APPENDICES

The Appendices herein contain supporting information. These Appendices contain highly detailed figures and other graphic information, which are difficult to translate for screen reading software; therefore, most of the Appendices have not been translated into an auditory format. Only the following appendices have been translated into an auditory format:

- Appendix E, Supplemental Visual Simulations
- Appendix N, Mitigation Monitoring, Compliance, and Reporting Program

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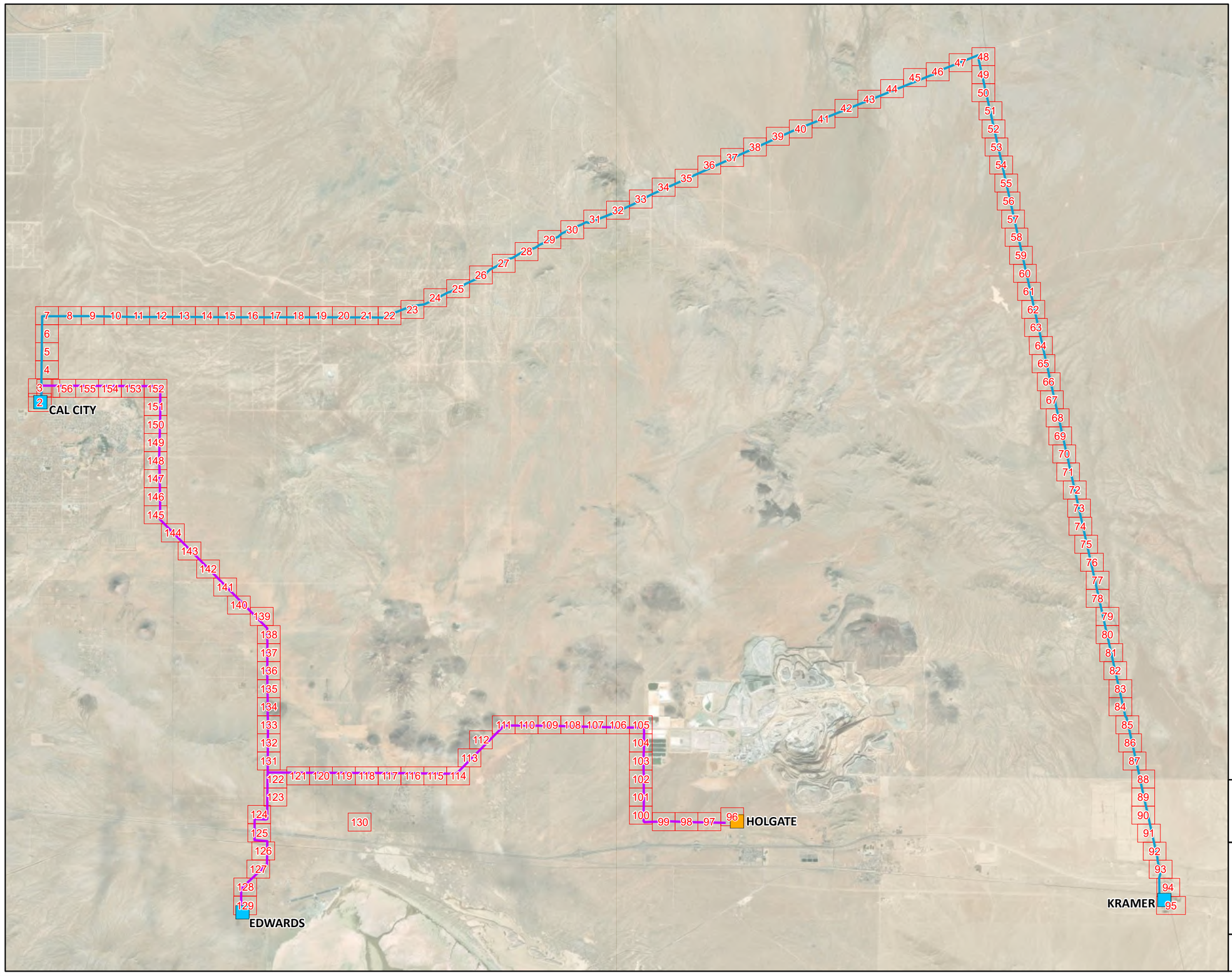
Mr. Boris Sanchez
California Public Utilities Commission
Infrastructure and Permitting, Energy Division
505 Van Ness Avenue
San Francisco, California 94102
Phone: (408) 705-6030
E-mail: Boris.Sanchez@cpuc.ca.gov

Appendix A
Project Map Book



Cal City Substation 115 kV Upgrade Project

Appendix A
Page 1 of 157

- Existing Switchyard
- Existing Substation
- Map Page

Proposed Project

- New Cal City-Edwards-Holgate 115 kV Subtransmission Line
- New Kramer-Cal City 115 kV Subtransmission Line

0 0.75 1.5 3 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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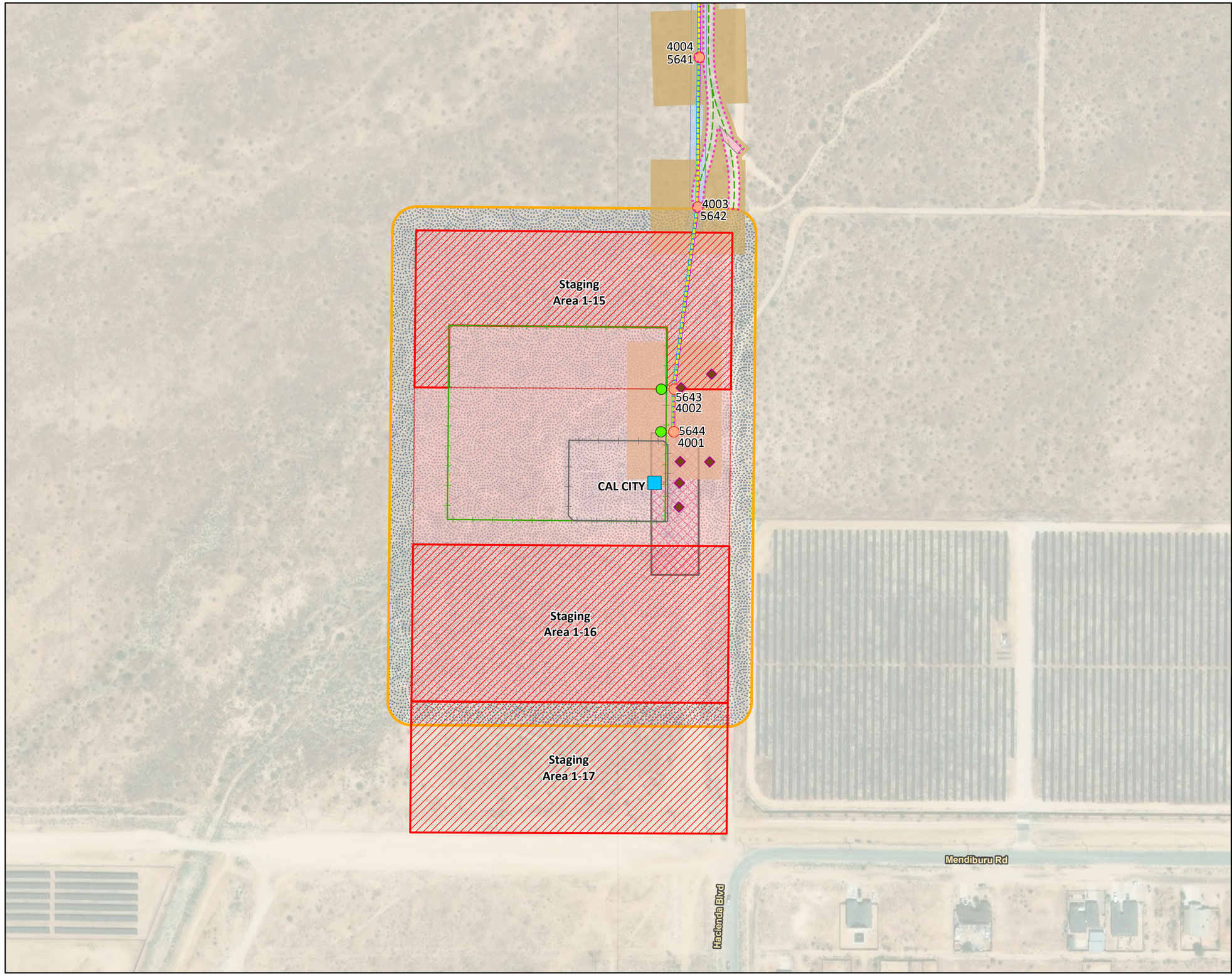

Existing Substation

Subtransmission Structures
New, TSP

Distribution Structures
Existing Wood Pole - Replace

Telecommunication Structure
New, Manhole

Telecommunication Alignment
New, Overhead

Subtransmission Alignment
New Cal City-Edwards-Holgate 115 kV Subtransmission Line
New Kramer-Cal City 115 kV Subtransmission Line

Substation Facility Area
Existing
New
Cal City Substation (Fee Owned) Property

Civil Mechanical Stabilization Area
Water Bar

Access Roads
*New Access Road

Construction Areas
General Disturbance Area
Pull Site
Staging Area

Grading Disturbance
Permanent
Temporary

ROW
Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

1:2,410

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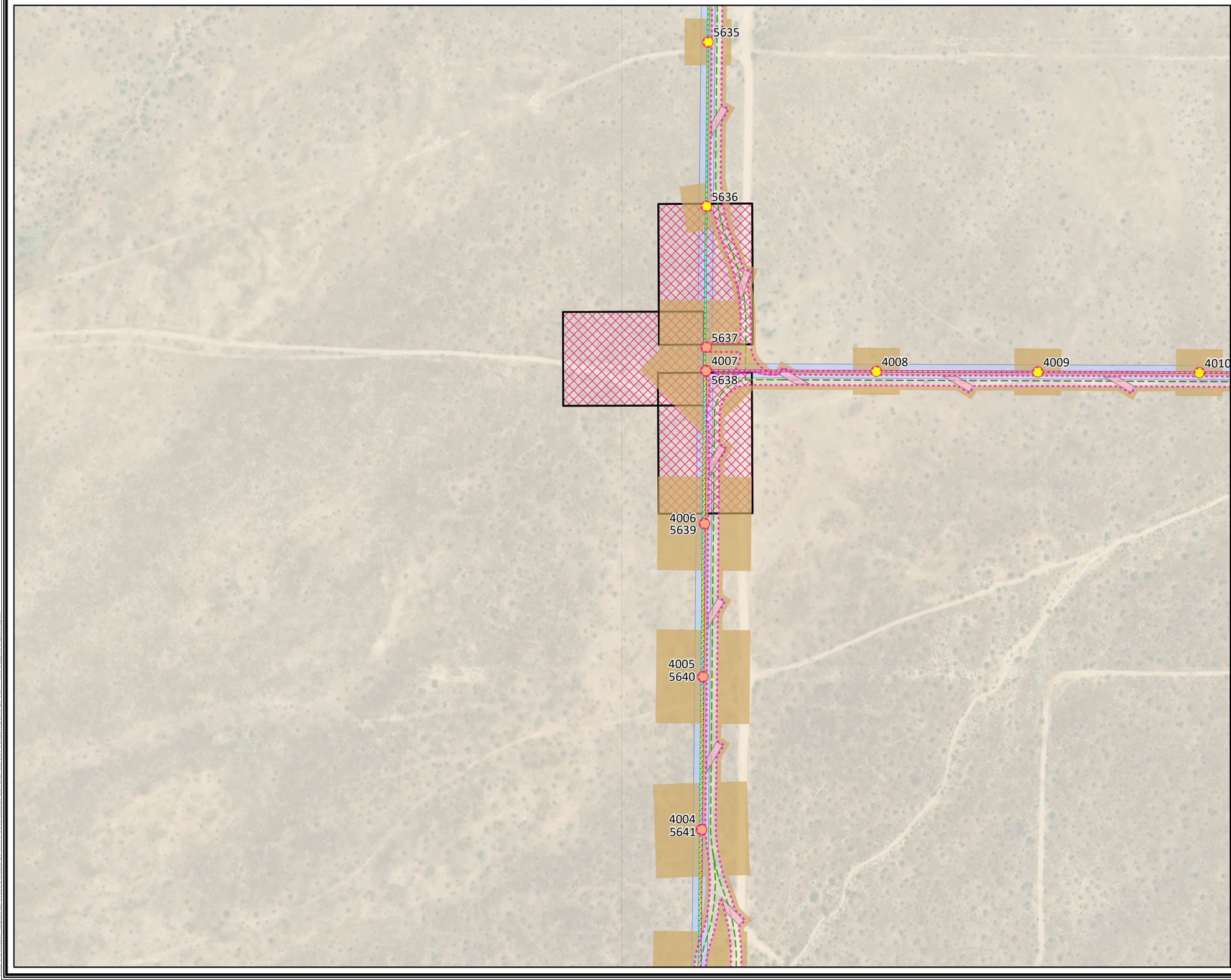
Cal City Substation 115 kV Upgrade Project

Appendix A
Page 3 of 157



Subtransmission Structures
- New, LWS
- New, TSP

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

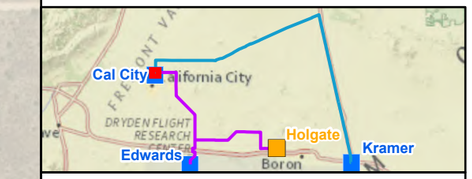
Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



0 0.01 0.03 0.05 Miles

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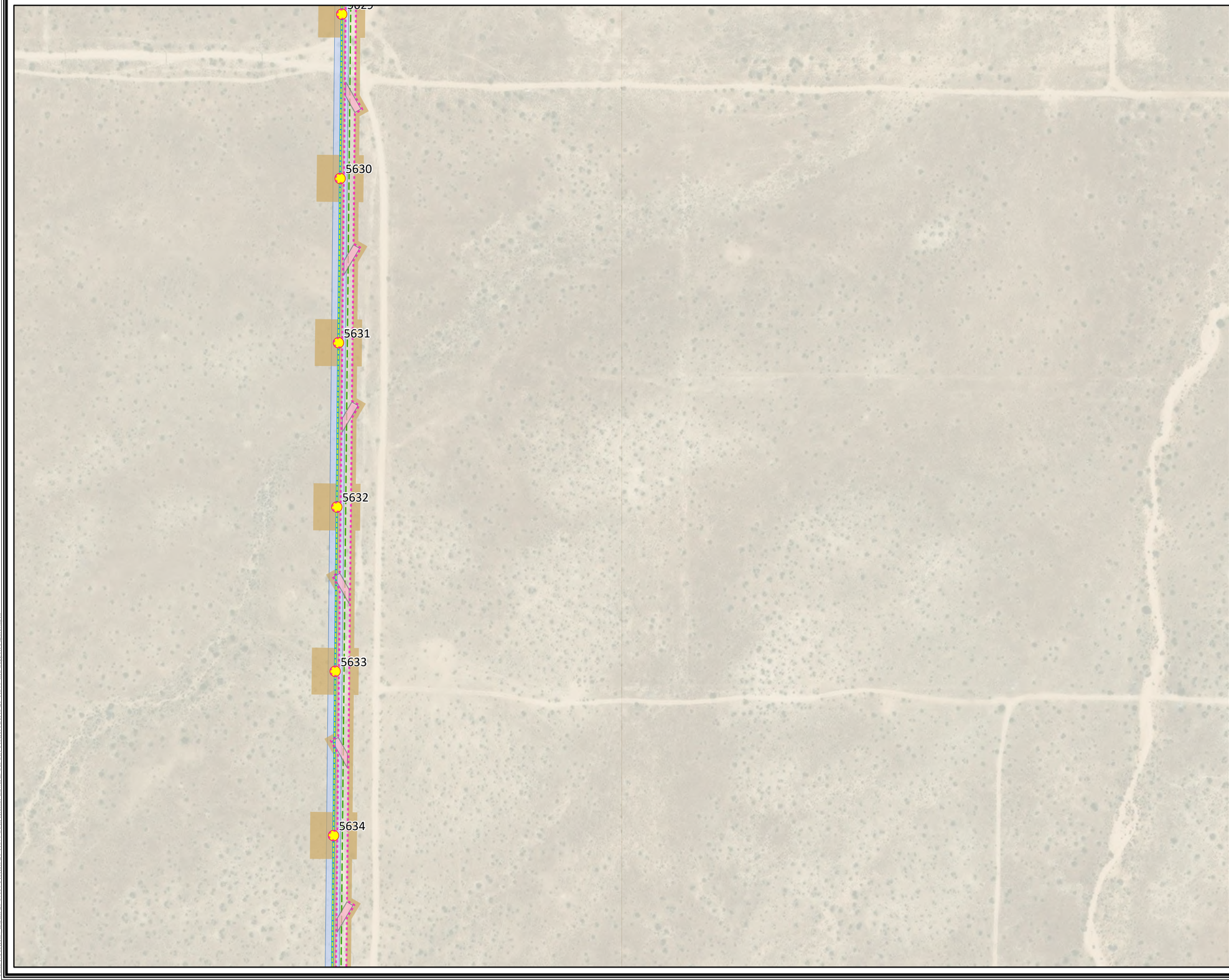

Cal City Substation 115 kV Upgrade Project

Appendix A
Page 4 of 157

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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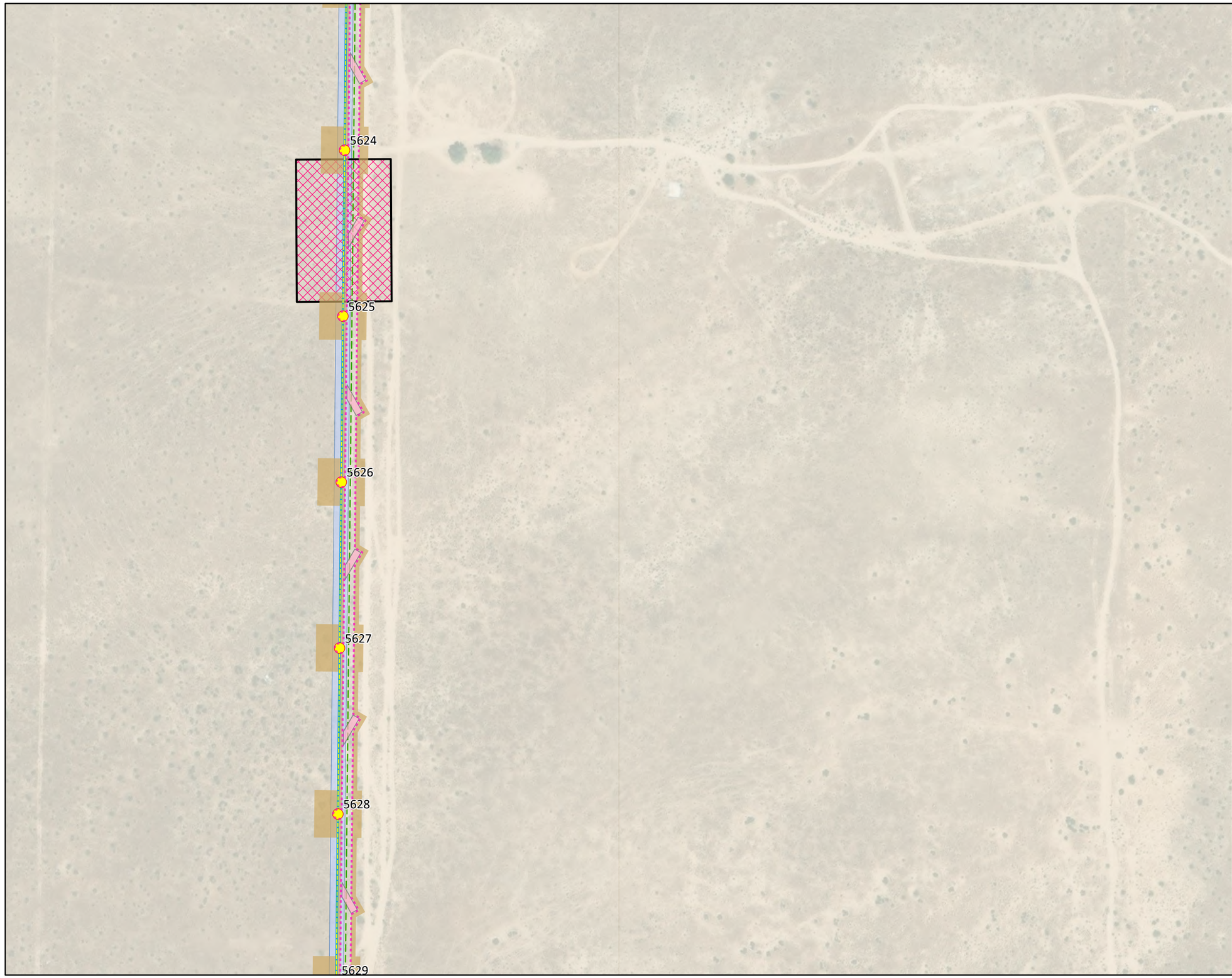


Cal City Substation 115 kV Upgrade Project

Appendix A
Page 5 of 157

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

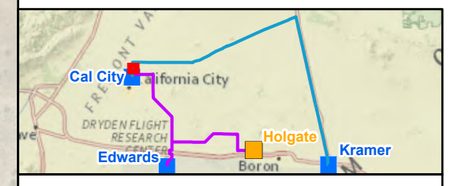
Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



0 0.01 0.03 0.05 Miles

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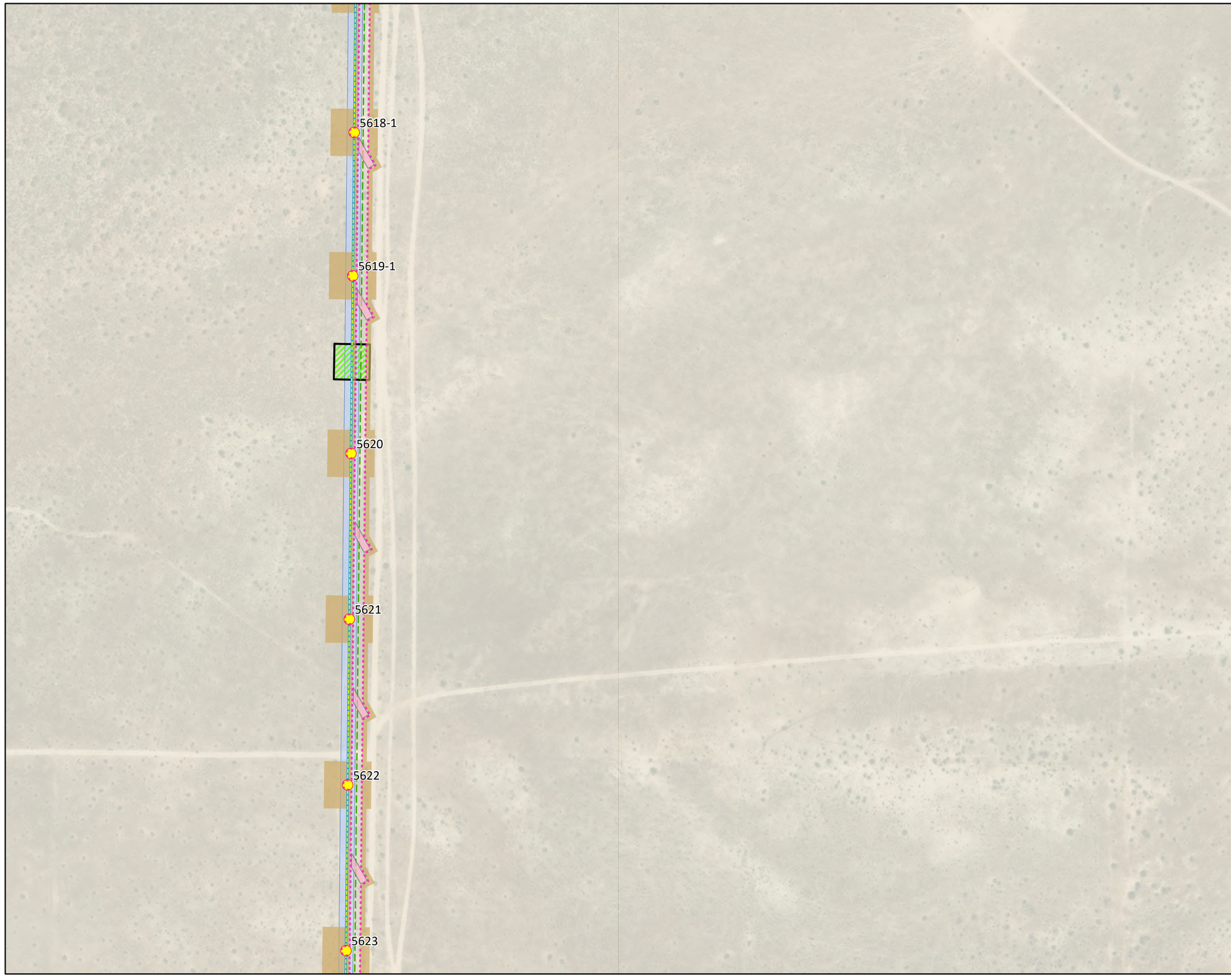

Cal City Substation 115 kV Upgrade Project

Appendix A
Page 6 of 157

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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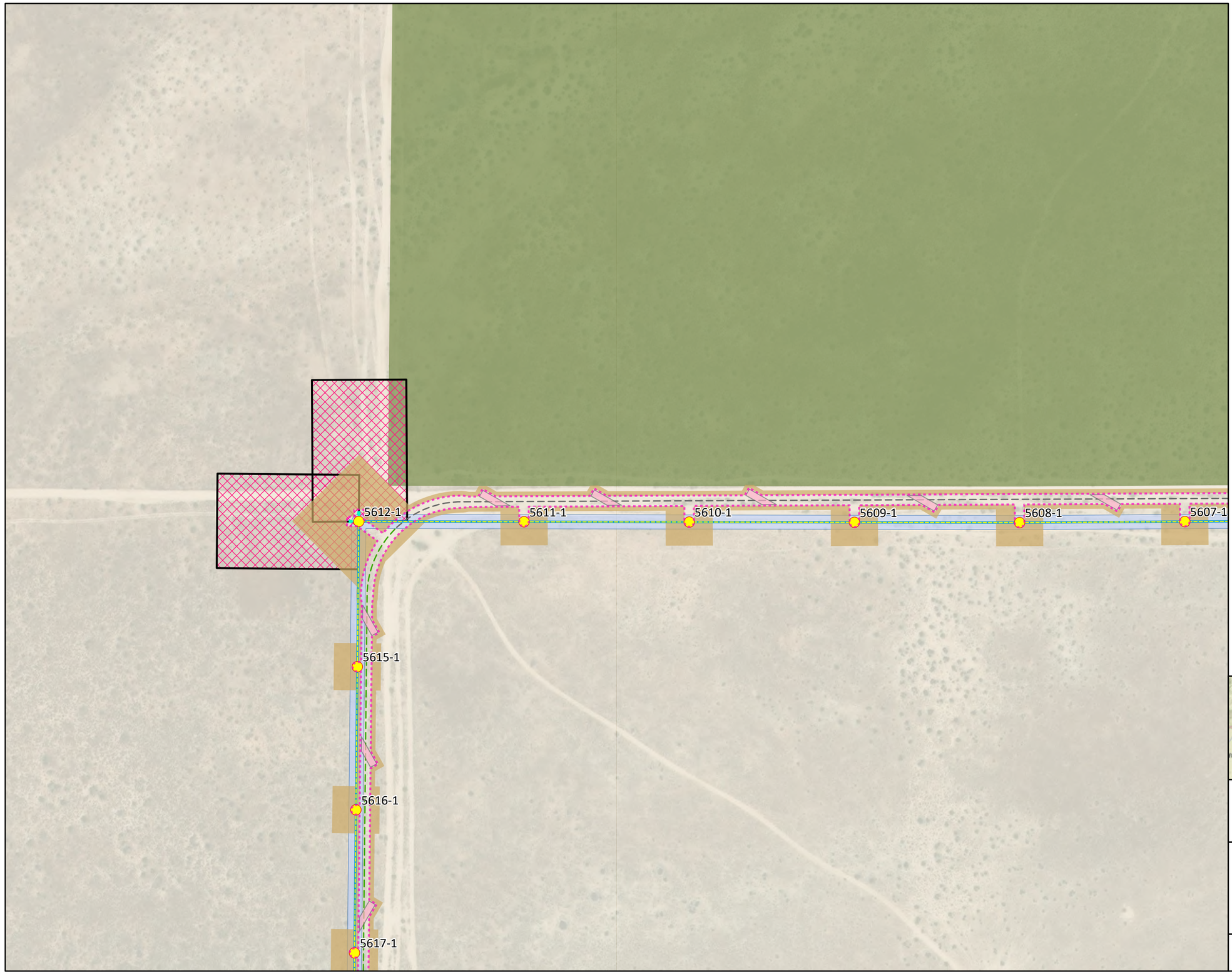

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- California Department of Fish and Wildlife

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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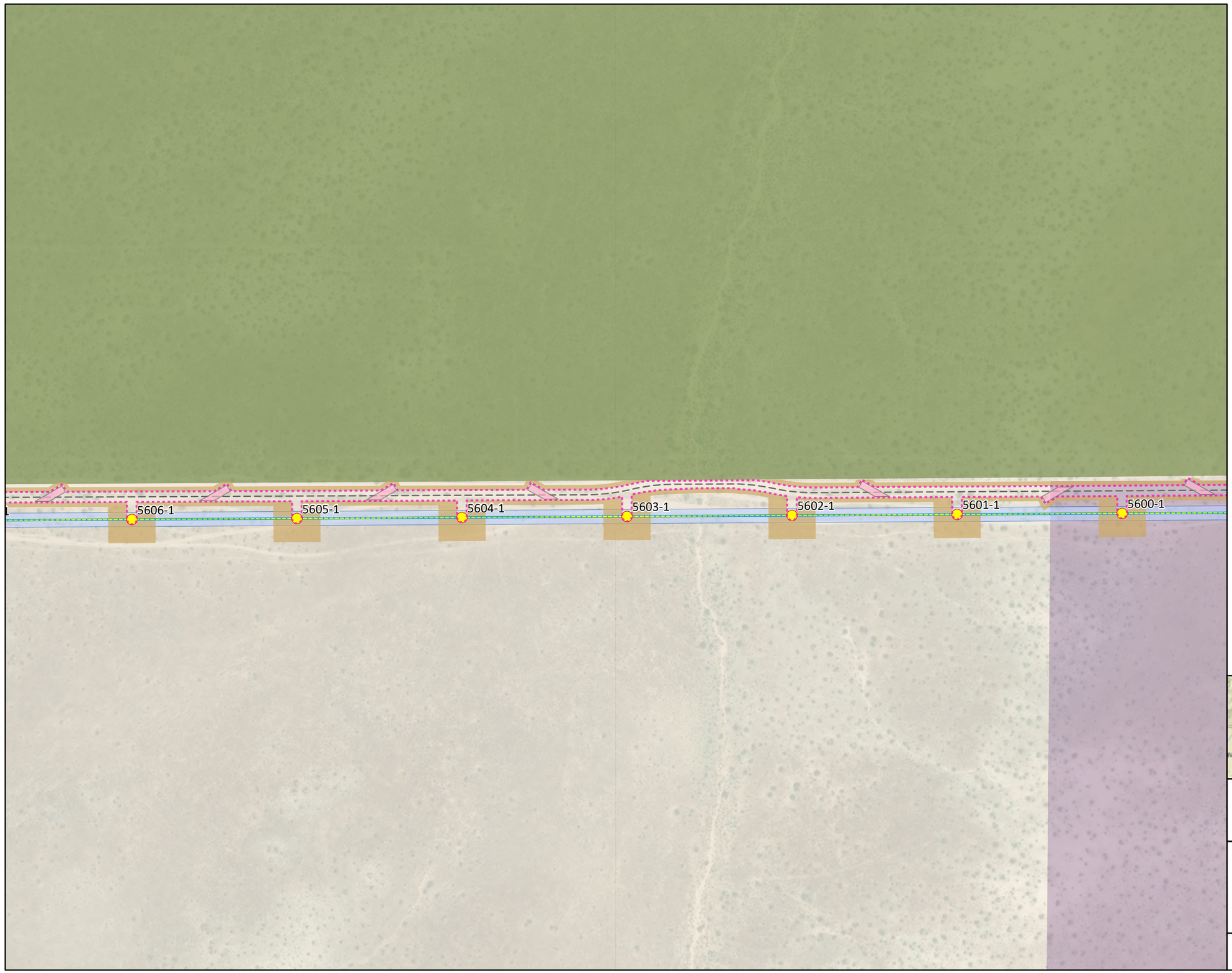


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

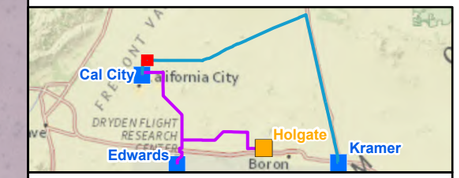
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management
- California Department of Fish and Wildlife



0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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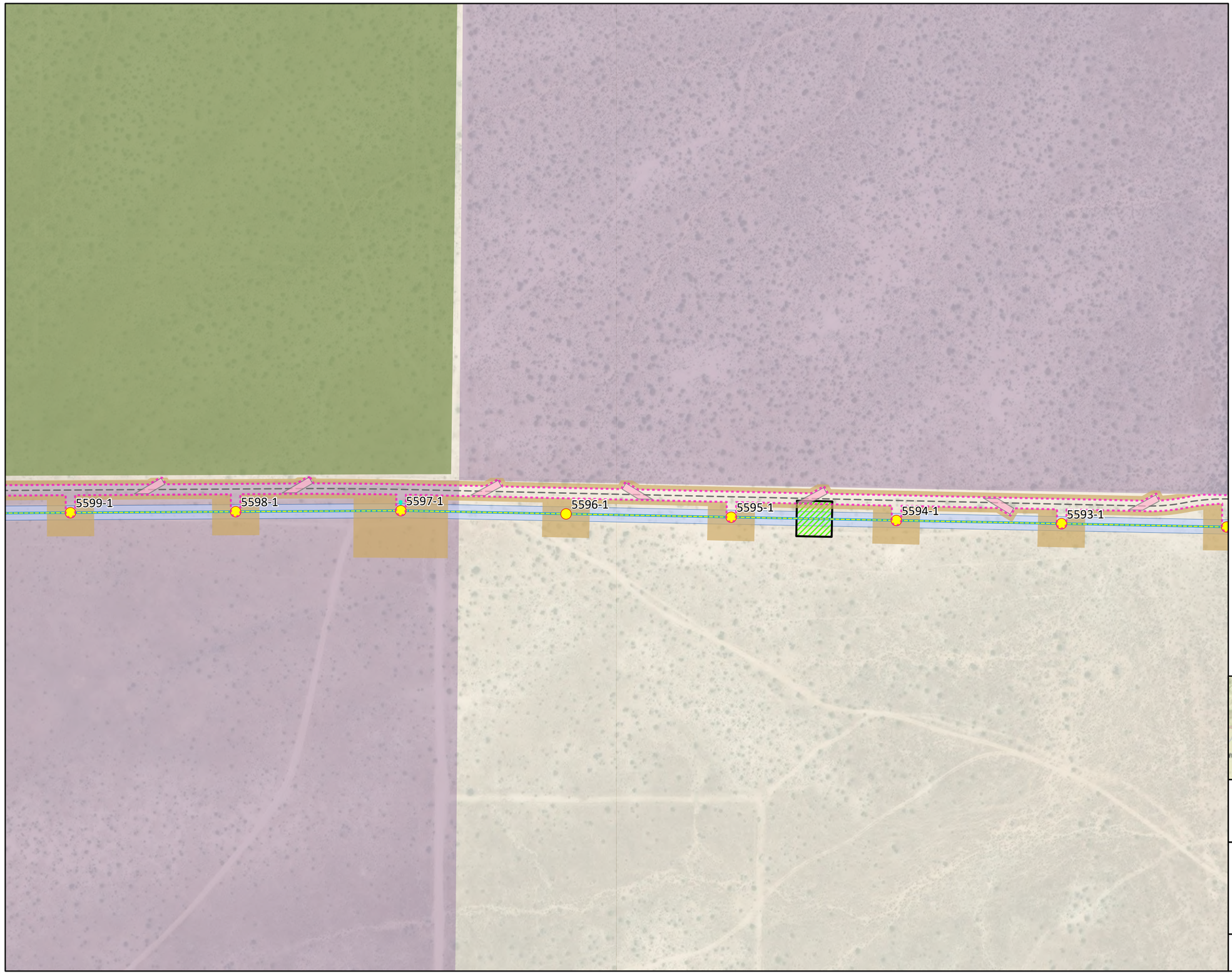

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management
- California Department of Fish and Wildlife

0 0.01 0.03 0.05 Miles

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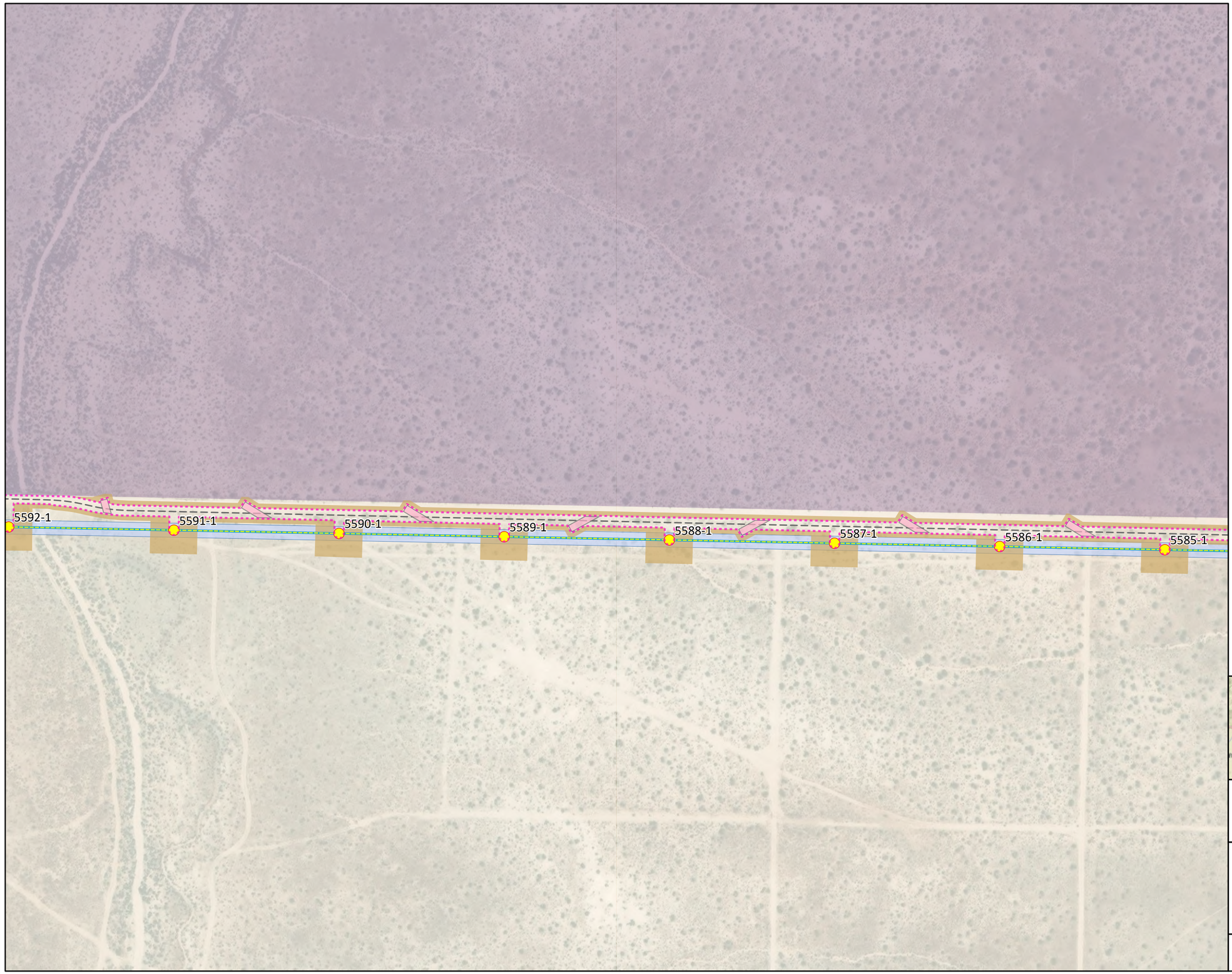
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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5583-1
5582-1
5581-1
5580-1
5579-1
5578-1

Subtransmission Structures
New, LWS

Telecommunication Alignment
New, Overhead

Subtransmission Alignment
New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
Guying Wire

Civil Mechanical Stabilization Area
Water Bar

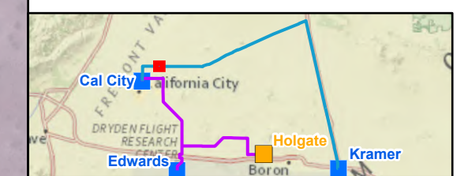
Access Roads
Existing Access Road

Construction Areas
Pull Site

Grading Disturbance
Permanent
Temporary

ROW
Proposed Project - 30 ft ROW

Land Ownership
Bureau of Land Management



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Cal City Substation 115 kV Upgrade Project

Appendix A
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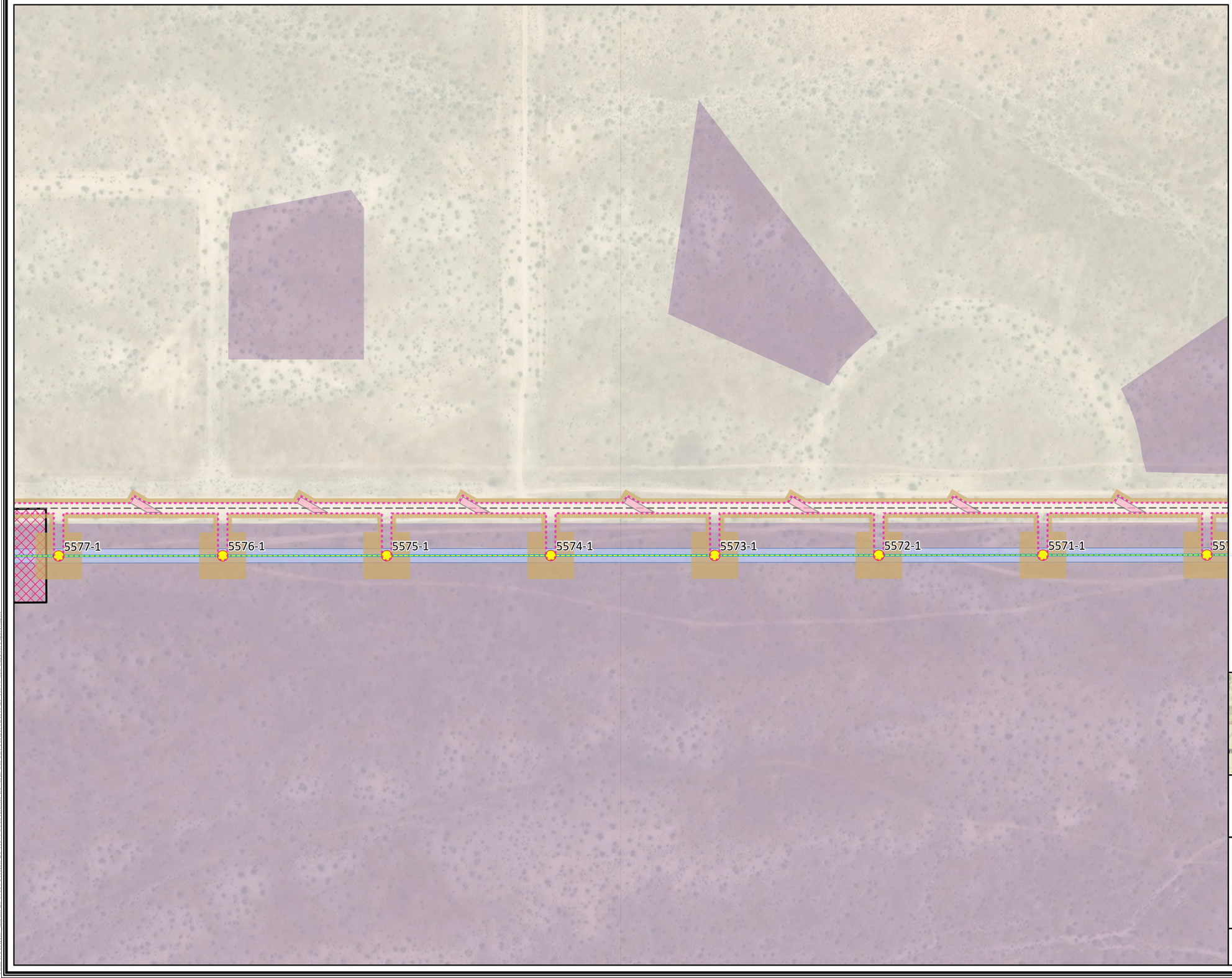

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

0 0.01 0.03 0.05 Miles

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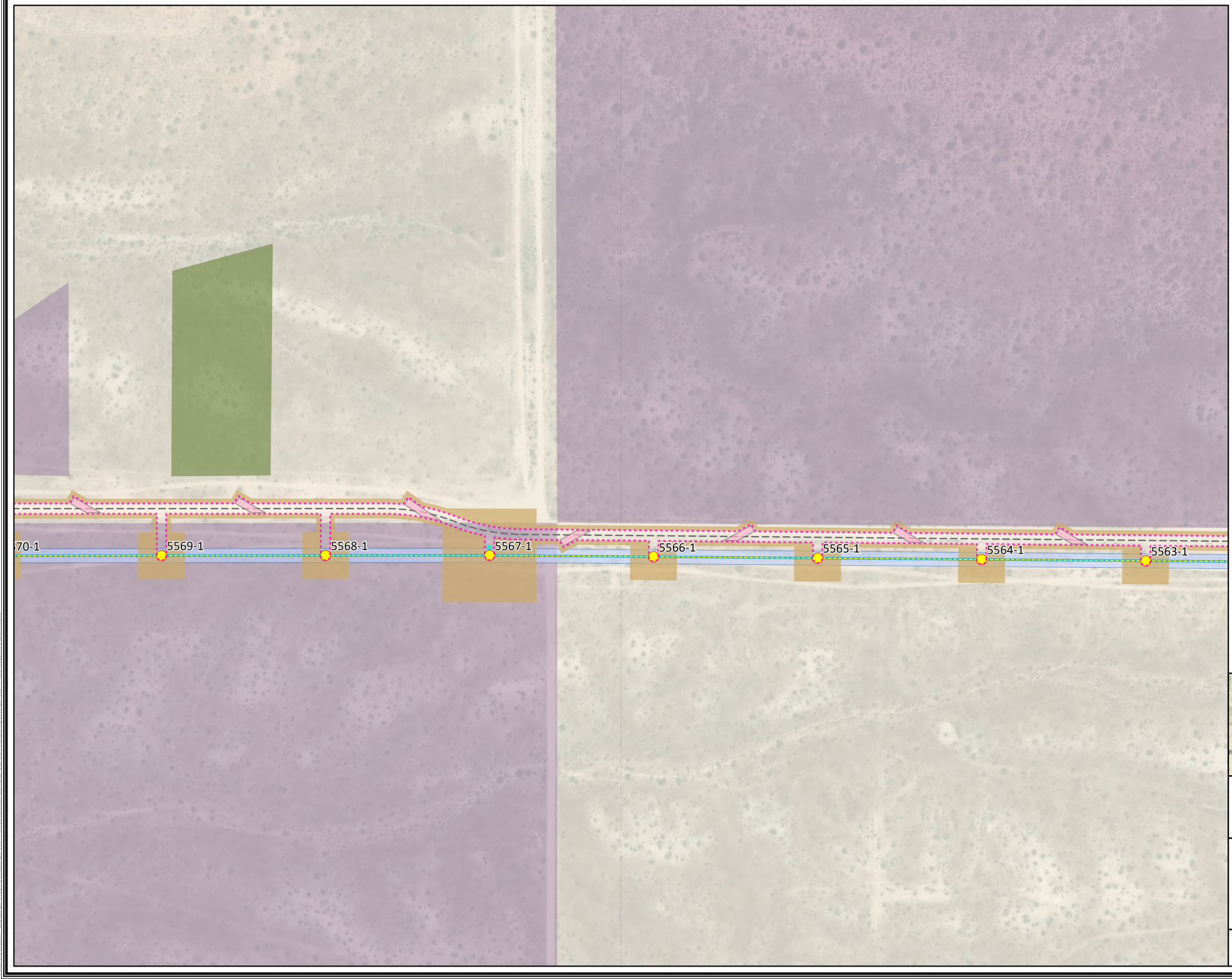

Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management
- California Department of Fish and Wildlife

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

5562-1 5561-1 5560-1 5559-1 5558-1 5557-1 5556-1

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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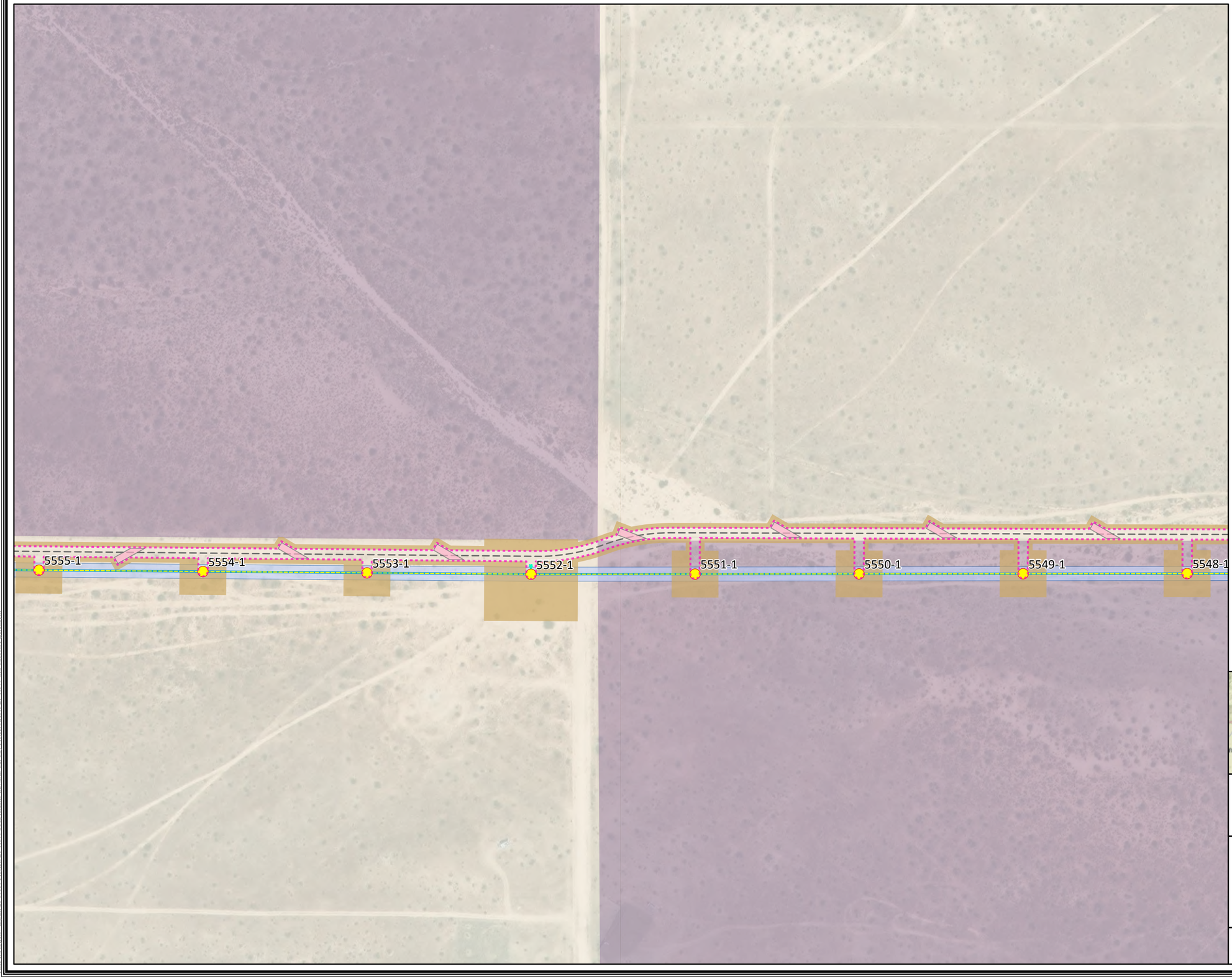

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

0 0.01 0.03 0.05 Miles

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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

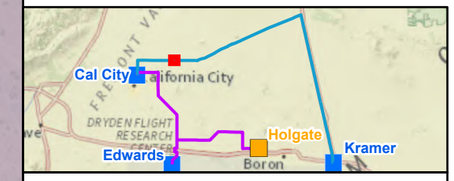
Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management



0 0.01 0.03 0.05
Miles

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Cal City Substation 115 kV Upgrade Project

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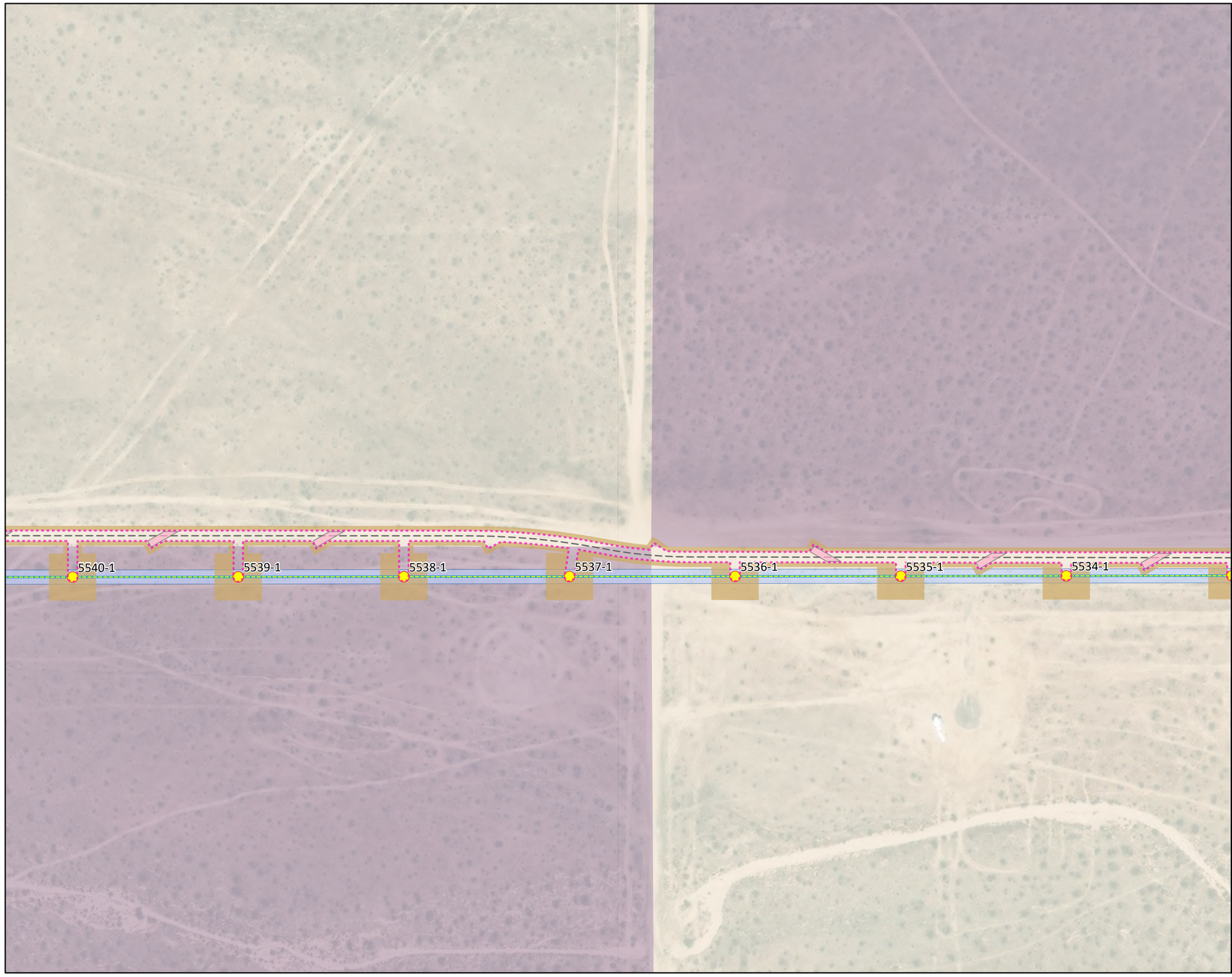

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

0 0.01 0.03 0.05 Miles

1:2,410

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World Imagery: Maxar

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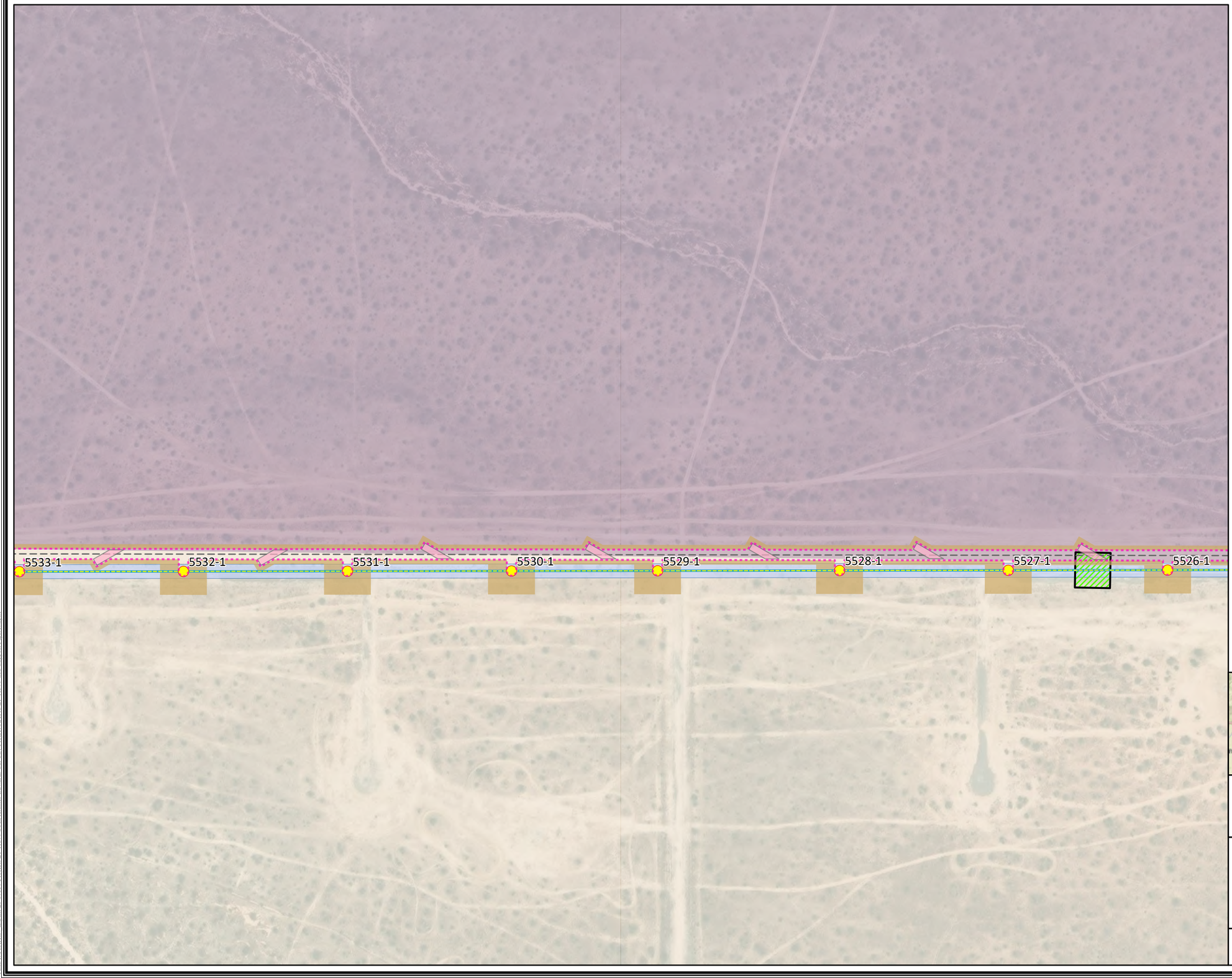
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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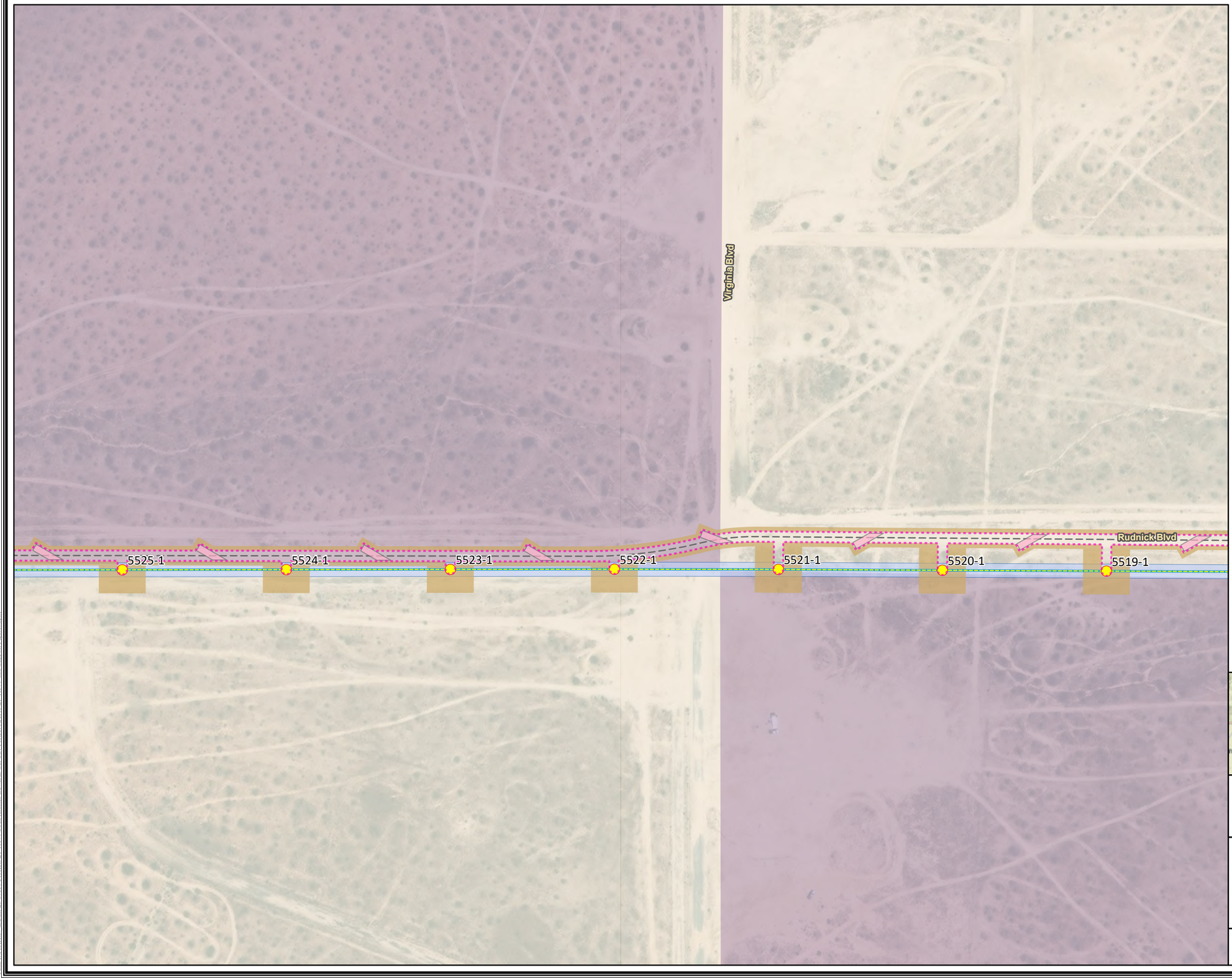

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

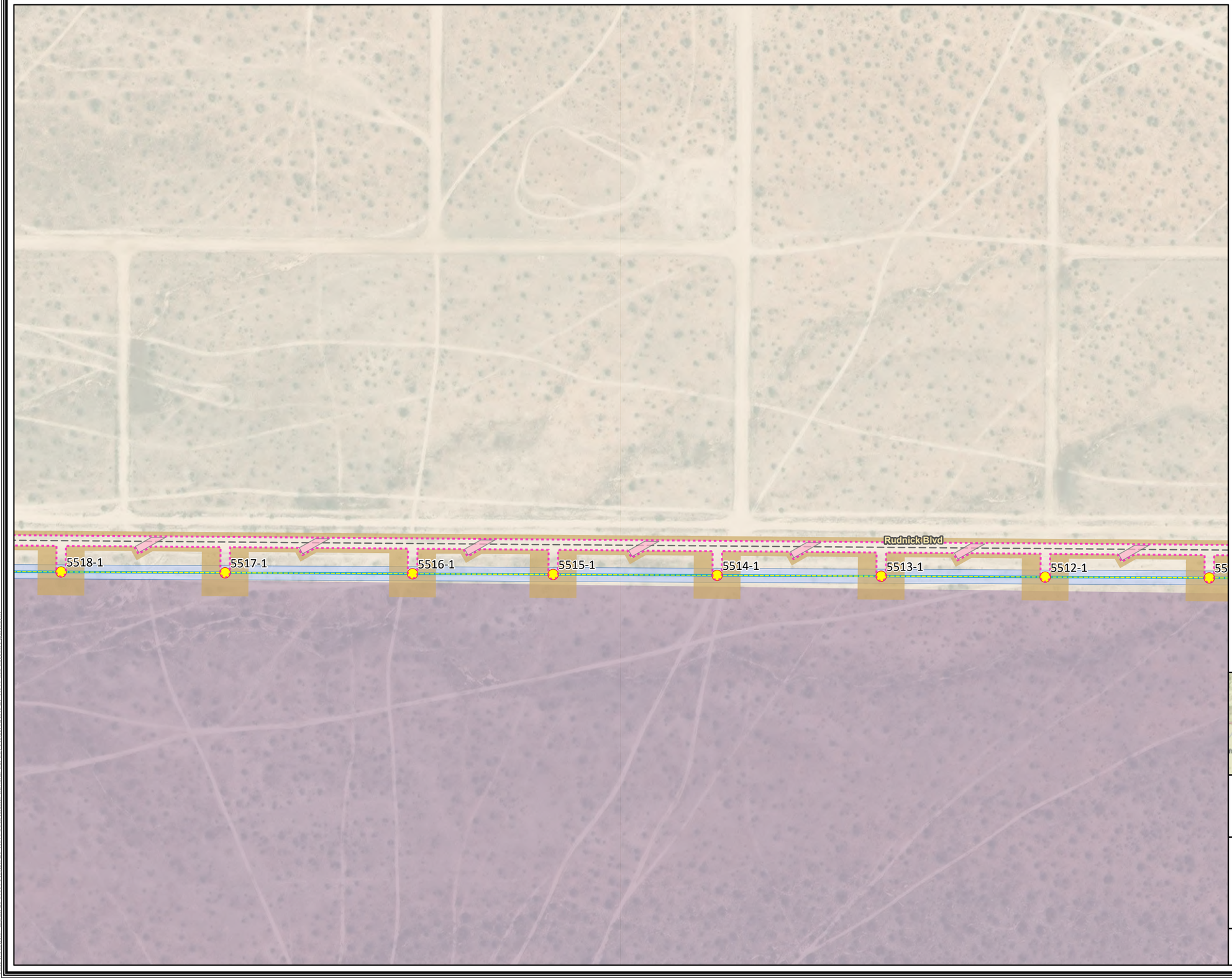
Civil Mechanical Stabilization Area
- Water Bar

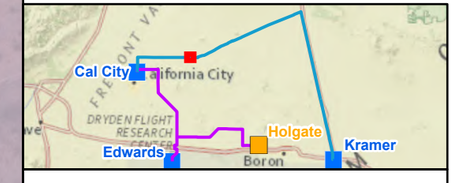
Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management





0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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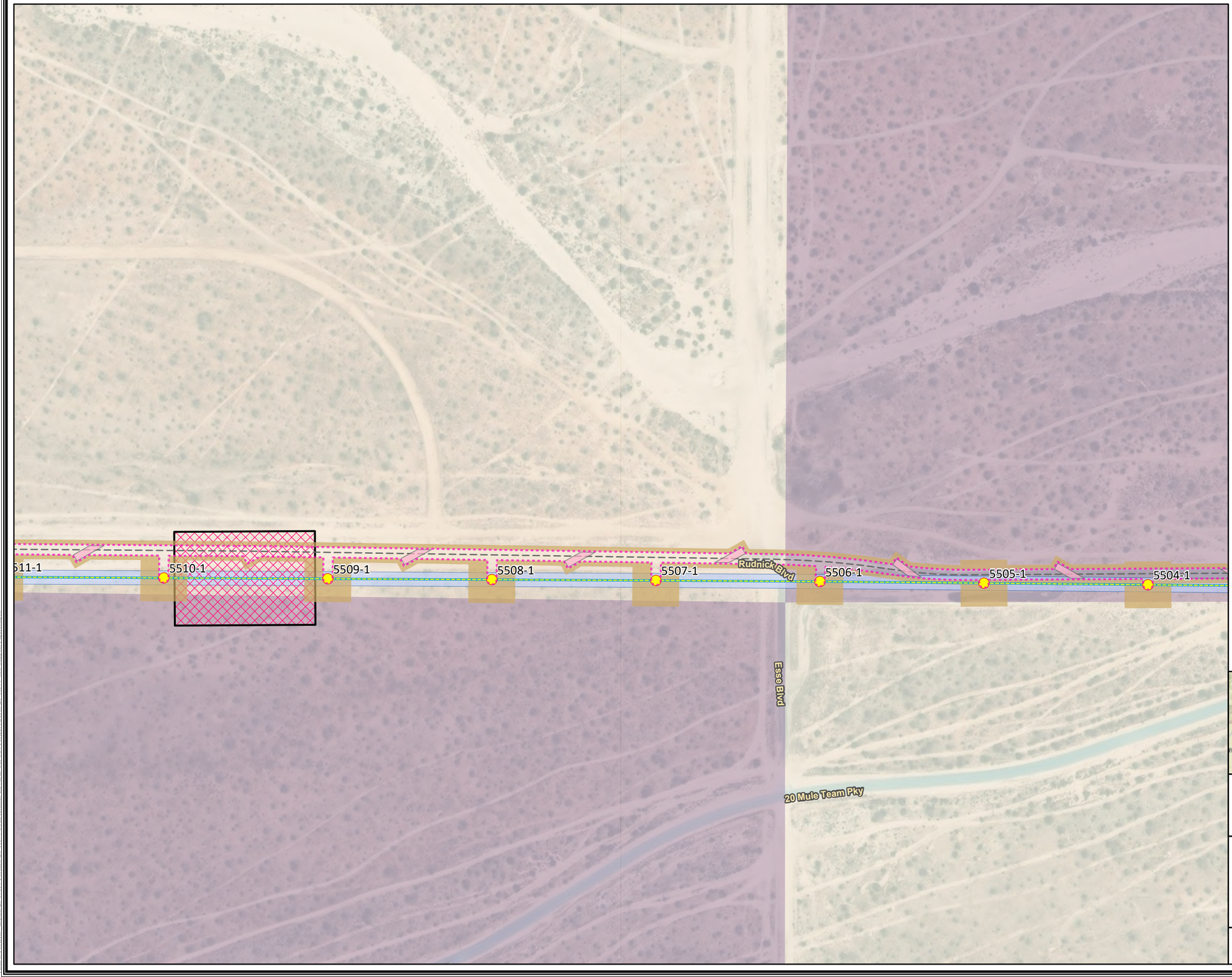

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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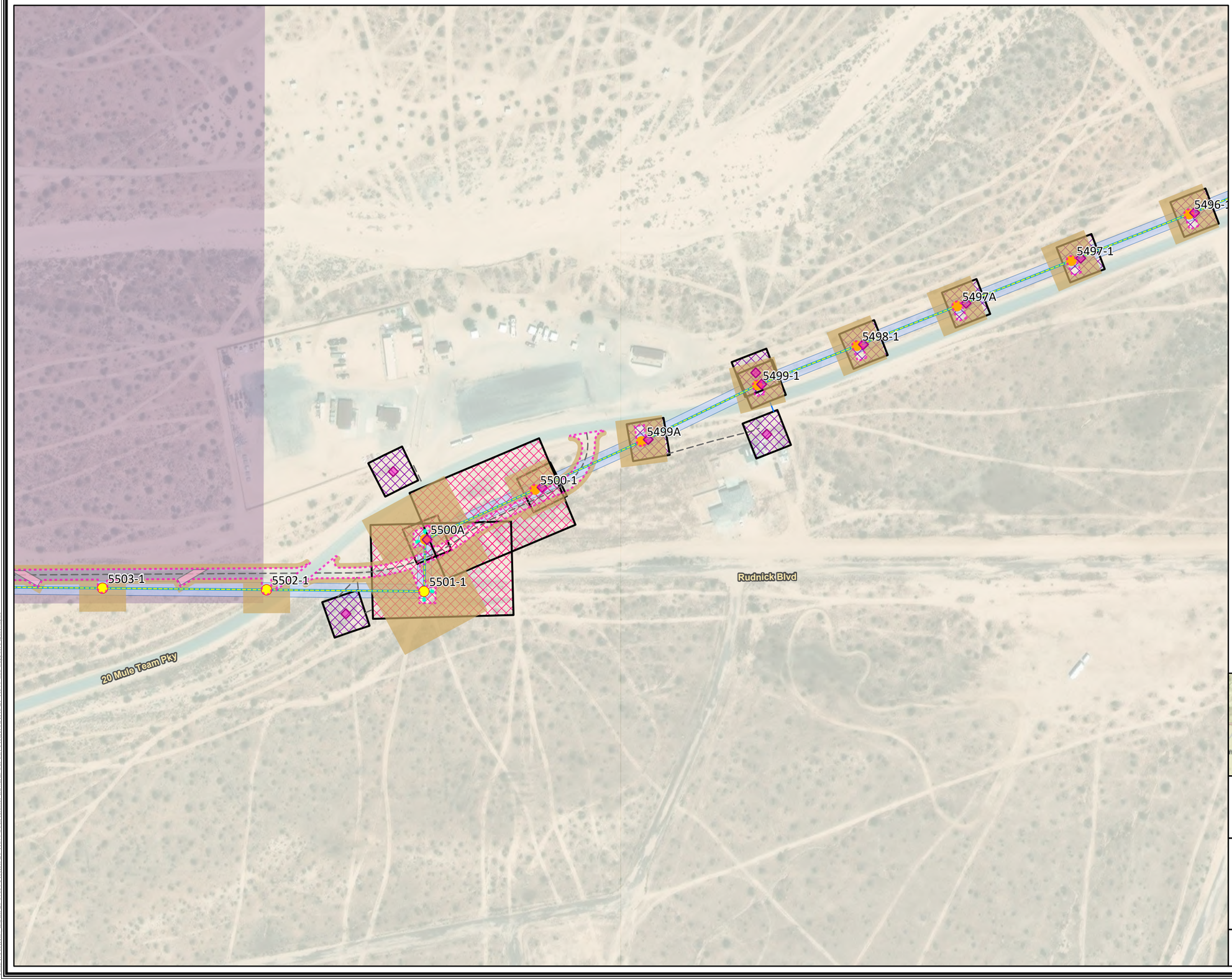


Subtransmission Structures
- New, LWS
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

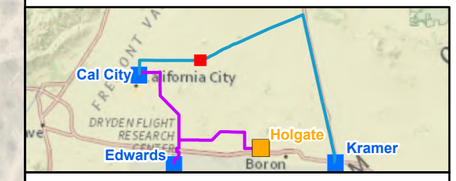
Access Roads
- Existing Access Road
- Overland Travel Path

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management



0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

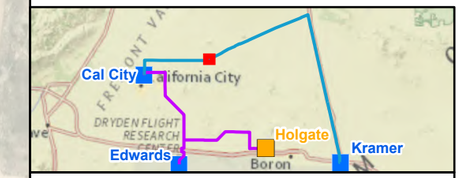
Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Construction Areas
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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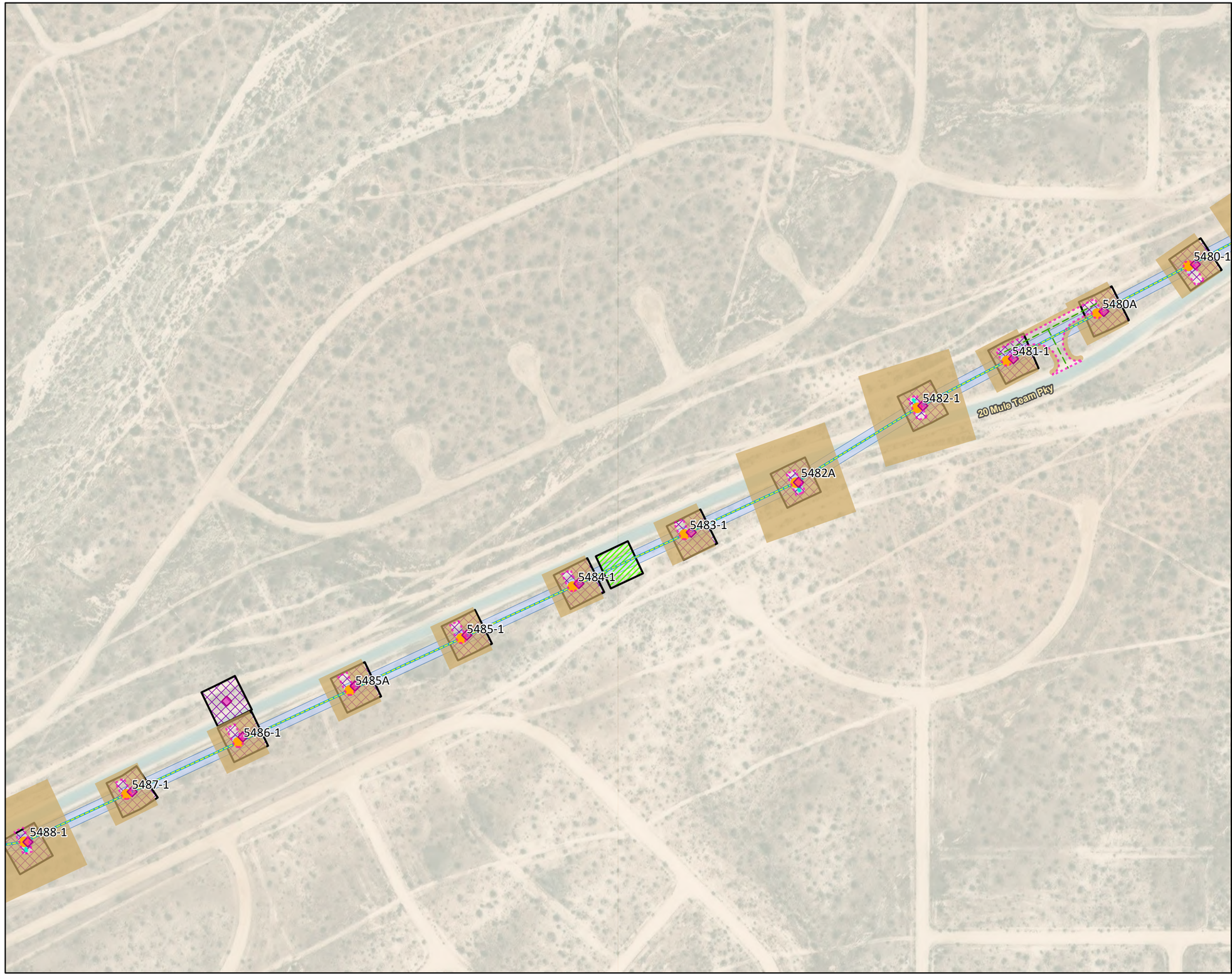

Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Access Roads
- *New Access Road

Construction Areas
- Splice Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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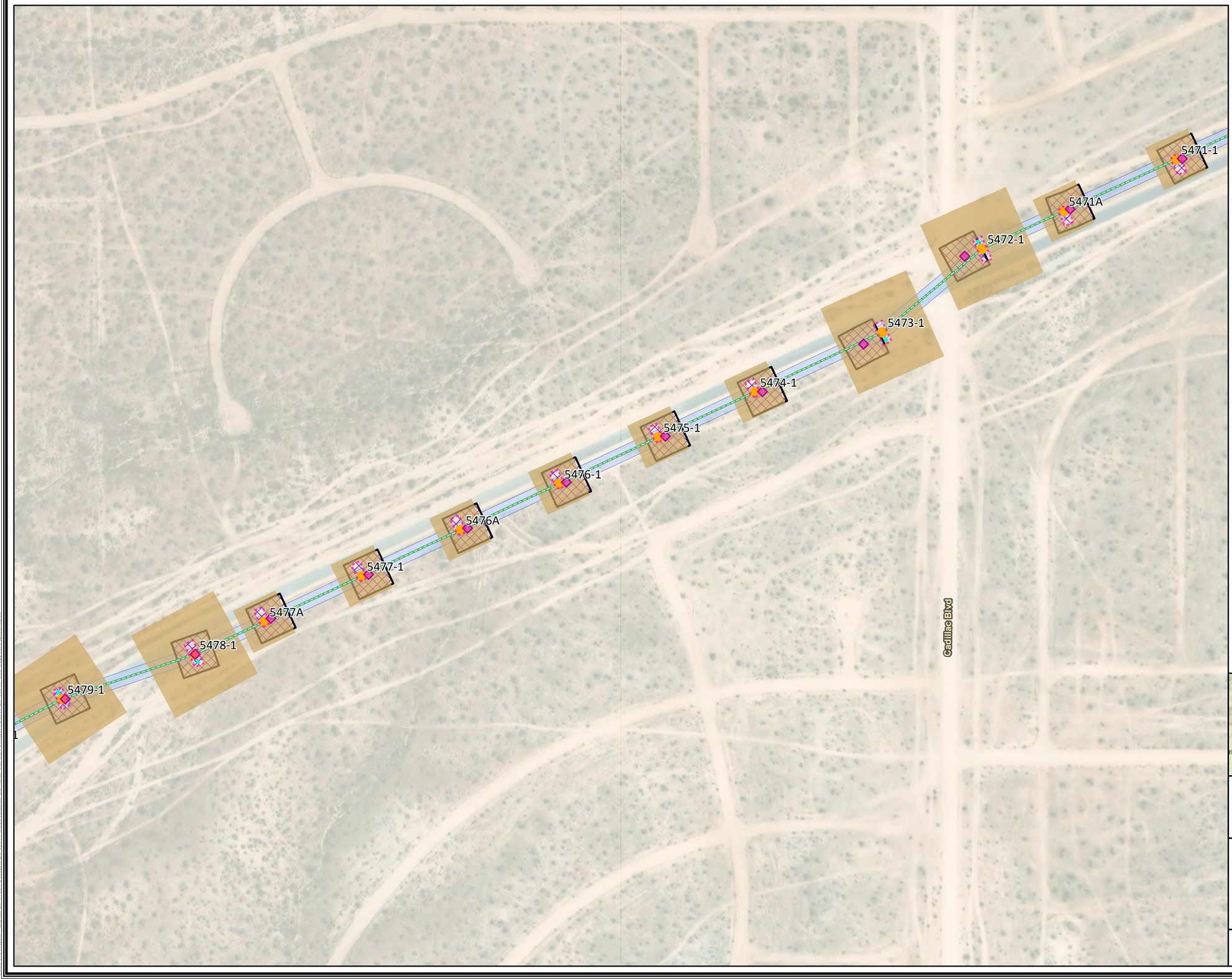


Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

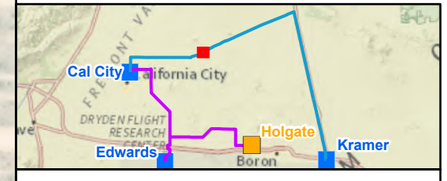
Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Construction Areas
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



0 0.01 0.03 0.05 Miles

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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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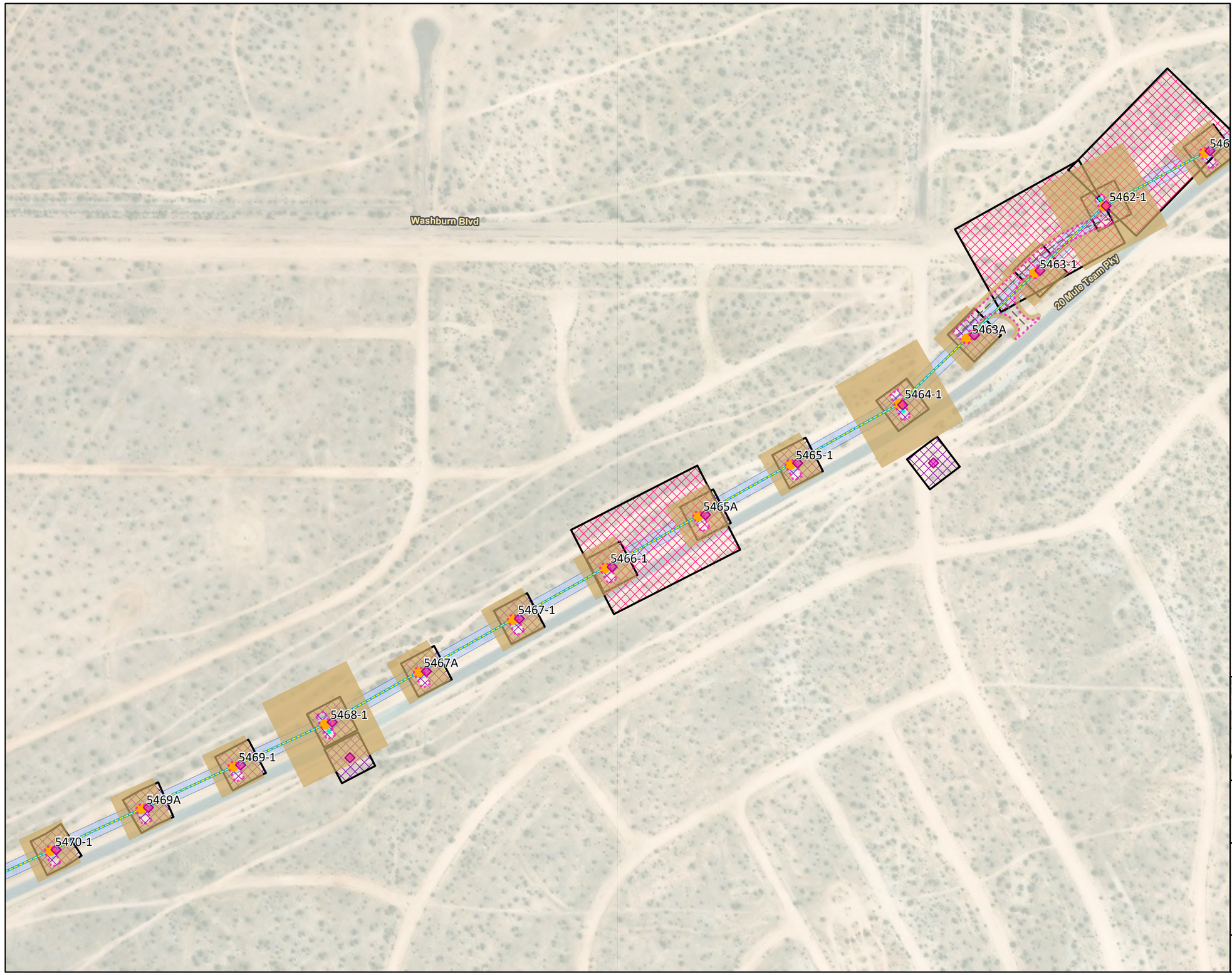


Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

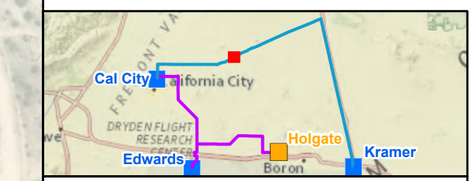
Guying Wire
- Guying Wire

Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



0 0.01 0.03 0.05 Miles

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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

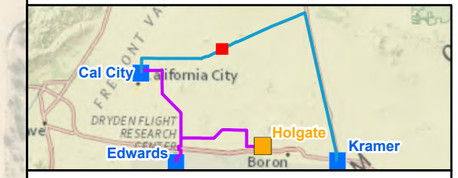
Guying Wire
- Guying Wire

Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



0 0.01 0.03 0.05 Miles

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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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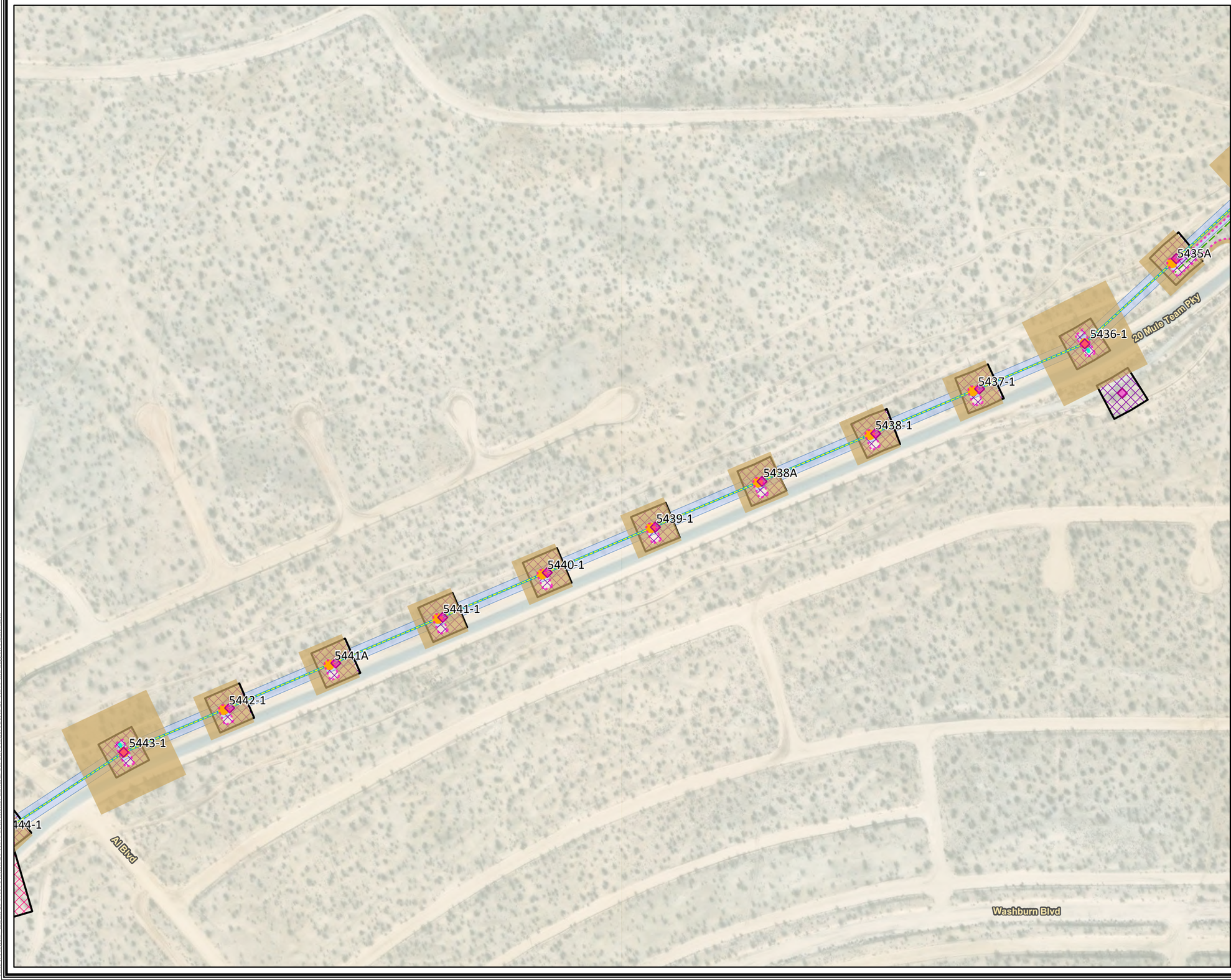

Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Access Roads
- *New Access Road

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Access Roads
- *New Access Road
- Existing Access Road
- Overland Travel Path

Construction Areas
- Guard Structure Site
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

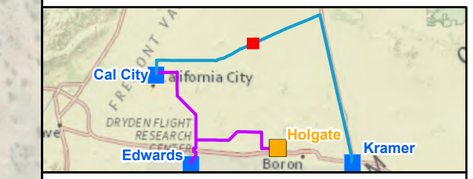
Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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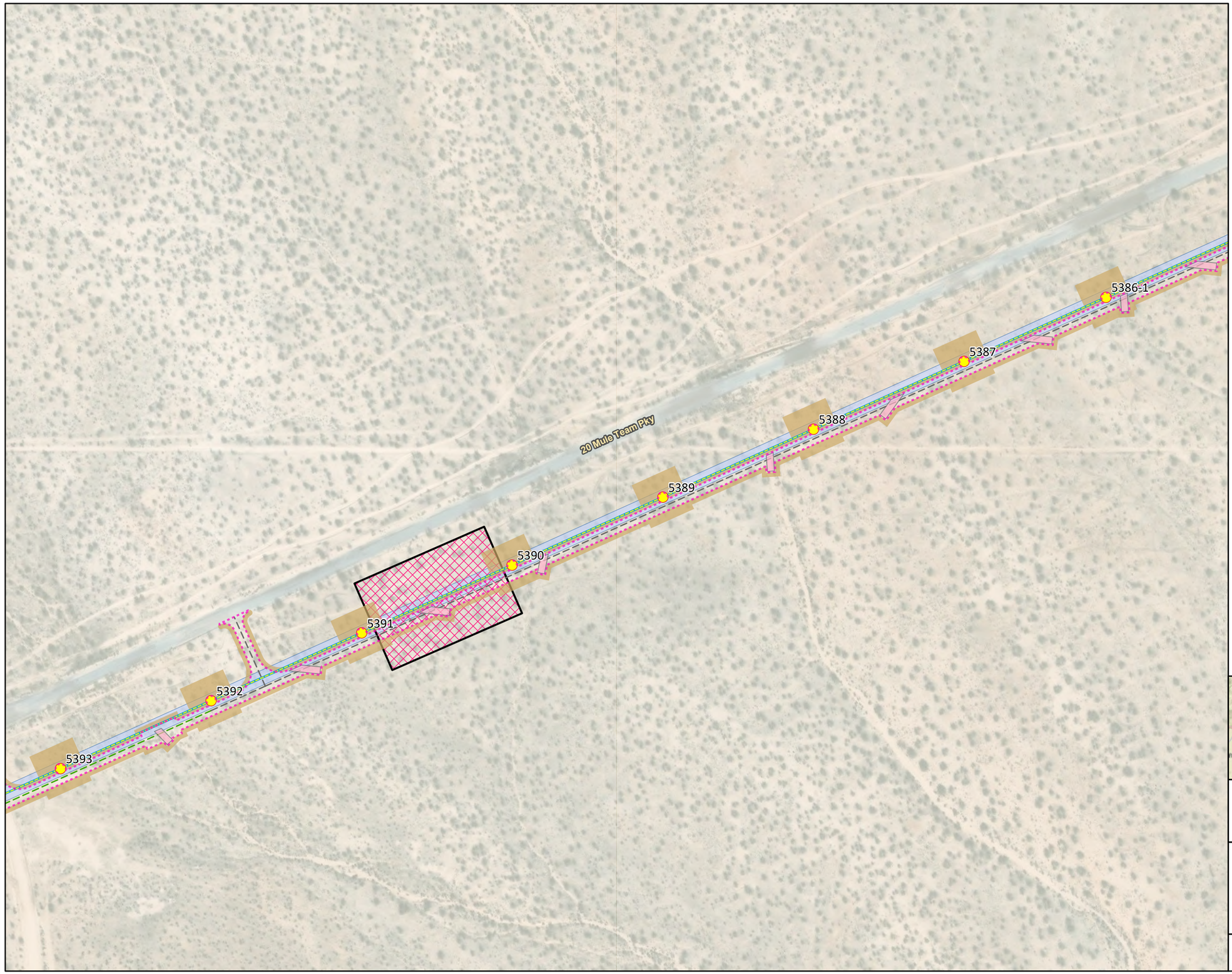


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

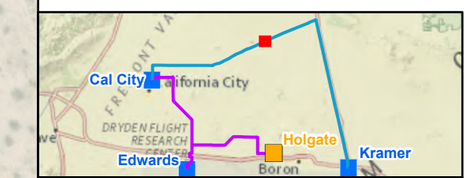
Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

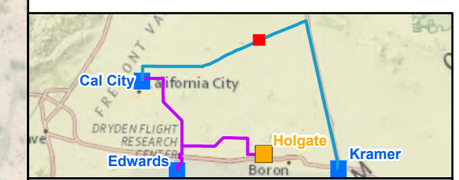
Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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Cal City Substation 115 kV Upgrade Project

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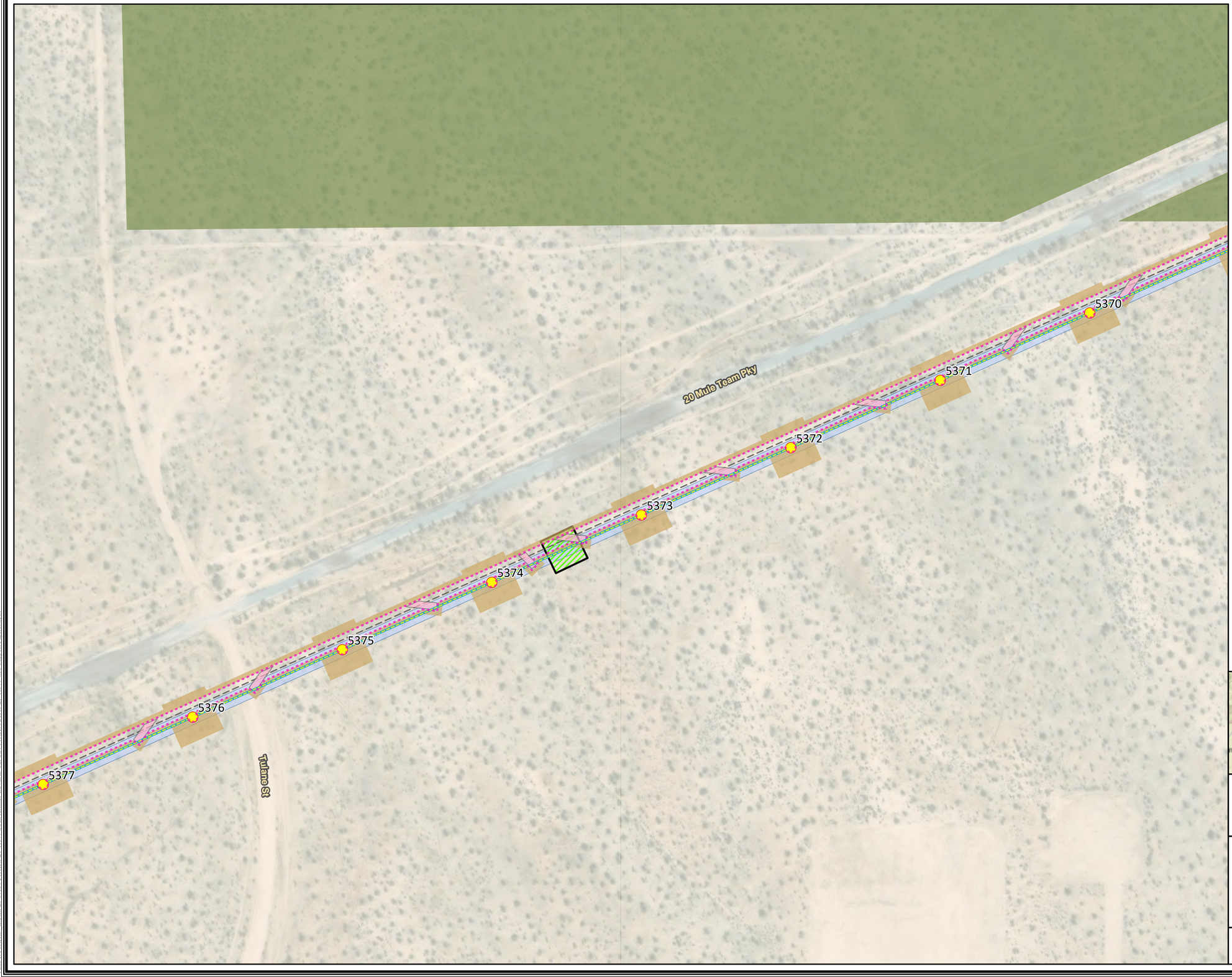


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

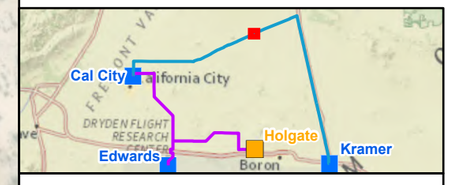
Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- California Department of Fish and Wildlife



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Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

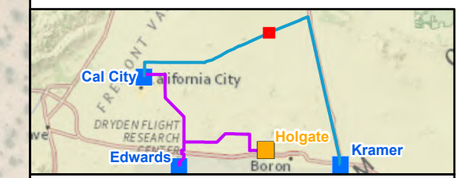
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- California Department of Fish and Wildlife



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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

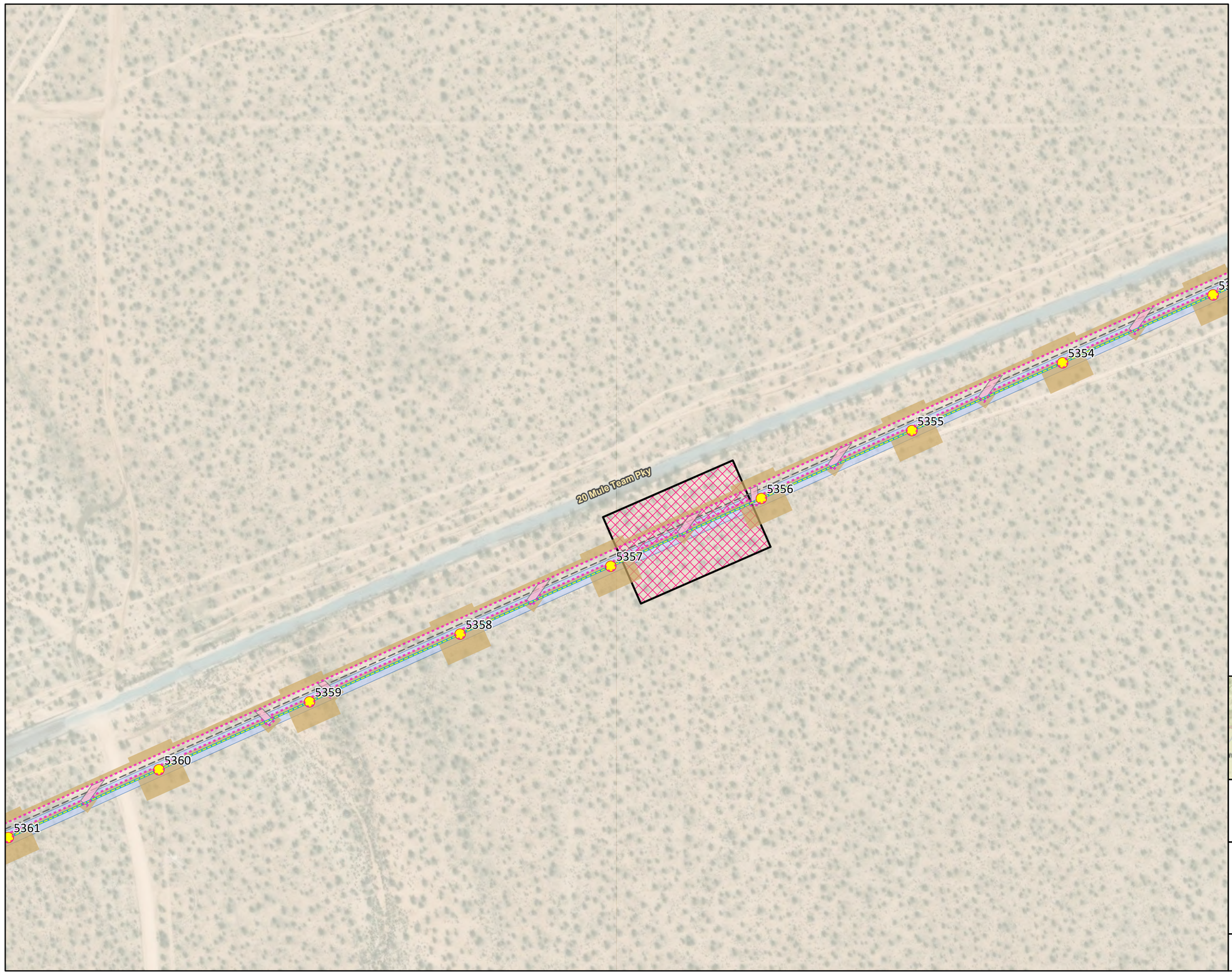
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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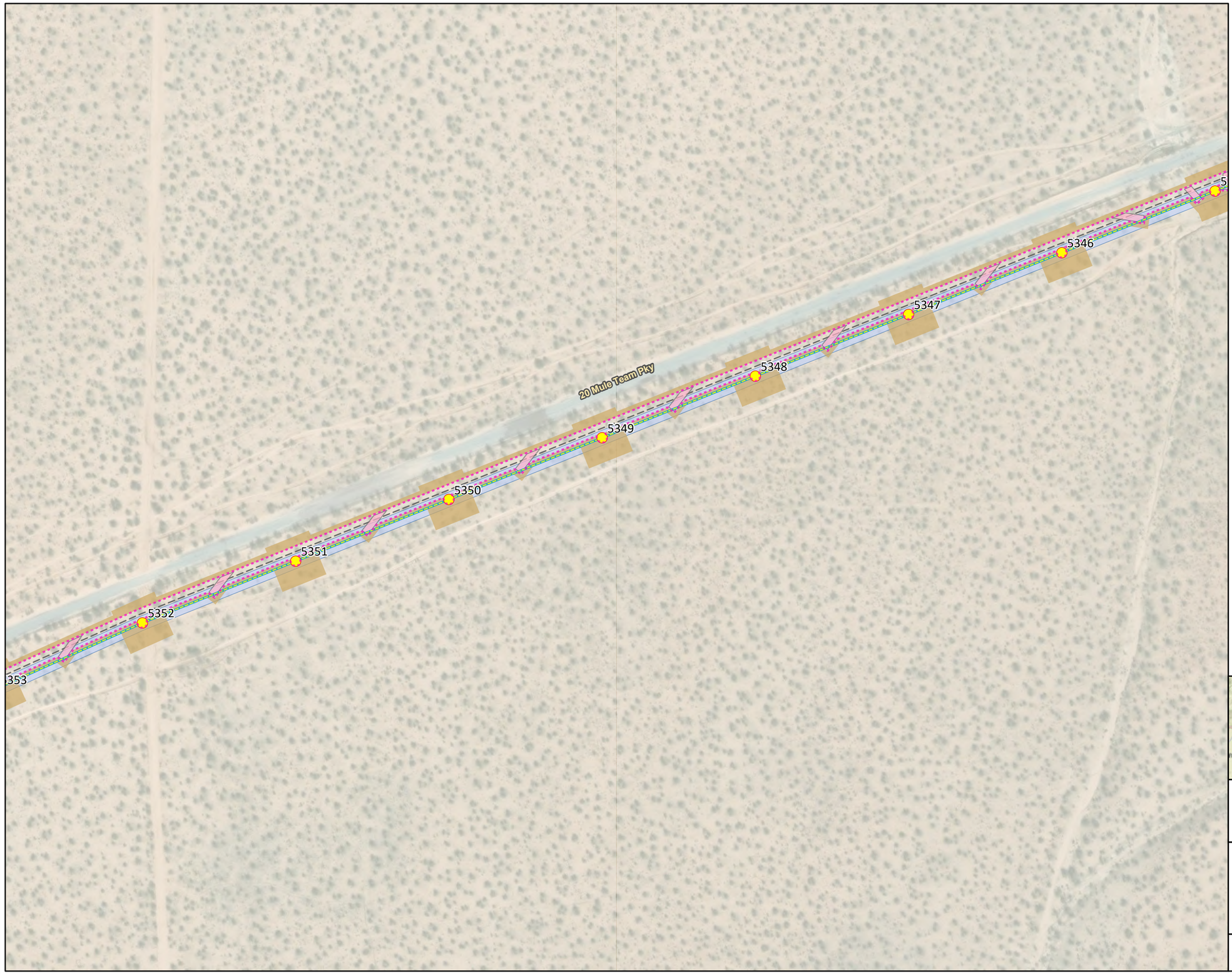
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

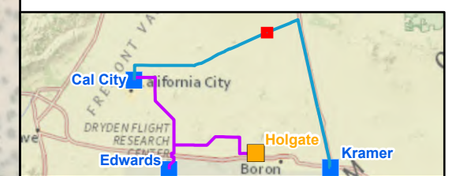
Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

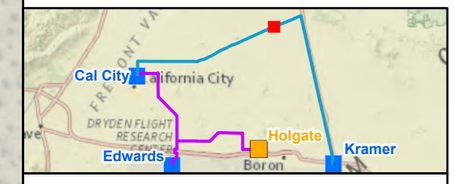
Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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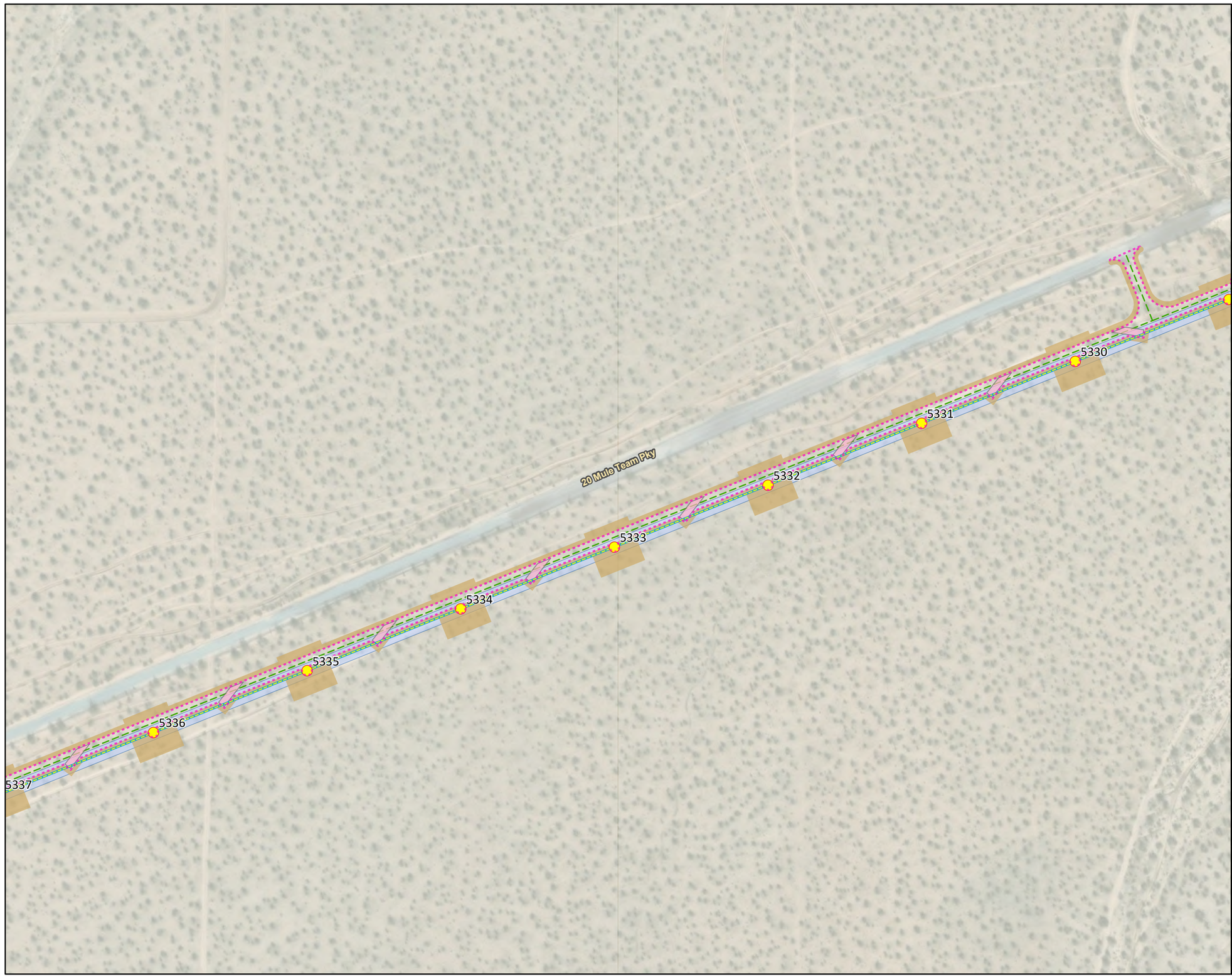

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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World Imagery: Maxar

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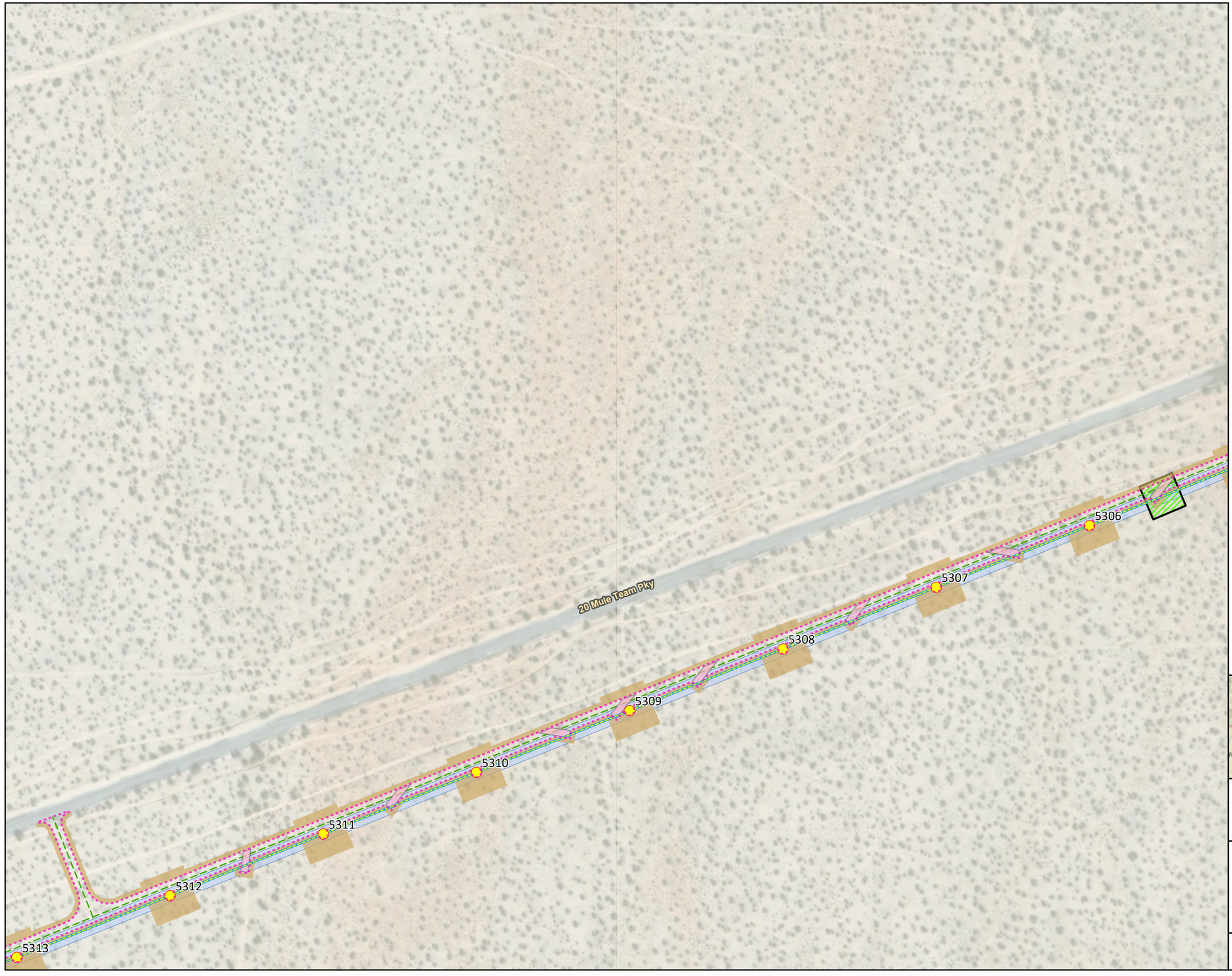
Cal City Substation 115 kV Upgrade Project

Appendix A
Page 45 of 157



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

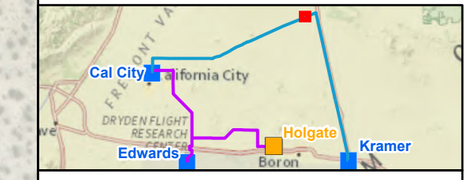
Access Roads
- *New Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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World Imagery: Maxar

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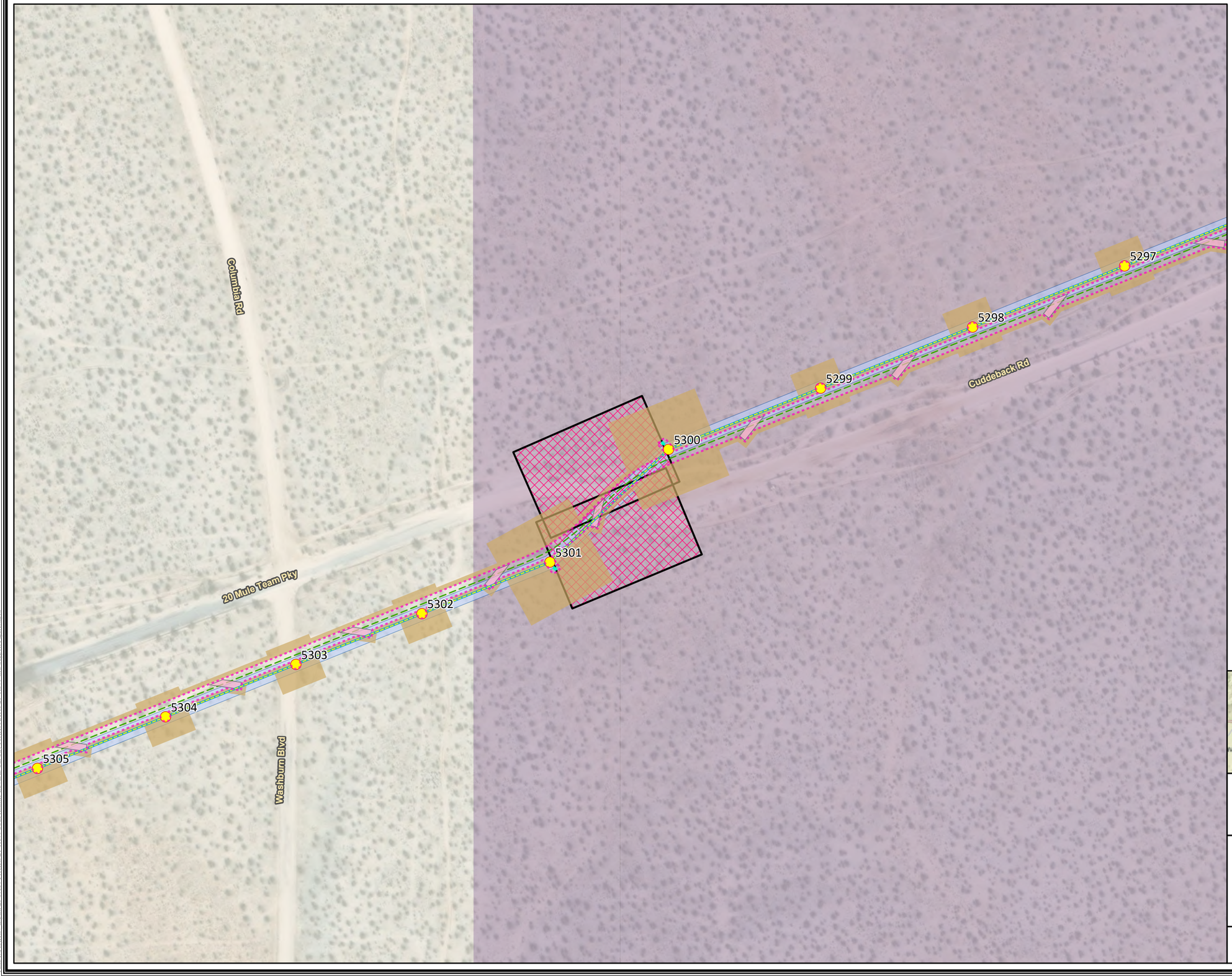
Cal City Substation 115 kV Upgrade Project

Appendix A
Page 46 of 157



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

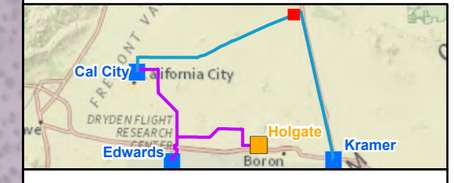
Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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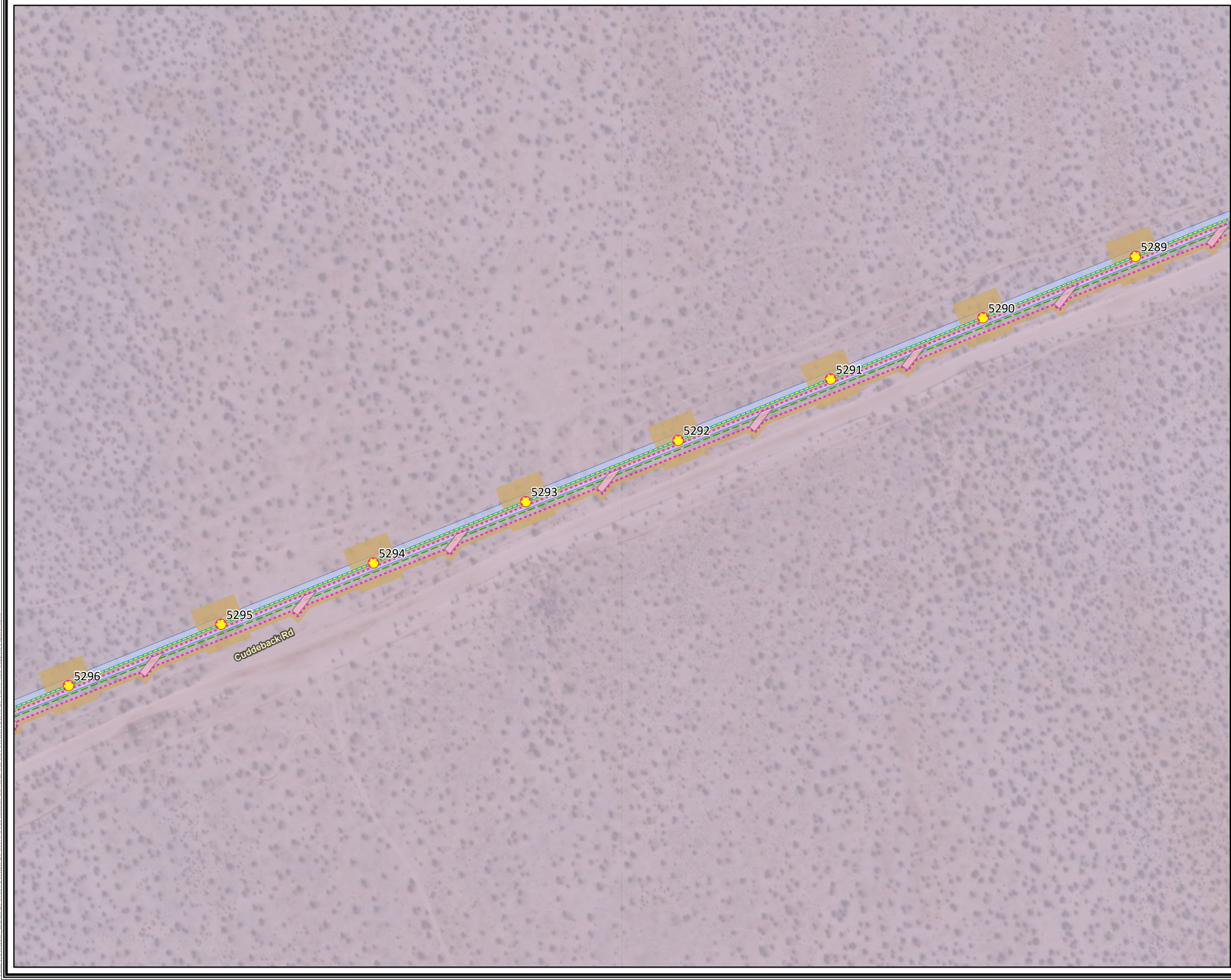
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Guard Structure Site
- Pull Site

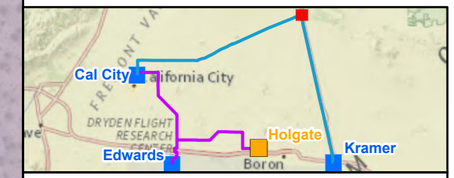
Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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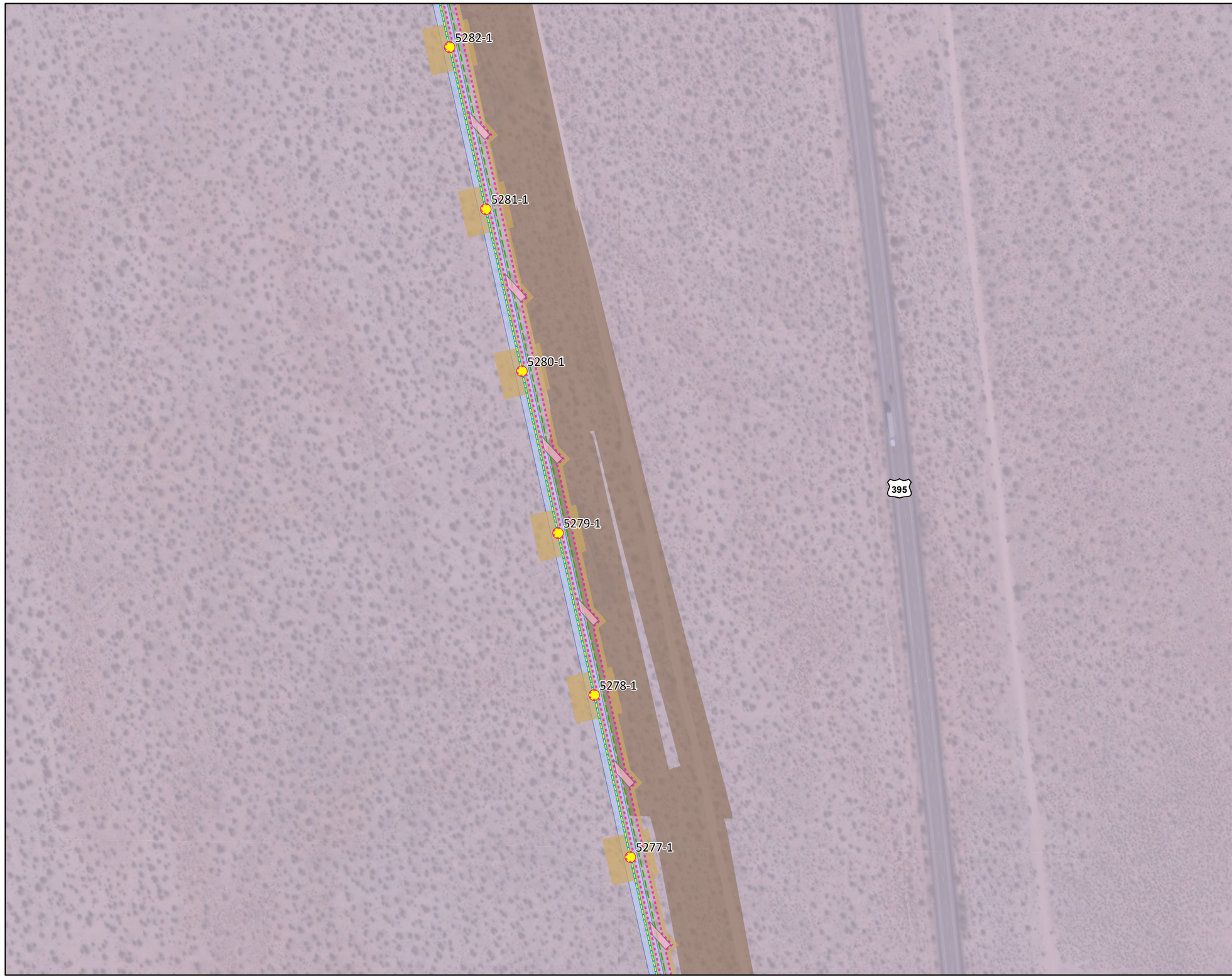

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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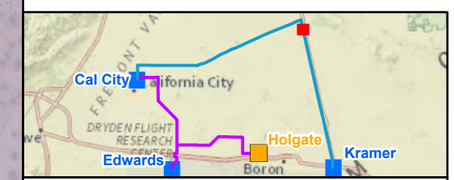

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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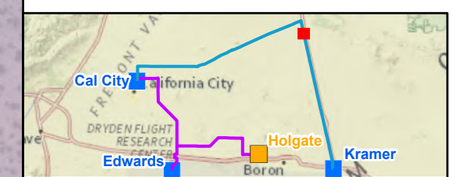

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

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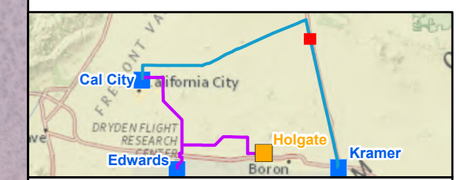

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Splice Site

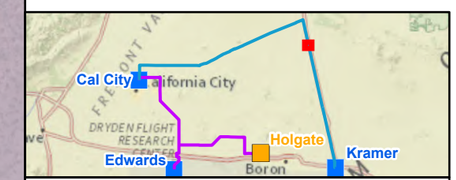
Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Splice Site

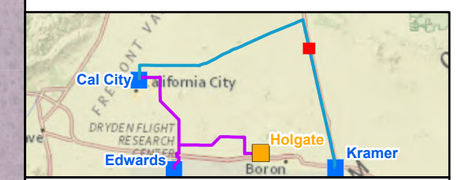
Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

0 0.01 0.03 0.05 Miles

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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

0 0.01 0.03 0.05 Miles

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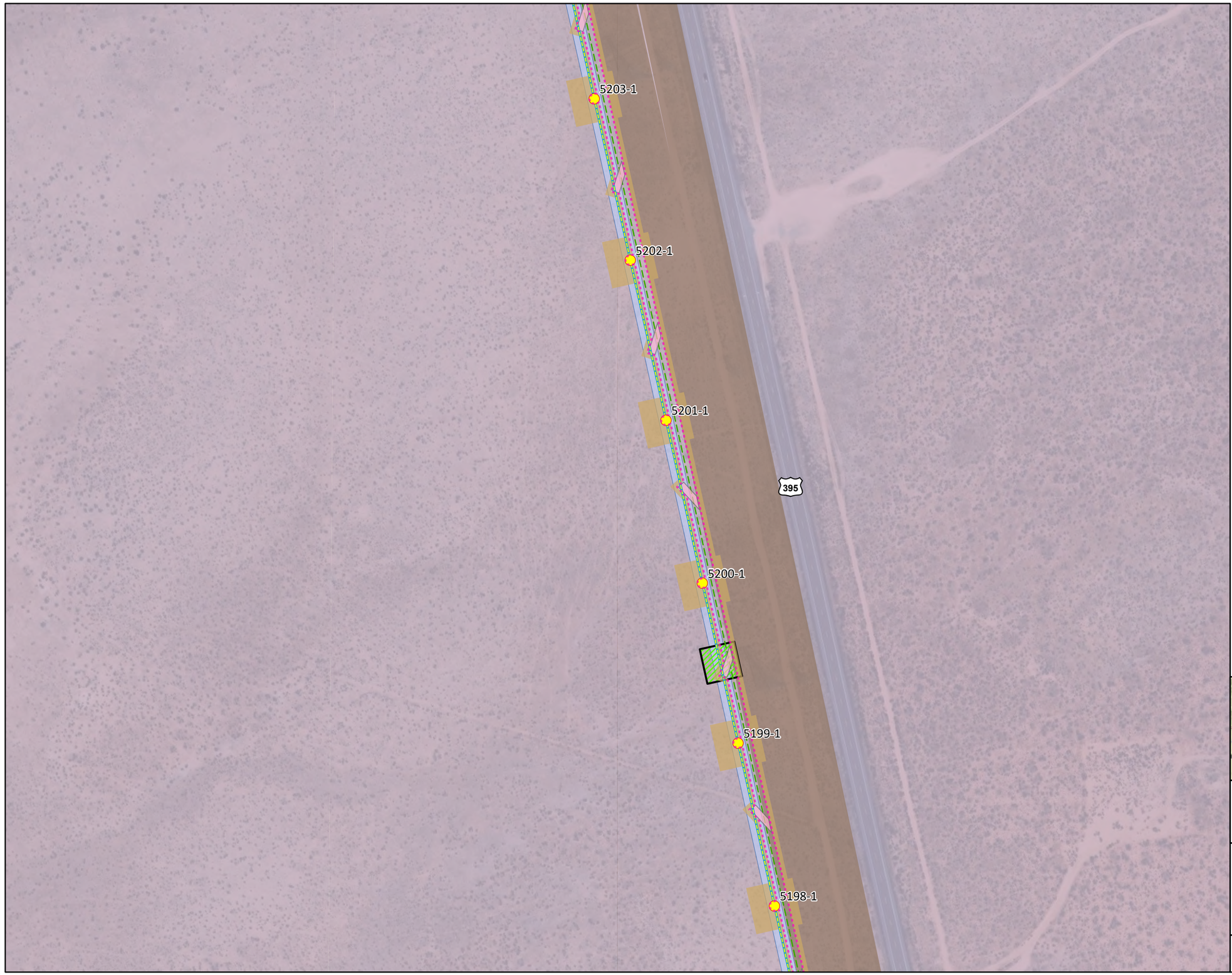

Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

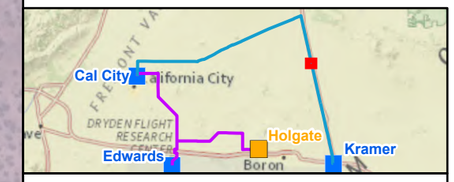
Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

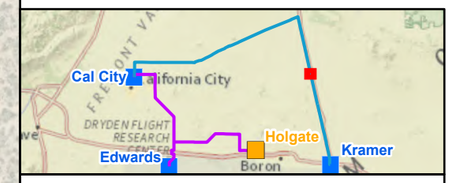
Access Roads
- *New Access Road
- Existing Access Road
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

0 0.01 0.03 0.05 Miles

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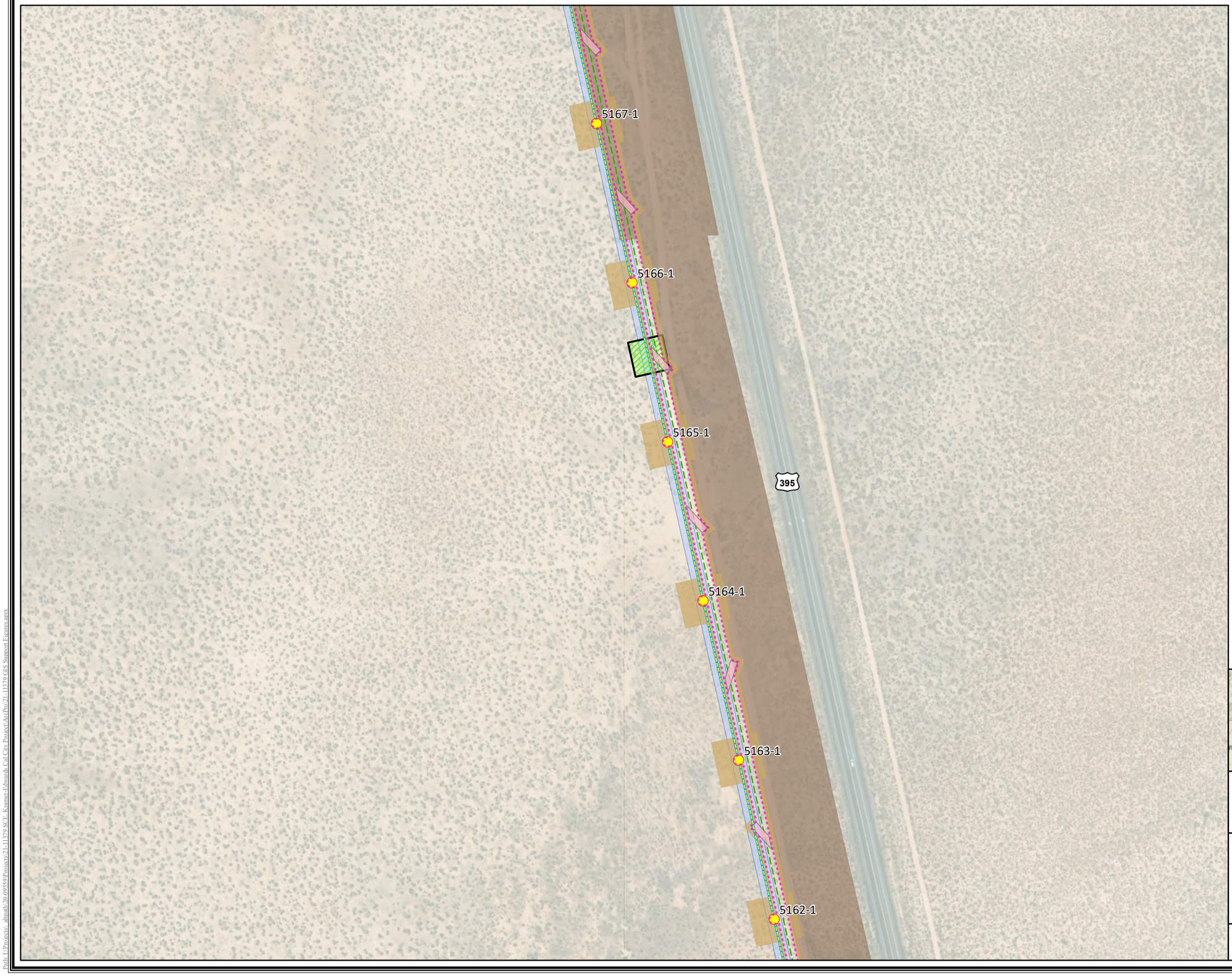
Cal City Substation 115 kV Upgrade Project

Appendix A
Page 68 of 157



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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0 0.01 0.03 0.05 Miles

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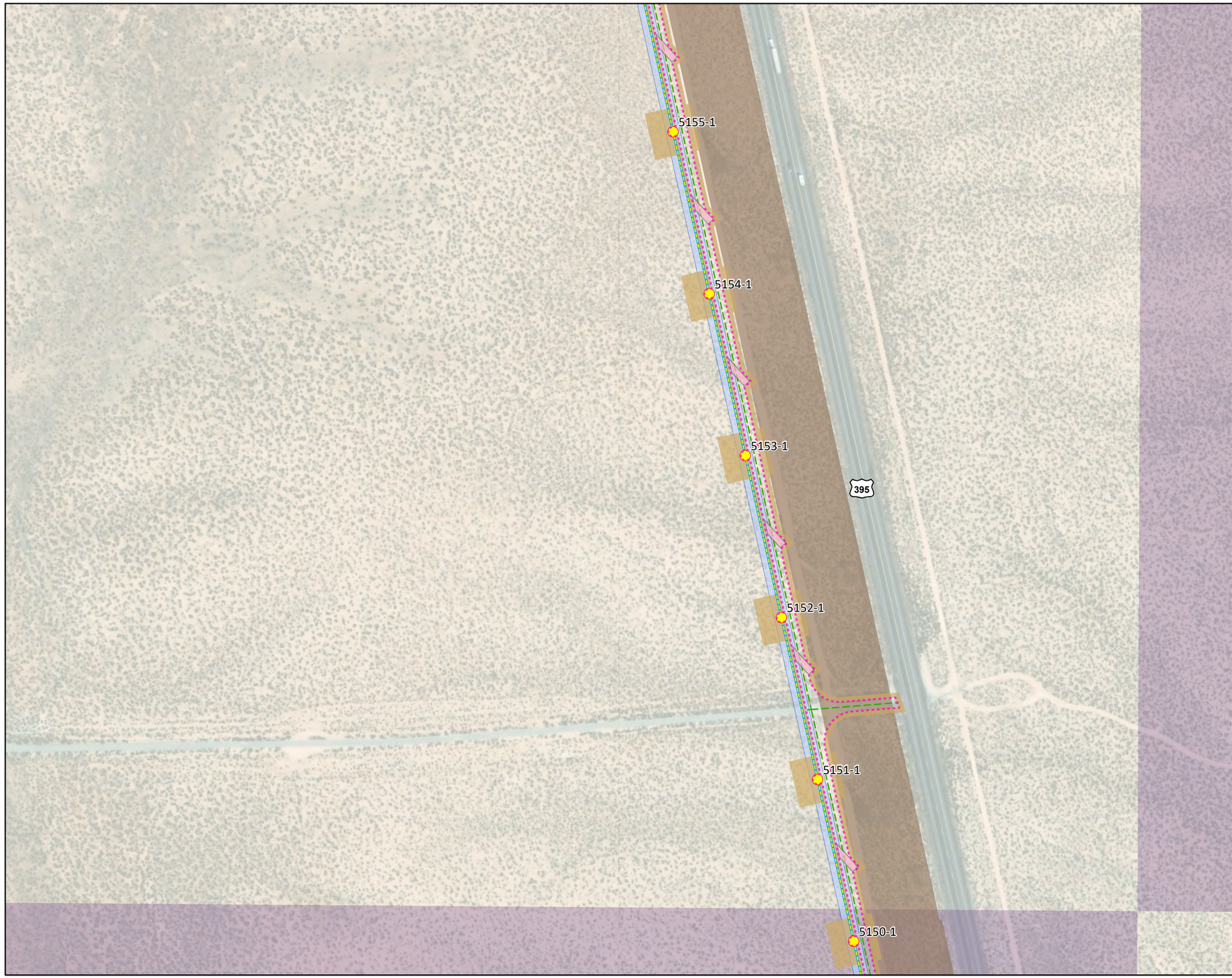


Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

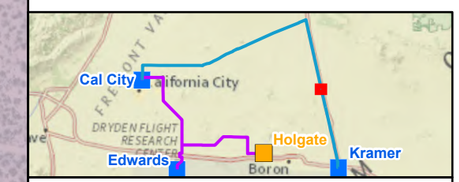
Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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Cal City Substation 115 kV Upgrade Project

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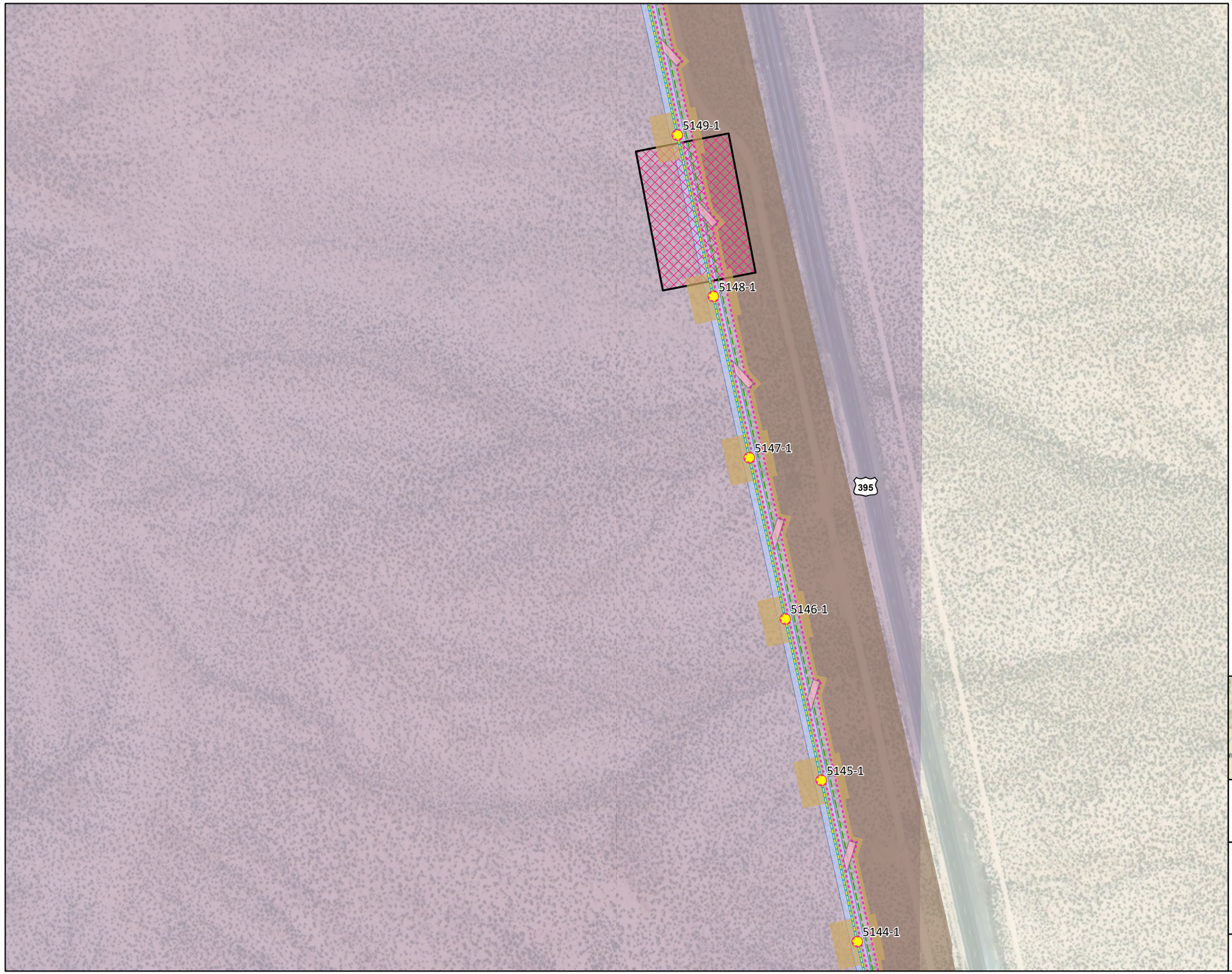


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Pull Site

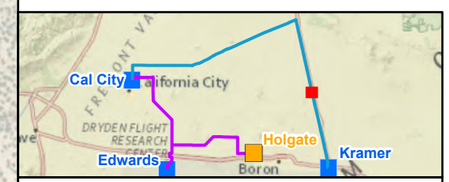
Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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Cal City Substation 115 kV Upgrade Project

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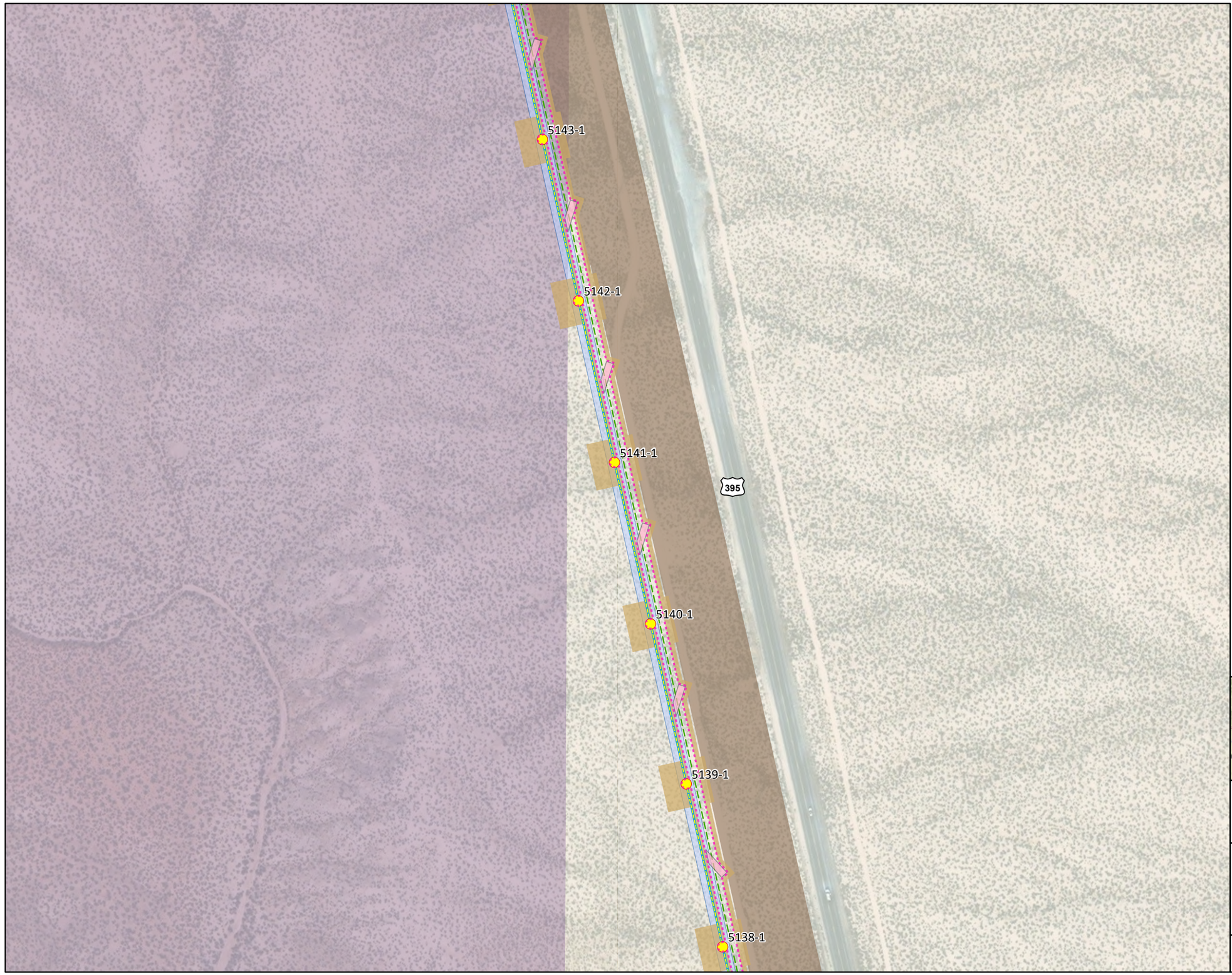

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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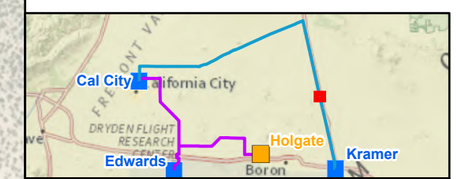

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Cal City Substation 115 kV Upgrade Project

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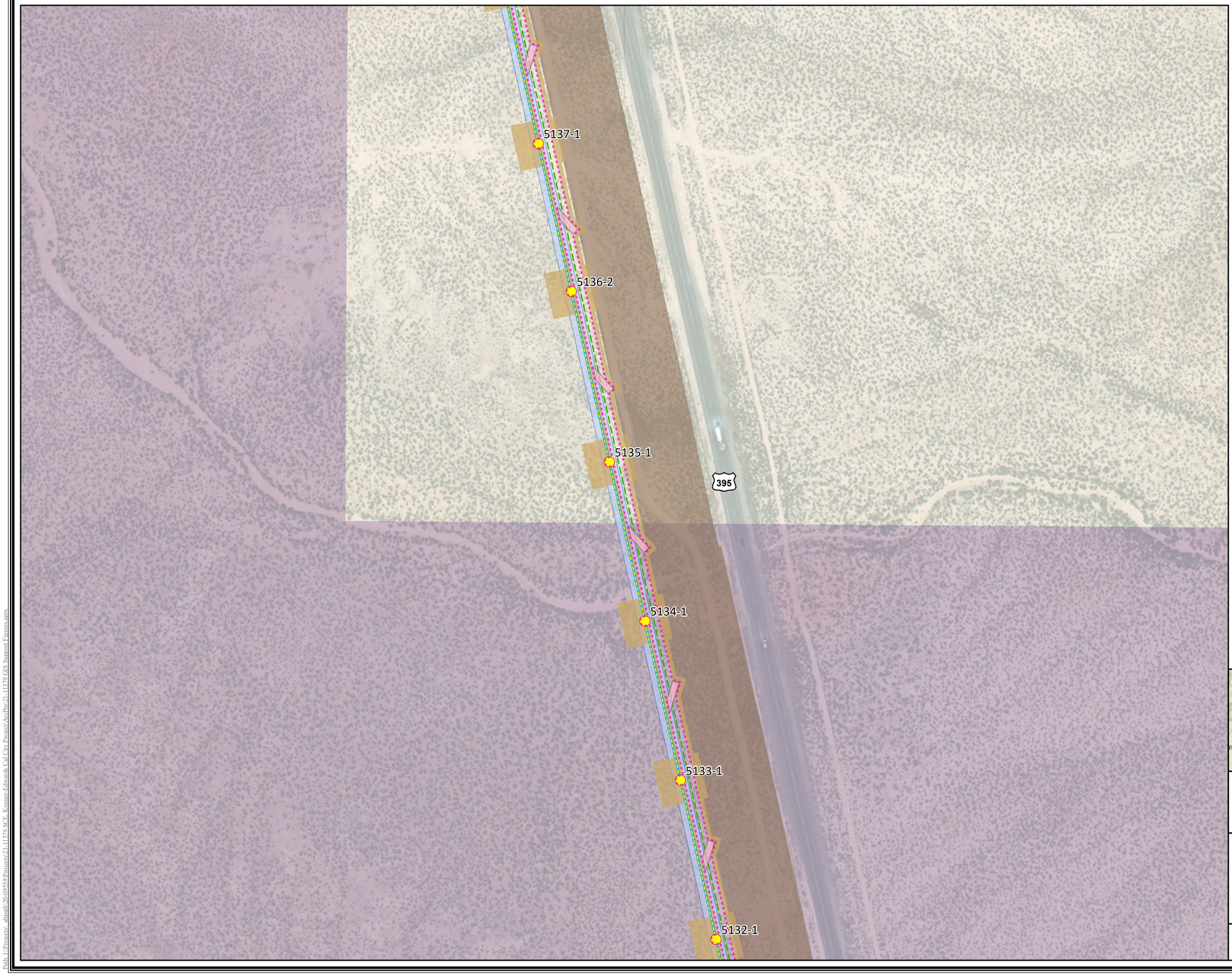


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

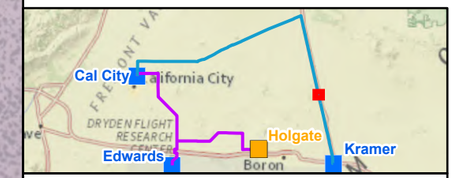
Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
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- Proposed Project - 30 ft ROW

Land Ownership
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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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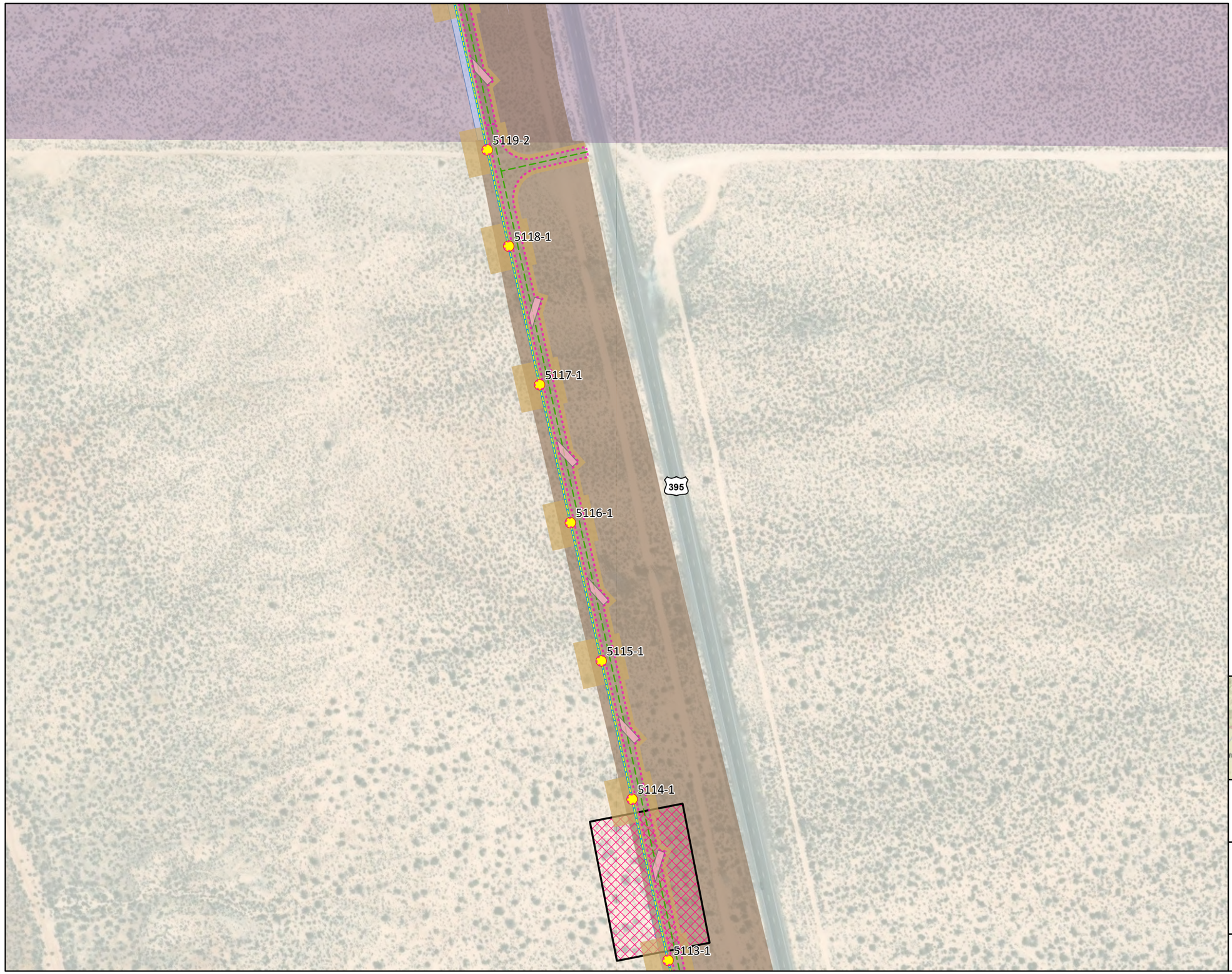

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

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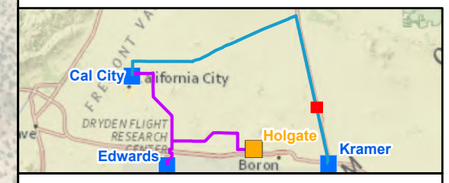

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Cal City Substation 115 kV Upgrade Project

Appendix A
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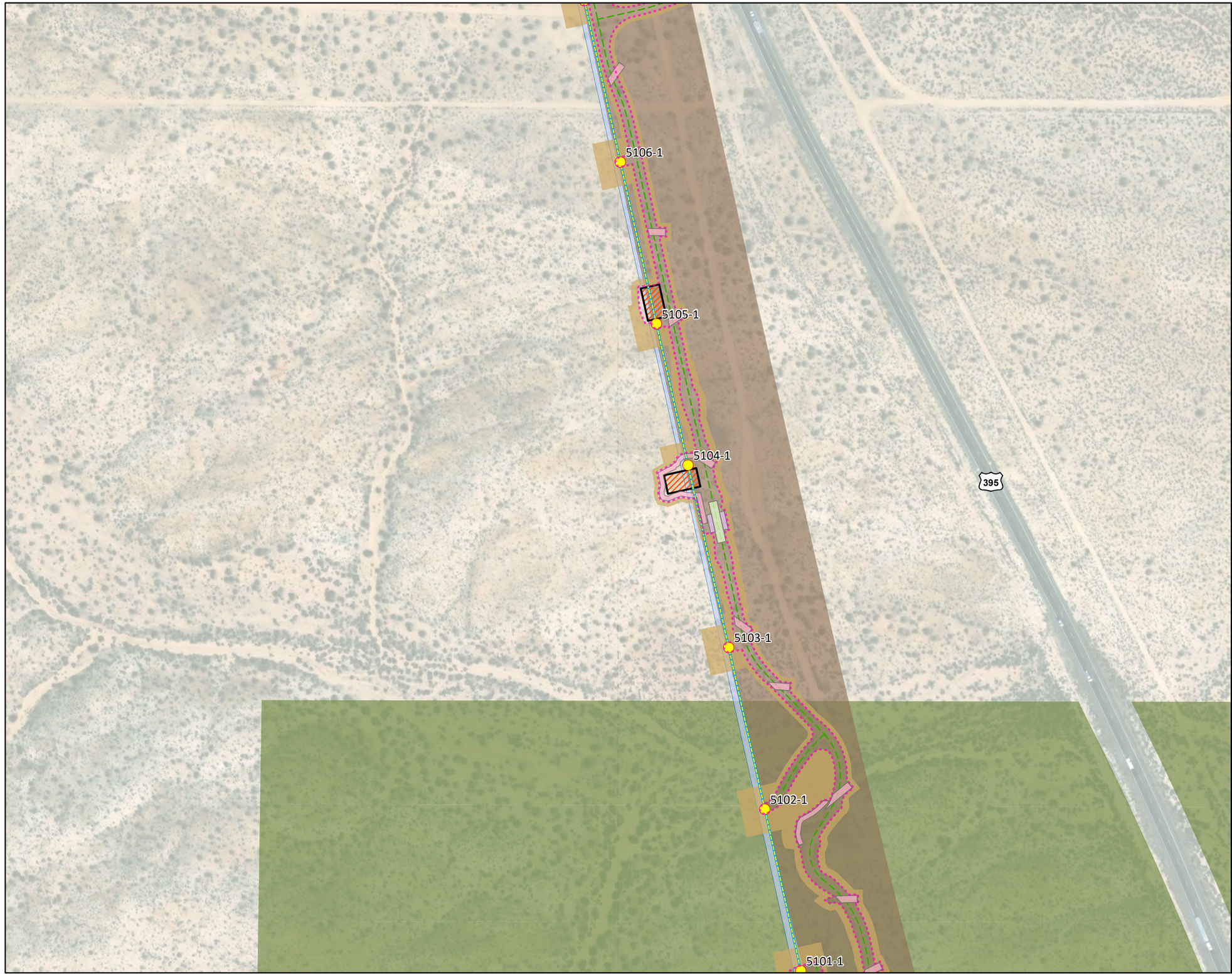

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- O&M Structure Pads

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- California Department of Fish and Wildlife

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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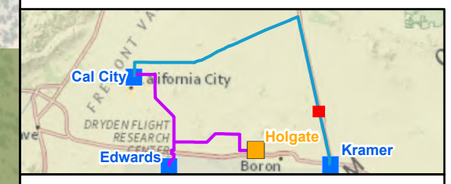

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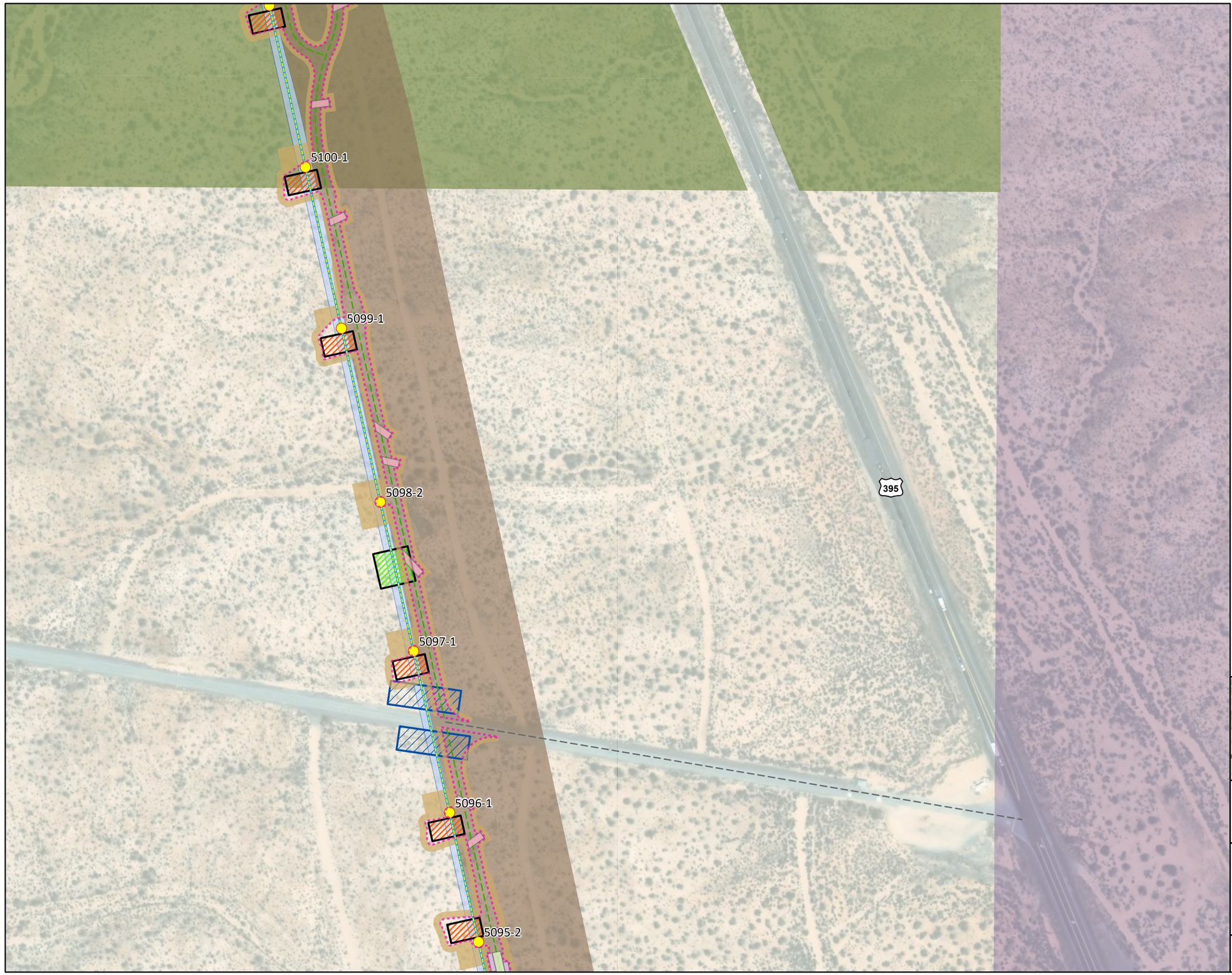

Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Guard Structure Site
- O&M Structure Pads
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management
- California Department of Fish and Wildlife

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World Imagery: County of San Bernardino, Maxar

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Cal City Substation 115 kV Upgrade Project

5094-1

5093-1

5092-1

5091-1

5090-1

5089-1

395

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Gabion Basket
- Hardened Wet Crossing
- McCarthy Drain Single
- Rip Rap
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- O&M Structure Pads

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

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World Imagery: County of San Bernardino, Maxar

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- O&M Structure Pads

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management
- California Department of Fish and Wildlife

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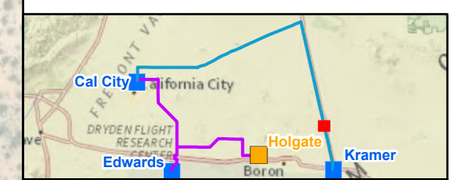

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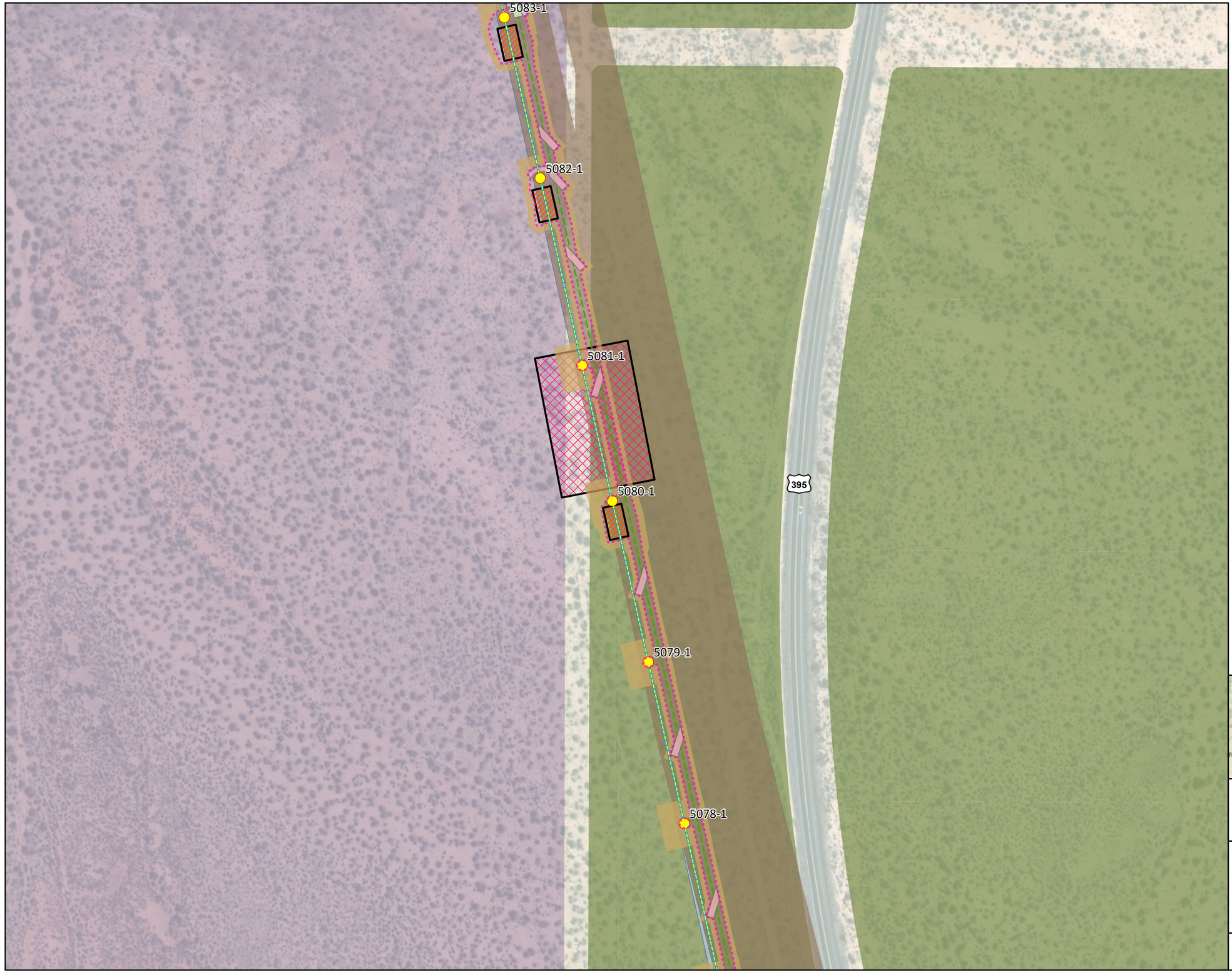

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- O&M Structure Pads
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management
- California Department of Fish and Wildlife

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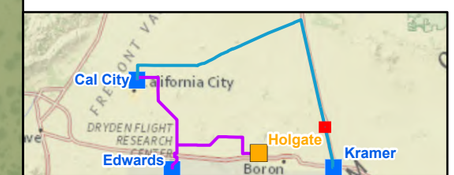

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Cal City Substation 115 kV Upgrade Project

Appendix A
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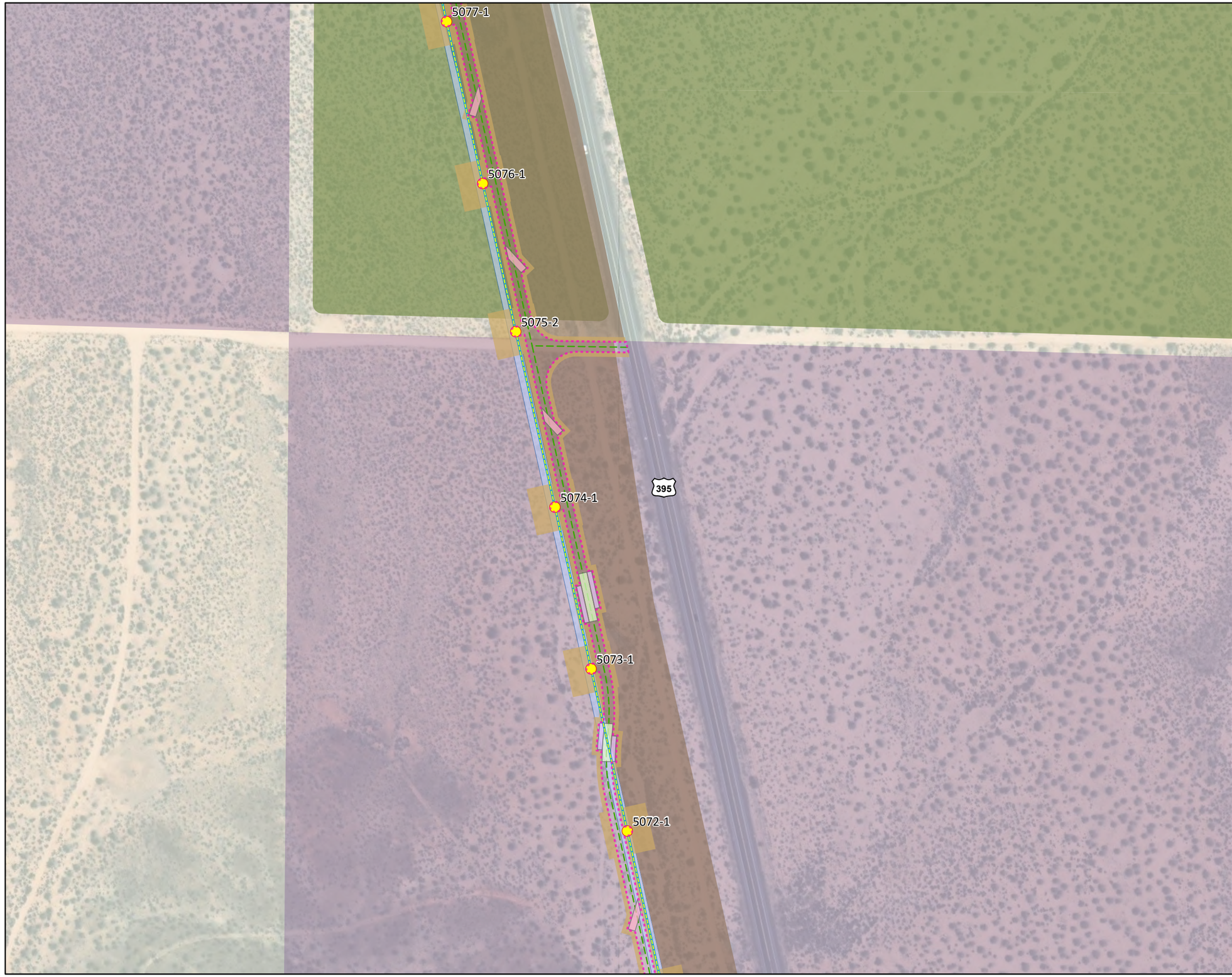

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management
- California Department of Fish and Wildlife

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0 0.01 0.03 0.05 Miles

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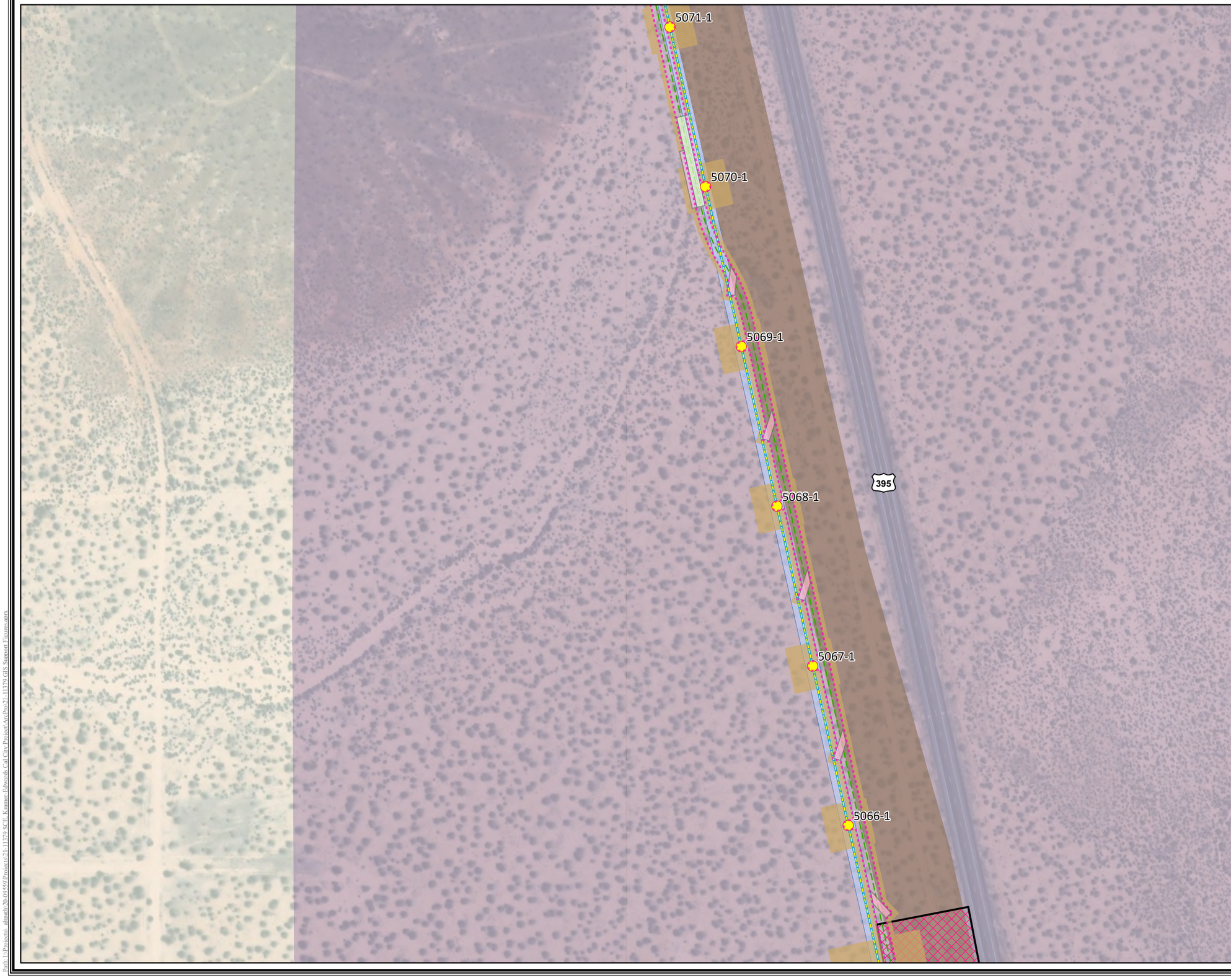

Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

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0 0.01 0.03 0.05 Miles

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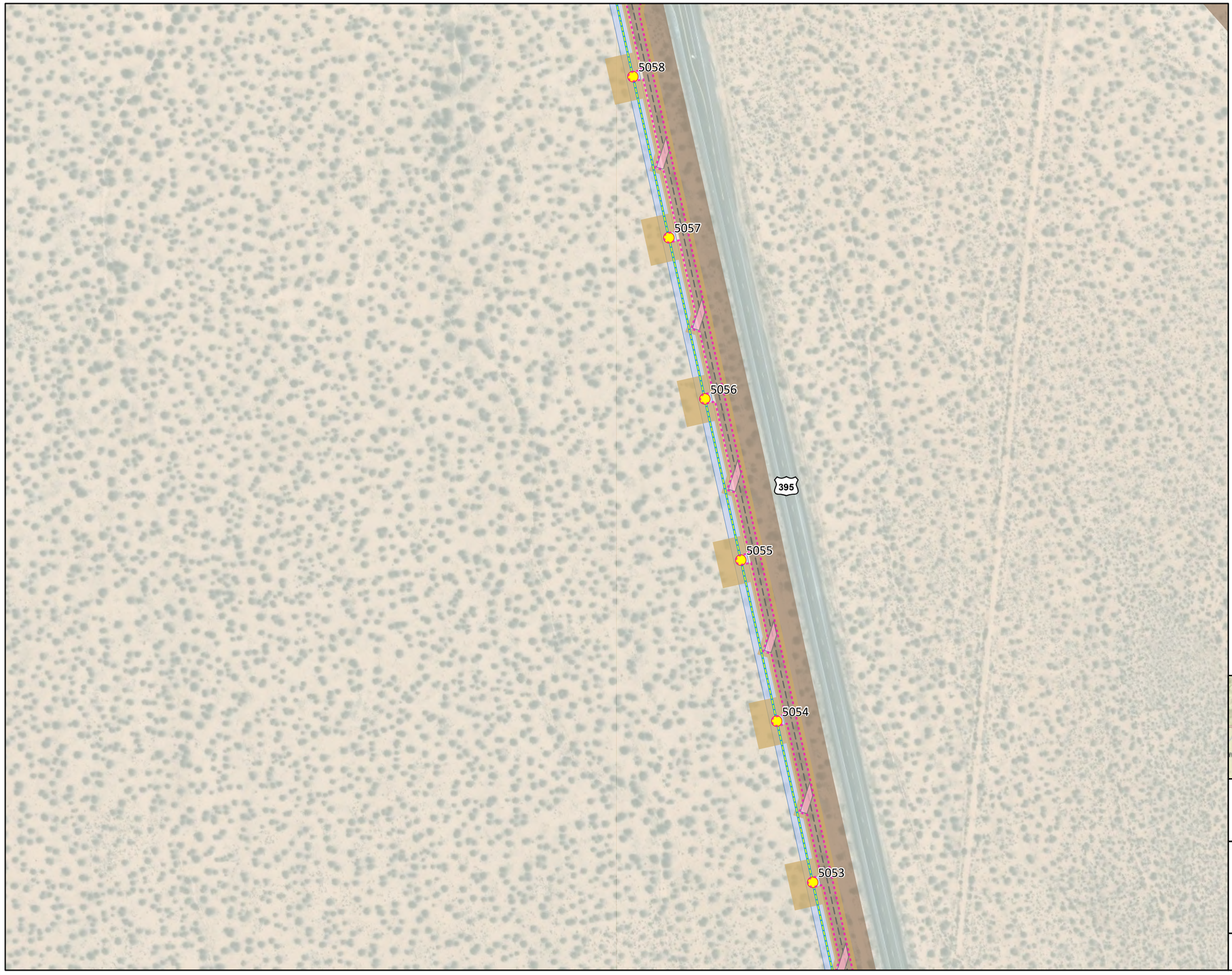

Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

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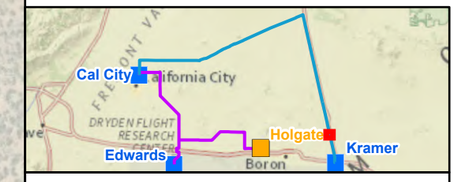

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

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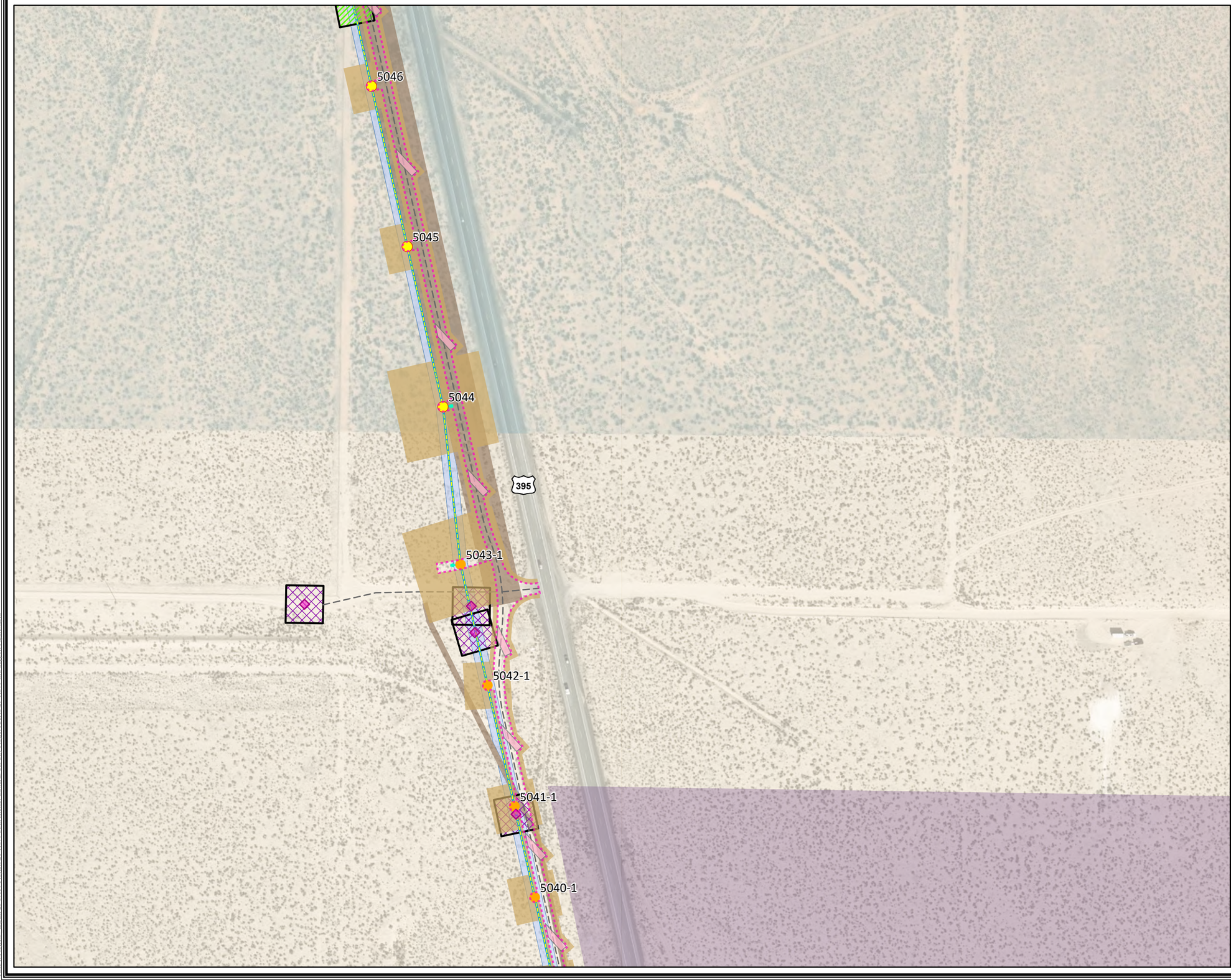
Cal City Substation 115 kV Upgrade Project

Appendix A
Page 88 of 157



Subtransmission Structures
- New, LWS
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

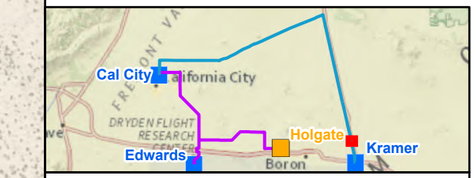
Construction Areas
- Splice Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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World Imagery: County of San Bernardino, Maxar

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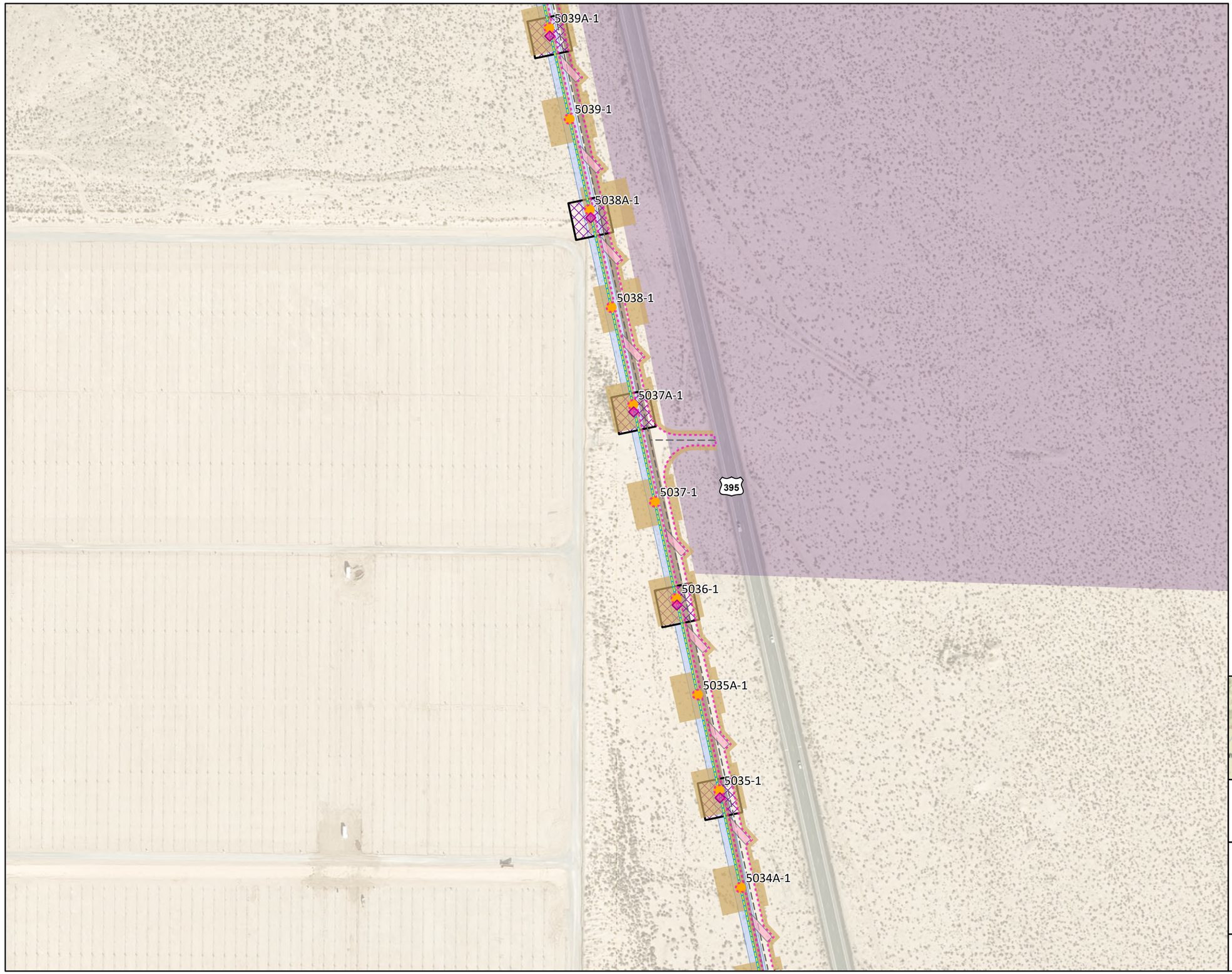

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

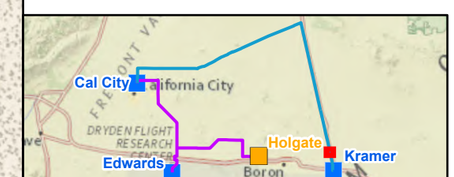
Construction Areas
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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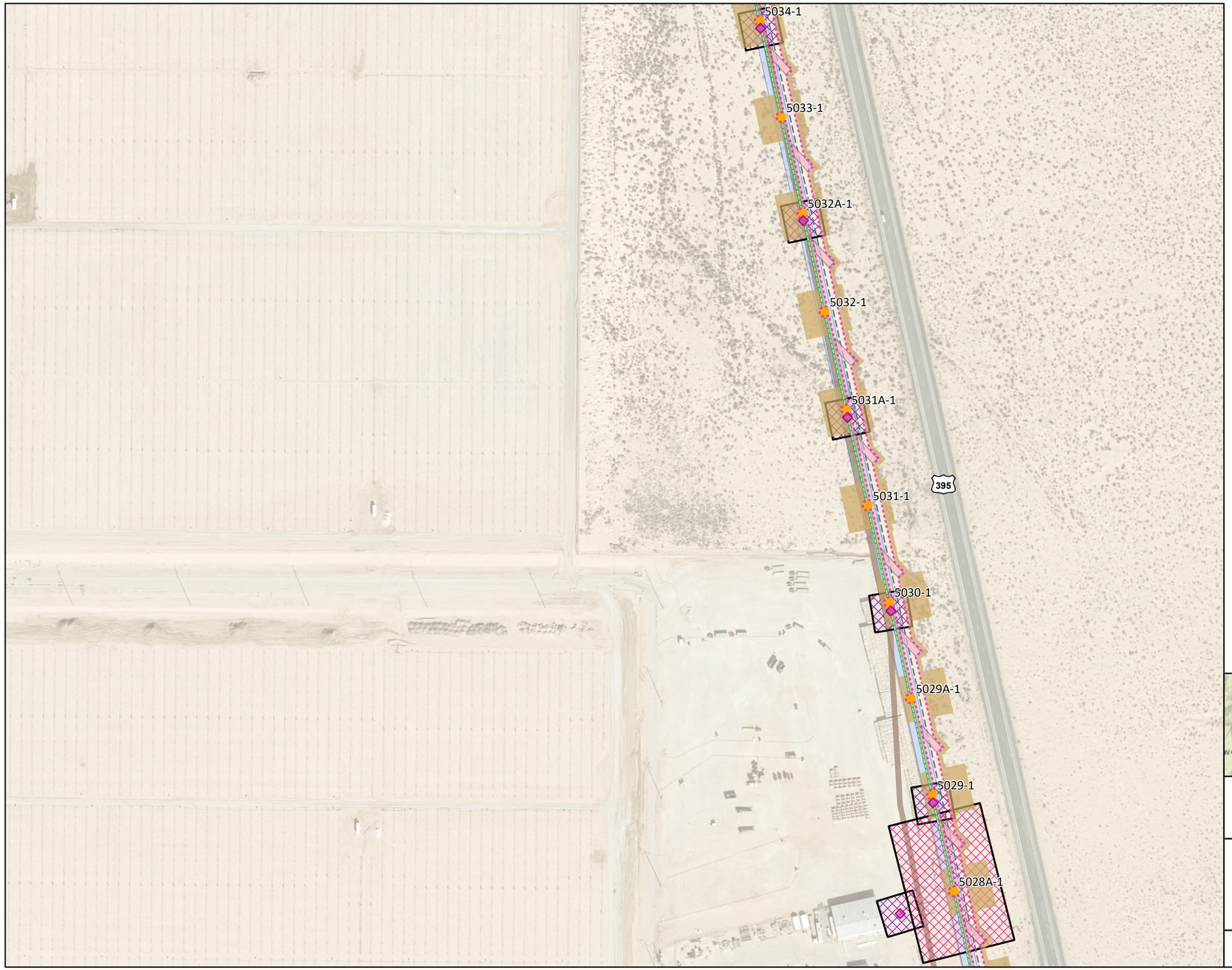
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

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World Imagery: County of San Bernardino, Maxar

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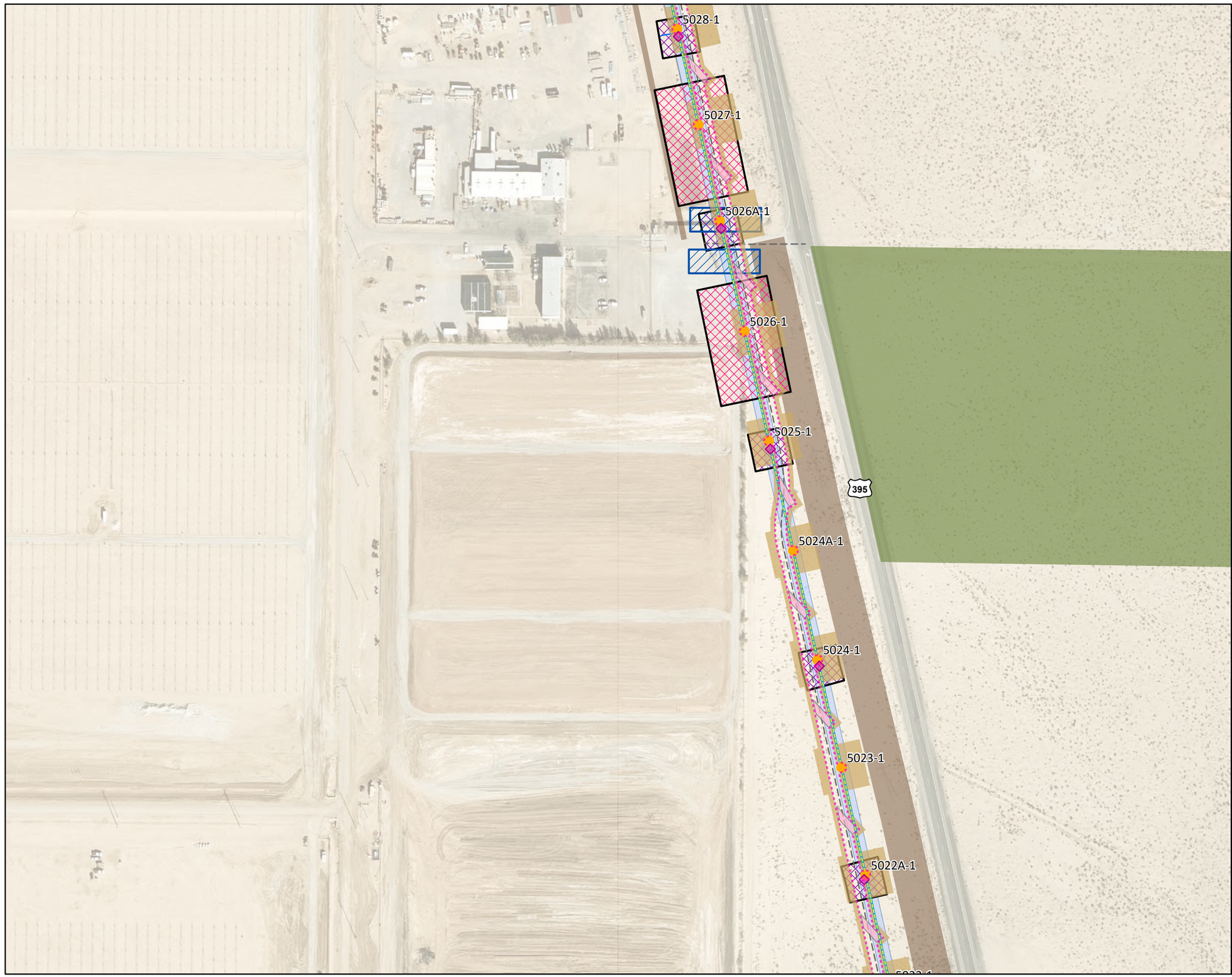

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road
- Overland Travel Path

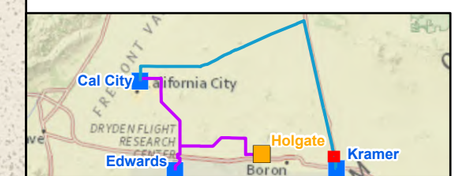
Construction Areas
- Guard Structure Site
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- California Department of Fish and Wildlife

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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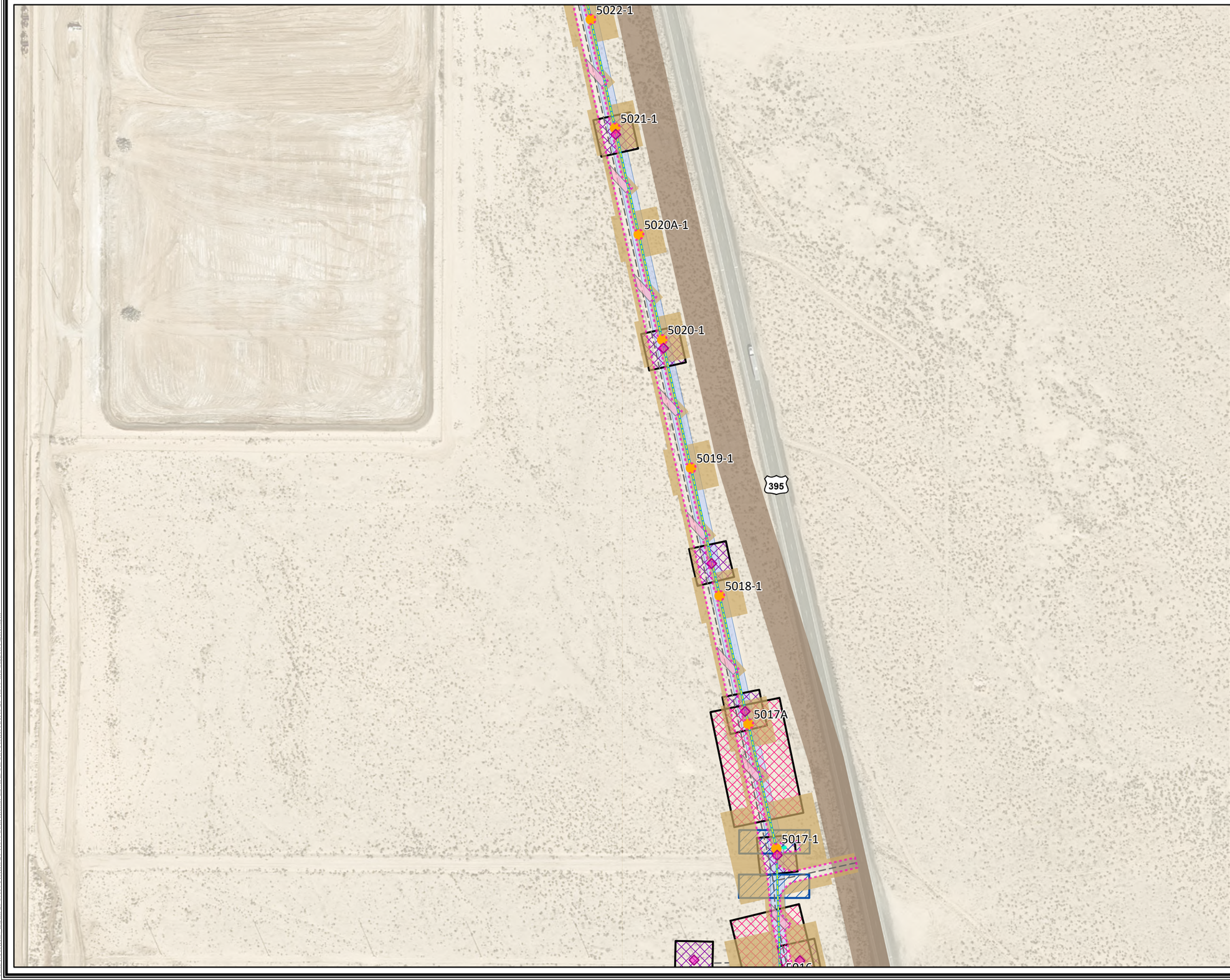

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Guard Structure Site
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

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World Imagery: County of San Bernardino, Maxar

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Cal City Substation 115 kV Upgrade Project

5016
5015-1
5014-1
5013A
5013-1
5012A
395
5012-1
5011
5010
5009
Staging Area 1-7
Staging Area 1-11

Subtransmission Structures
- New, LWS
- New, TSP

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Guard Structure Site
- Pull Site
- Structure Work Area
- Staging Area

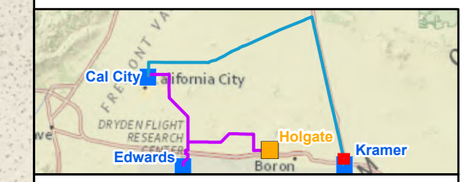
Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Edwards Air Force Base

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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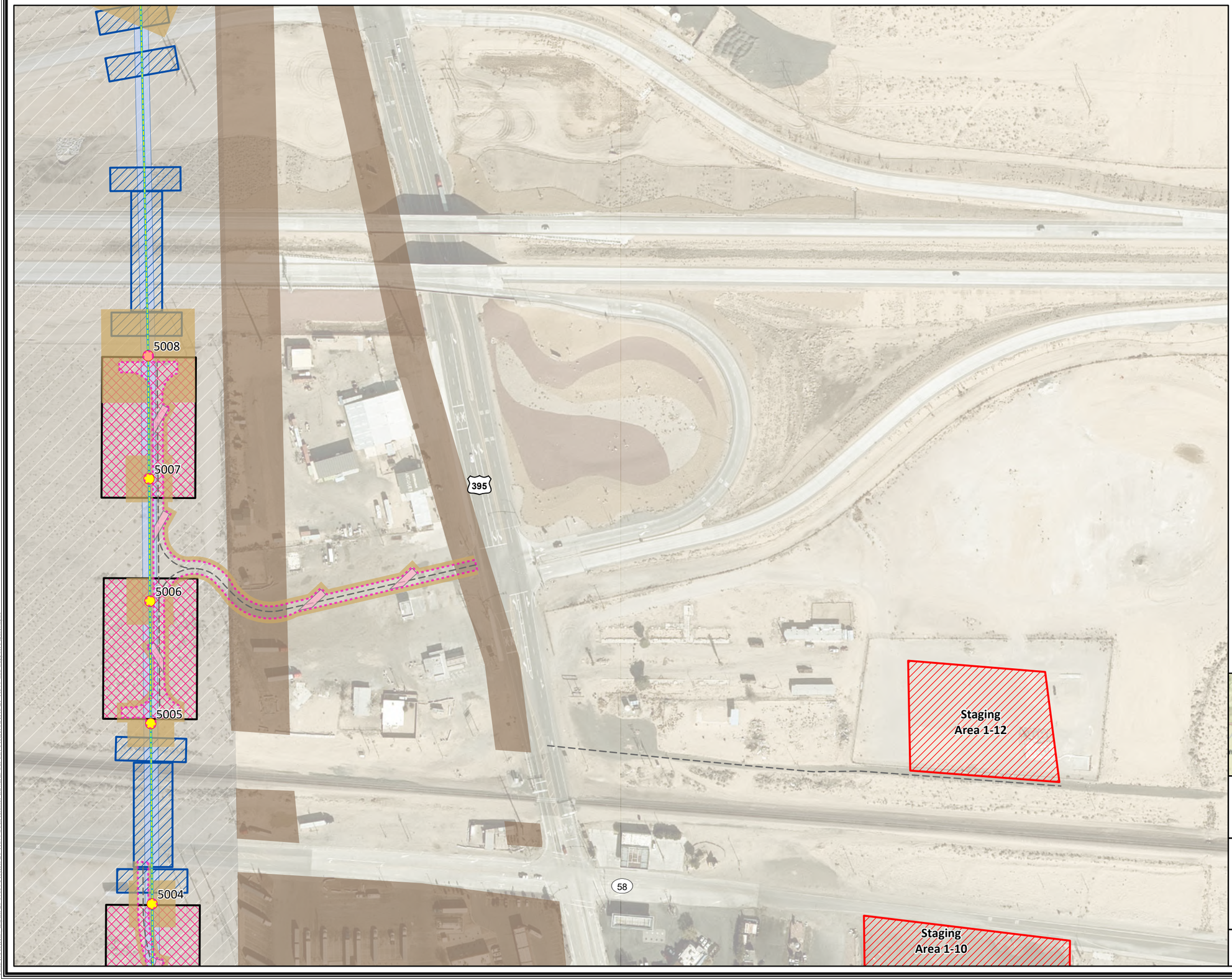
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS
- New, TSP

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

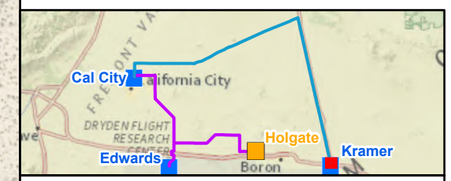
Construction Areas
- Guard Structure Site
- Pull Site
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Edwards Air Force Base

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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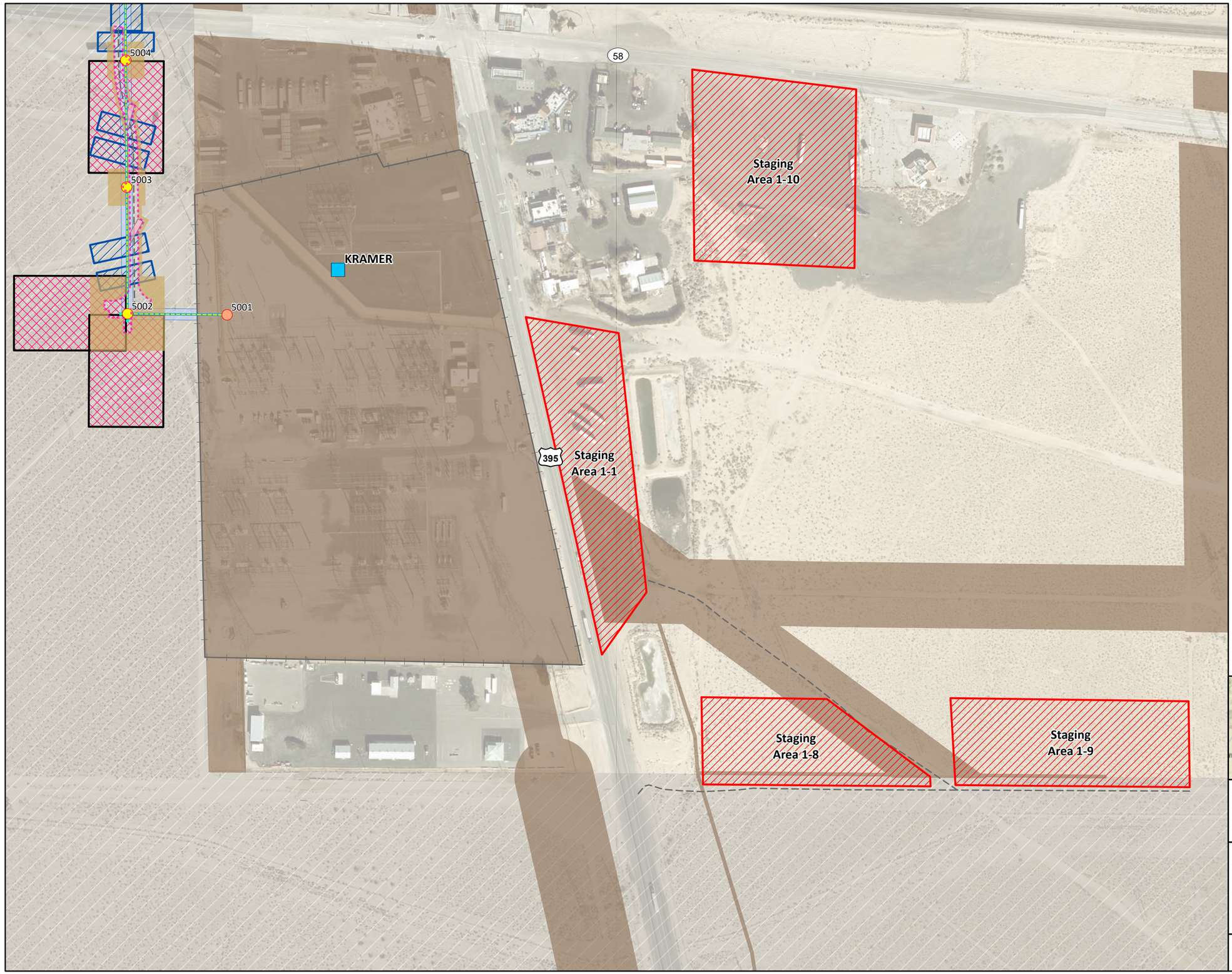

Cal City Substation 115 kV Upgrade Project

Appendix A
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Existing Substation

Subtransmission Structures
- New, LWS
- New, TSP

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Kramer-Cal City 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Substation Facility Area
- Existing

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

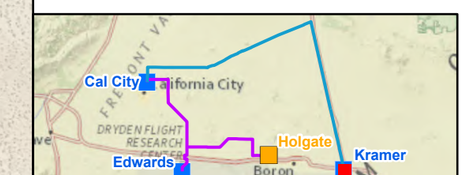
Construction Areas
- Guard Structure Site
- Pull Site
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Edwards Air Force Base

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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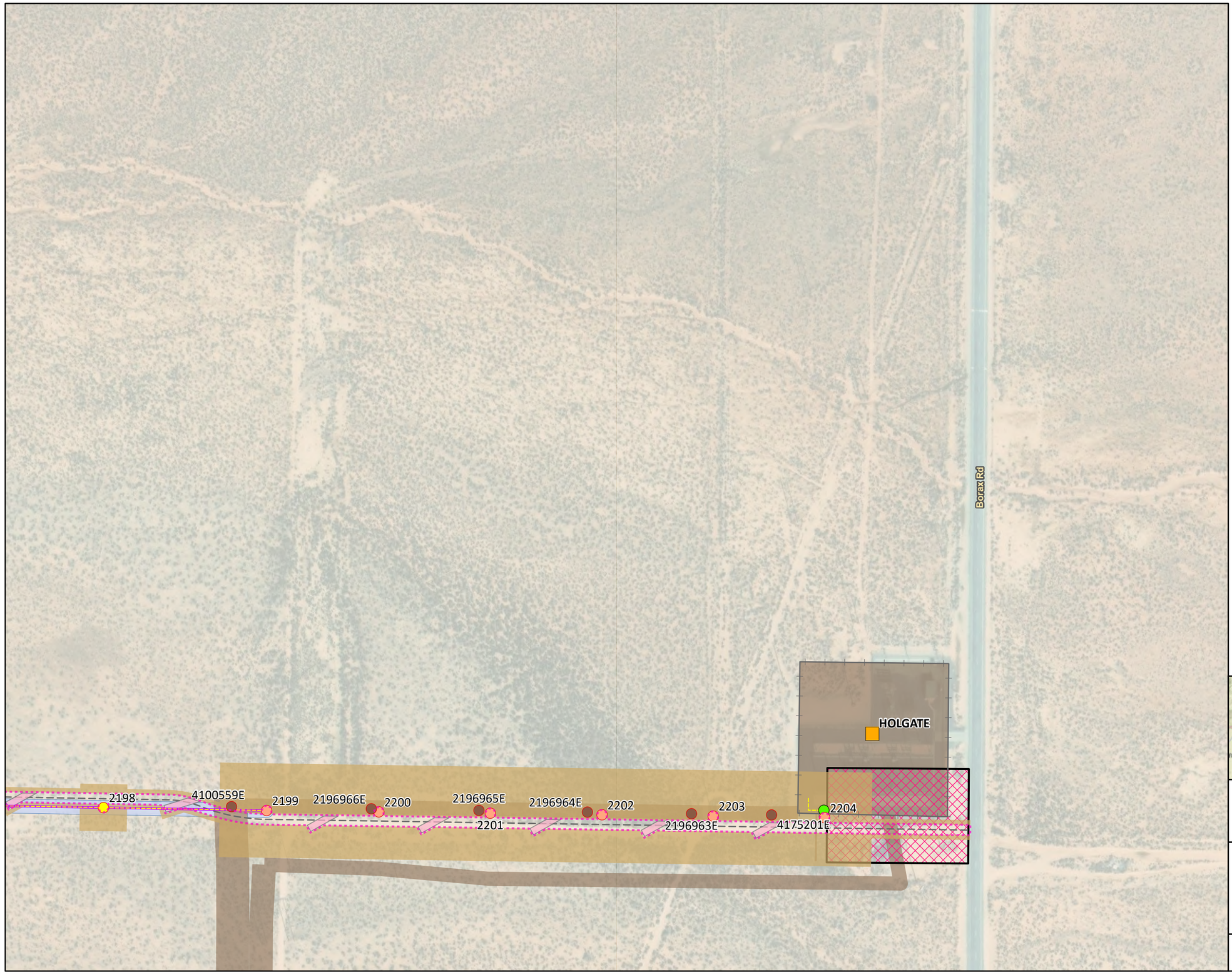
Cal City Substation 115 kV Upgrade Project



Existing Switchyard

Subtransmission Structures
- New, LWS
- New, TSP
- Existing Wood Pole - Remove

Telecommunication Structure
- New, Manhole

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Substation Facility Area
- Existing

Civil Mechanical Stabilization Area
- Water Bar

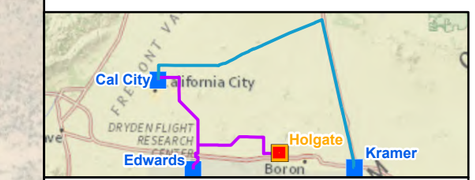
Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

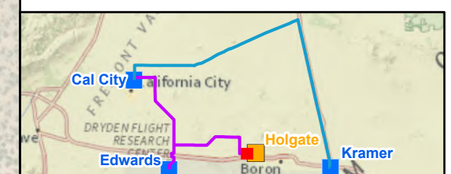
Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

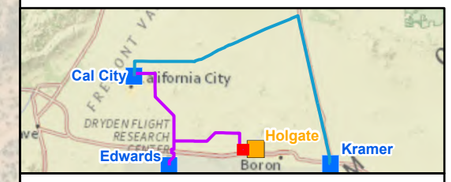
Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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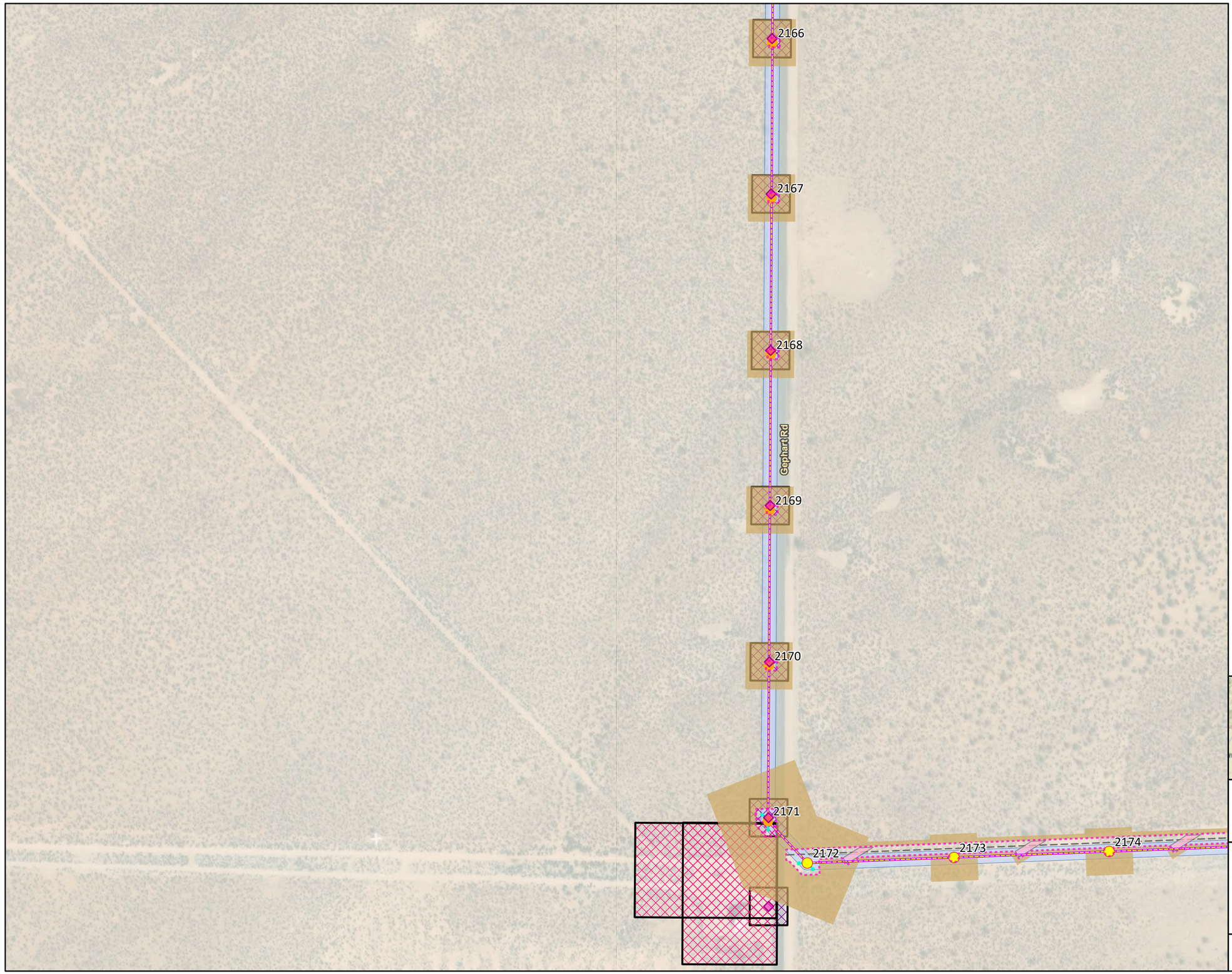

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

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World Imagery: County of San Bernardino, Maxar

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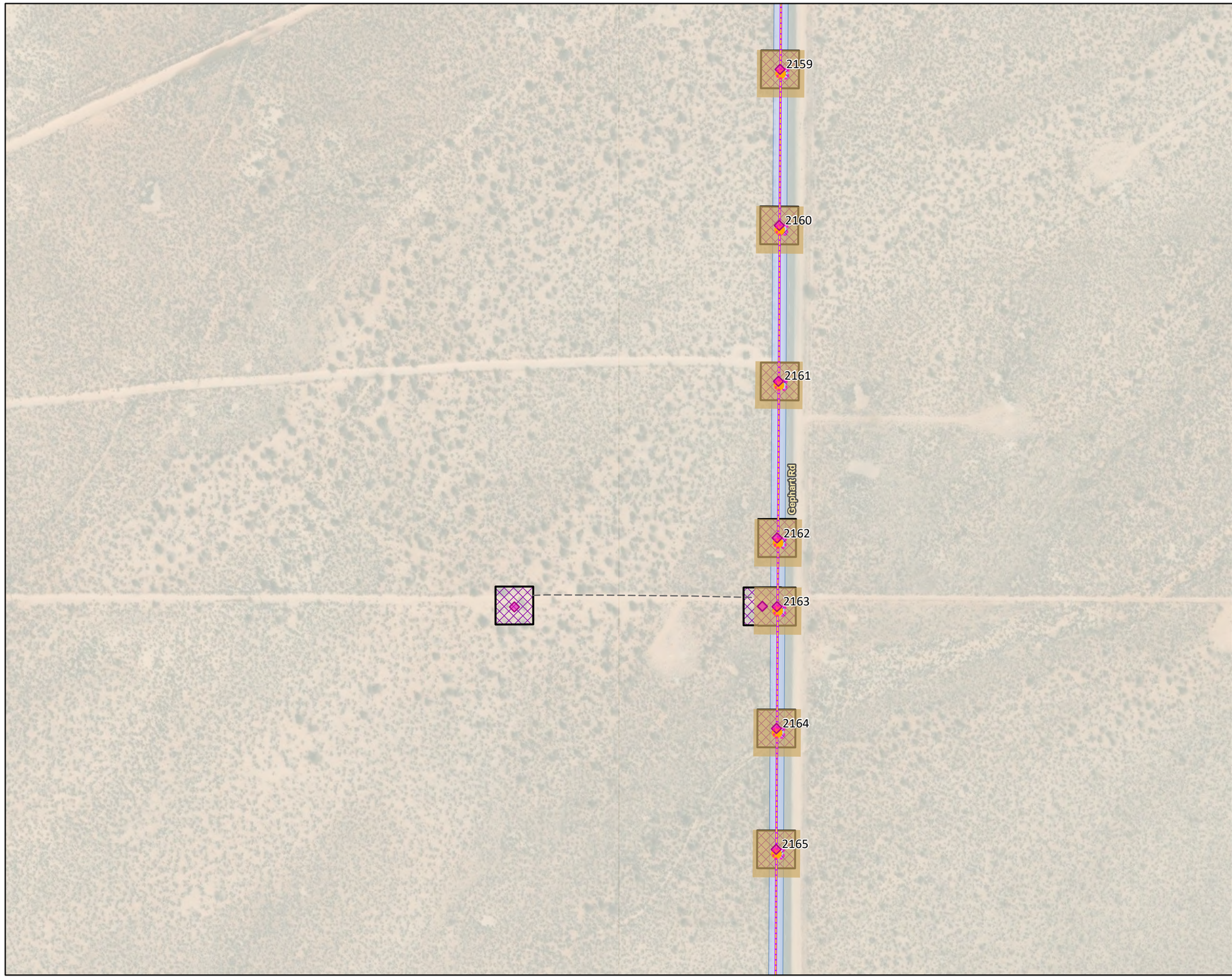

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

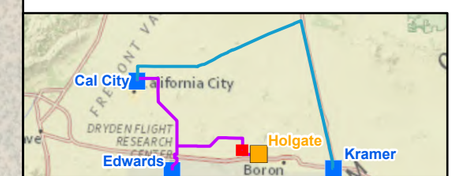
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Access Roads
- Existing Access Road

Construction Areas
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



0 0.01 0.03 0.05 Miles

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World Imagery: County of San Bernardino, Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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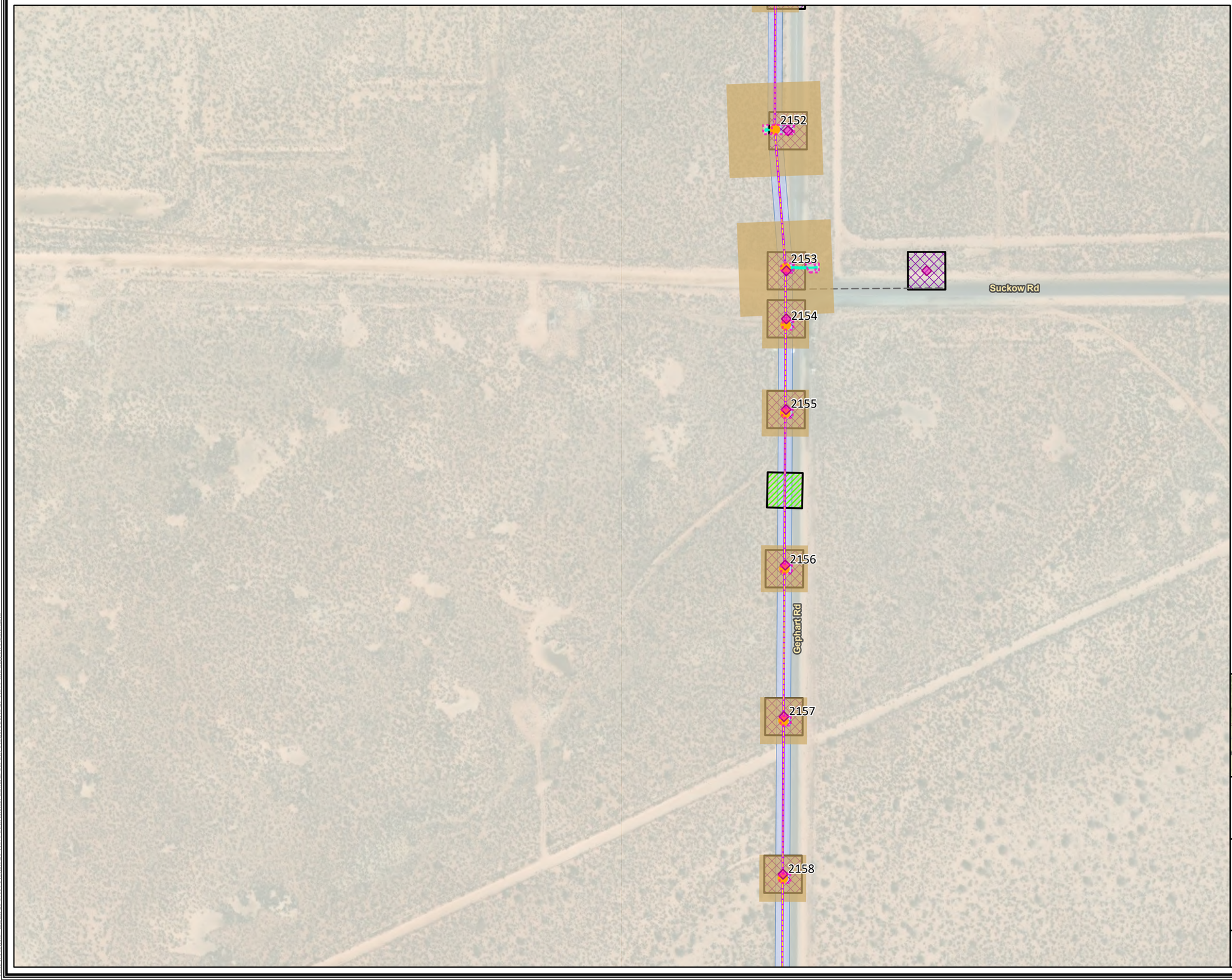

Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Access Roads
- Existing Access Road

Construction Areas
- Splice Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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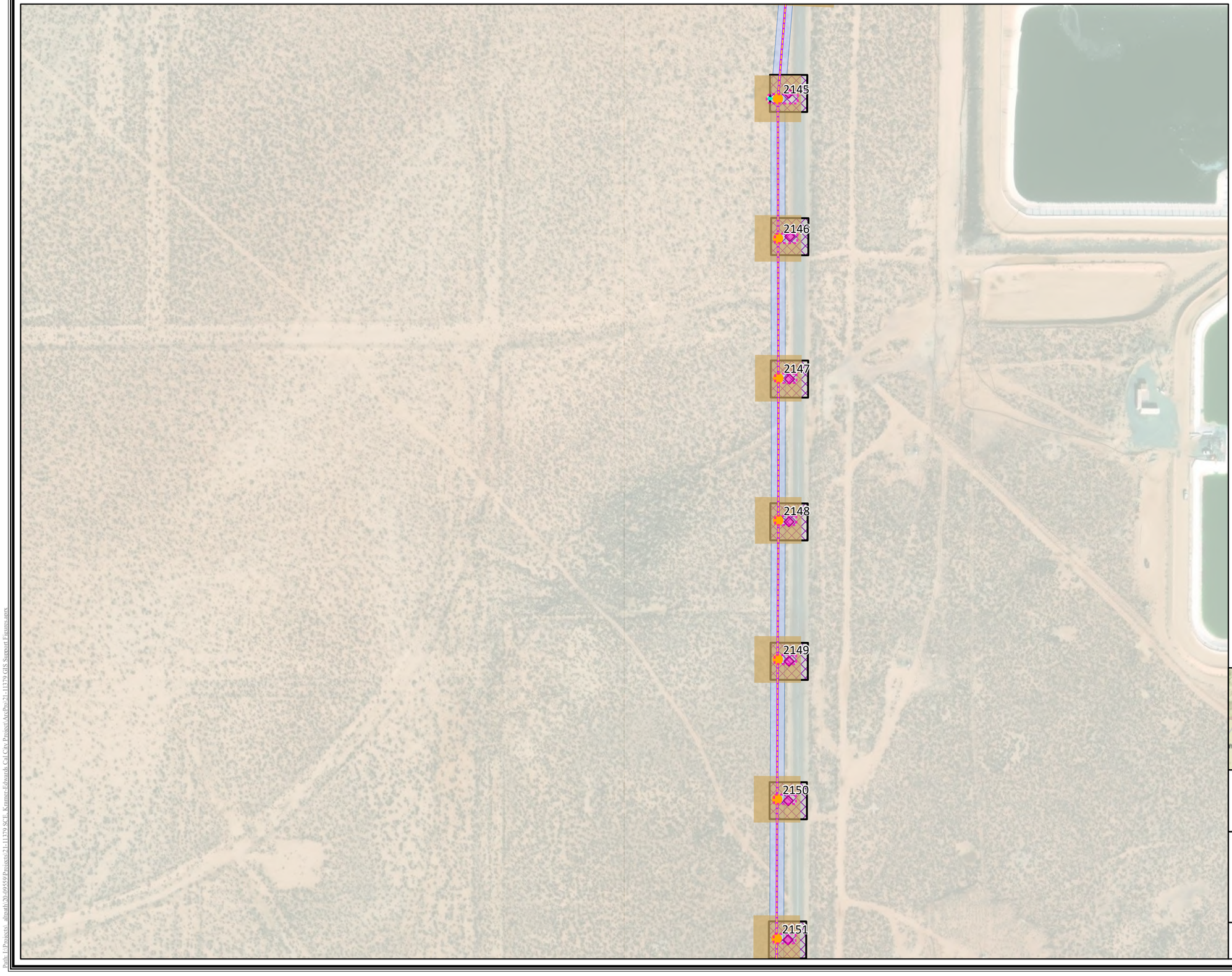

Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Construction Areas
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Construction Areas
- Structure Work Area

Grading Disturbance
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- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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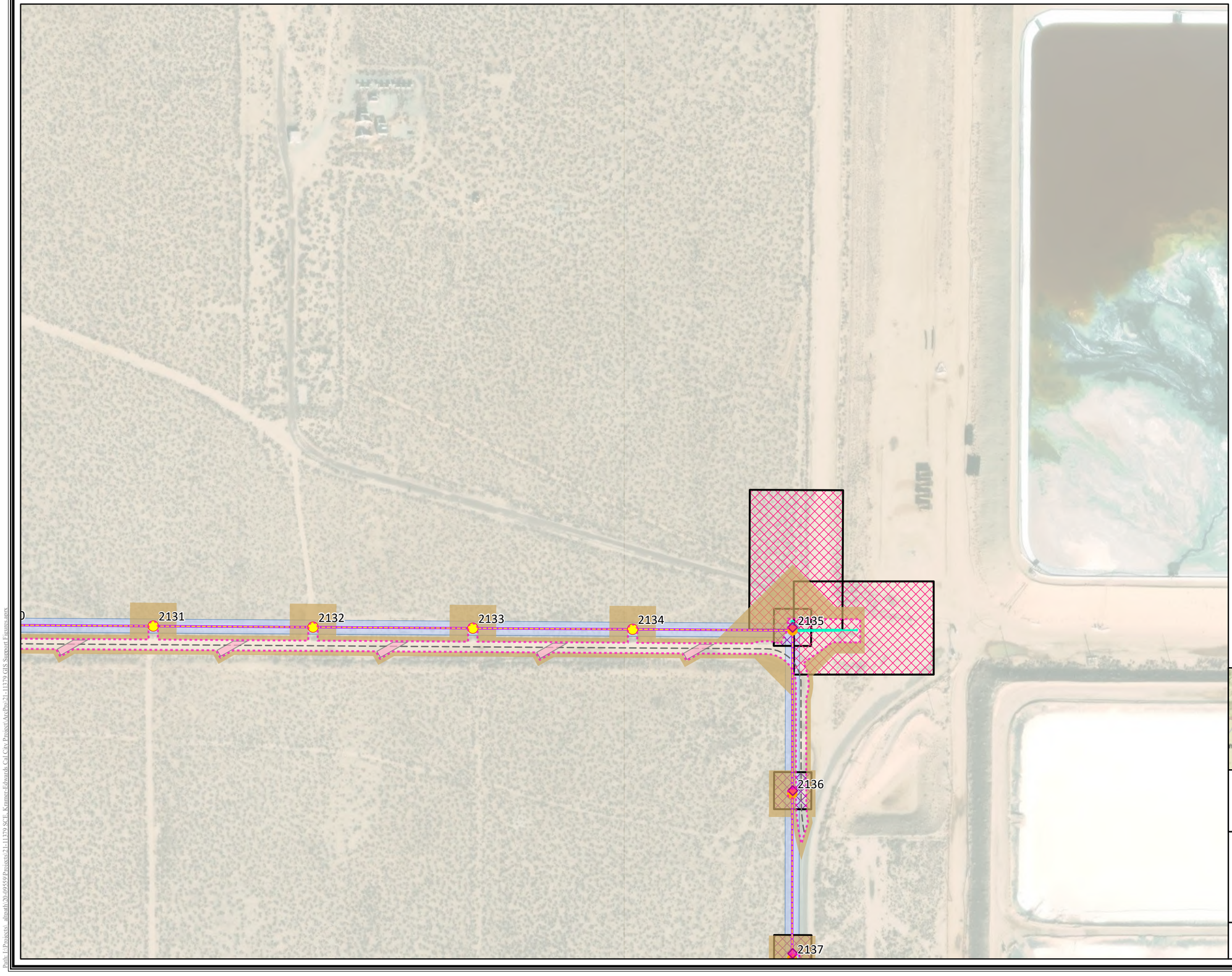
Page 105 of 157



Subtransmission Structures
- New, LWS
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

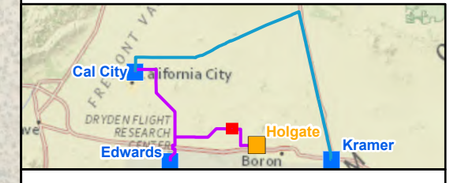
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

Appendix A
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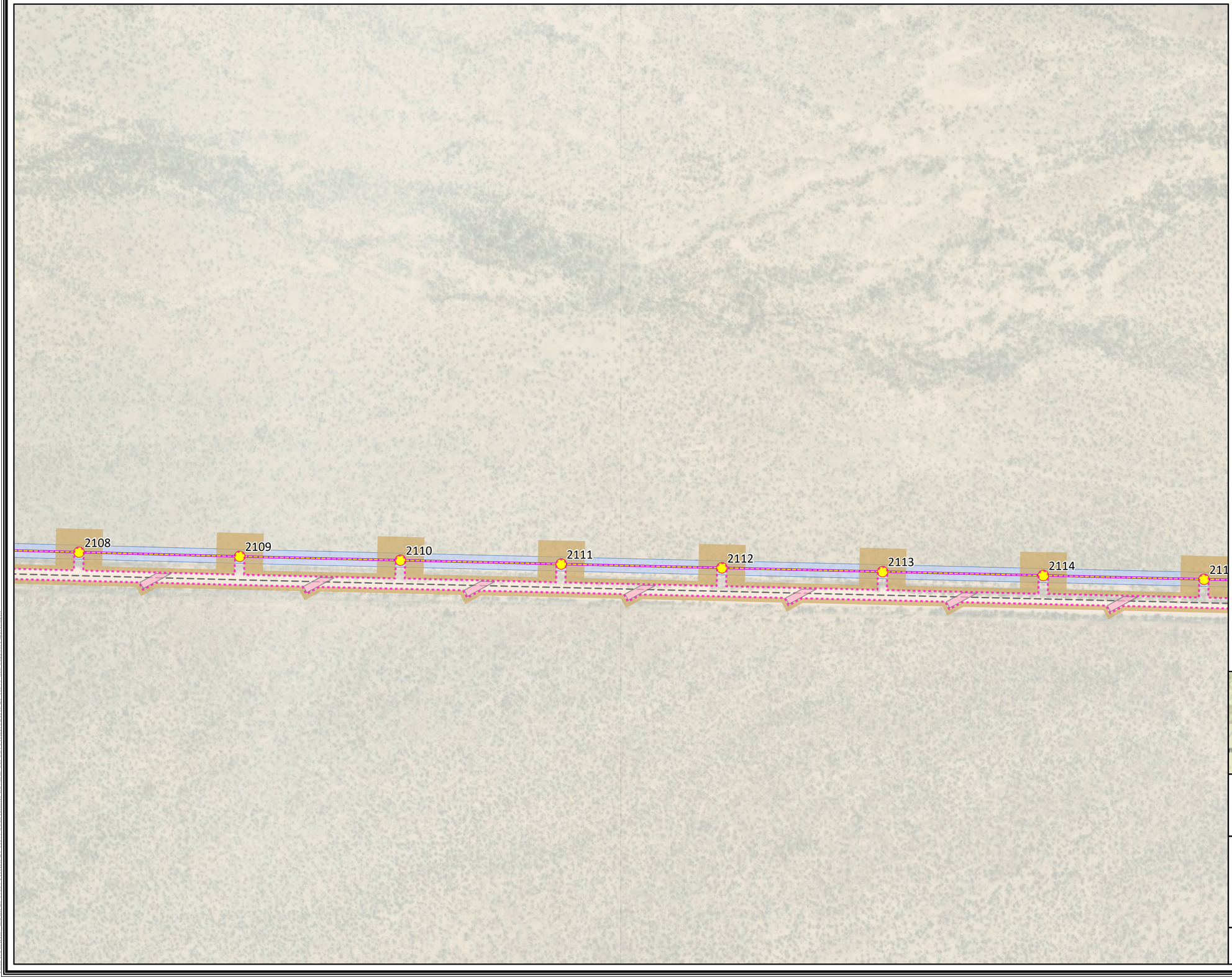


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

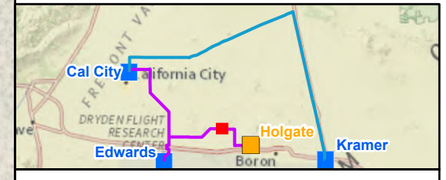
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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Cal City Substation 115 kV Upgrade Project

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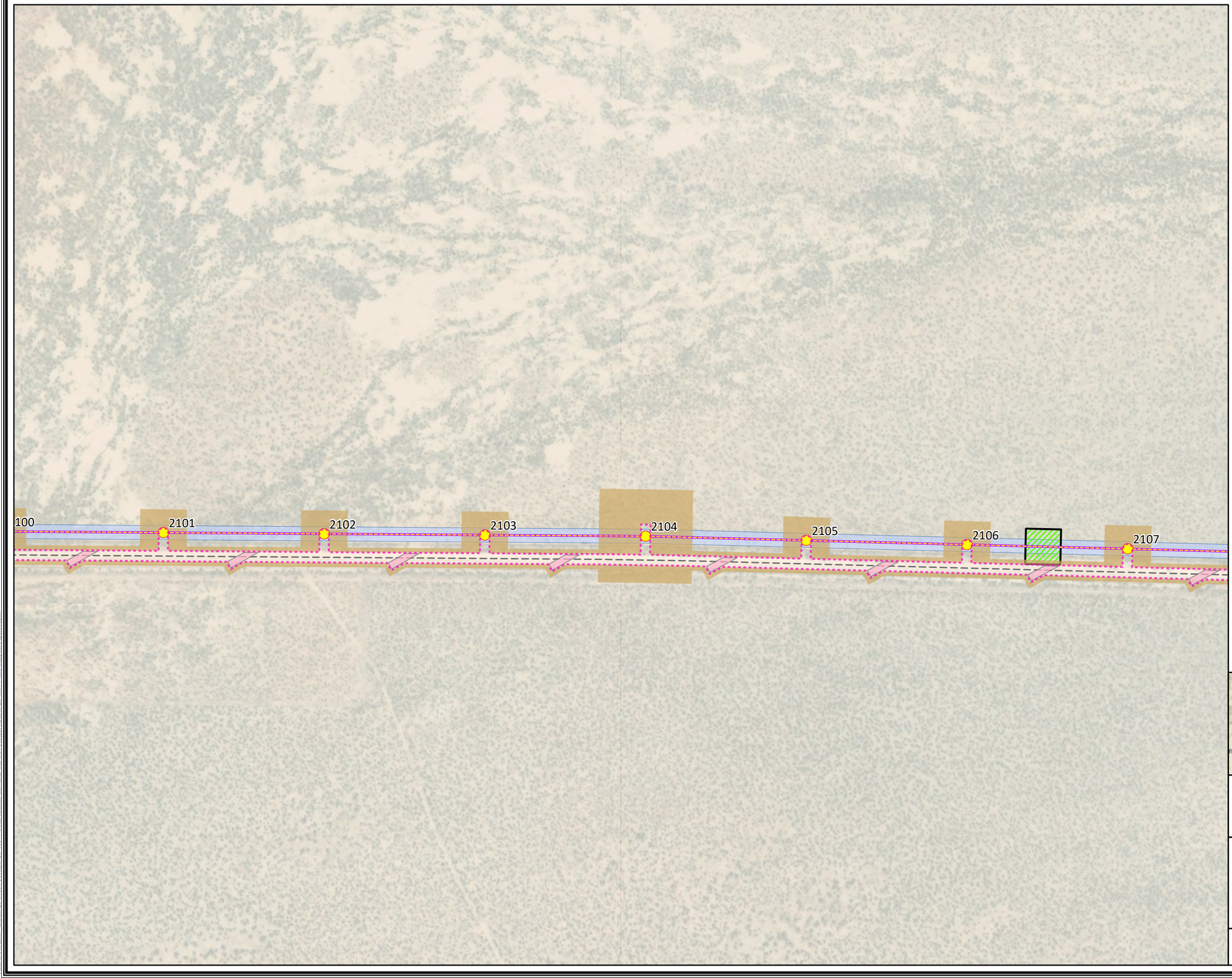

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

1:2,410

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

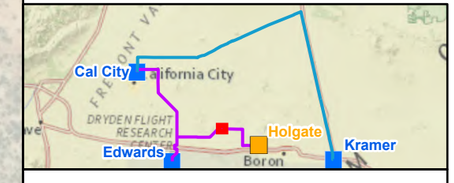
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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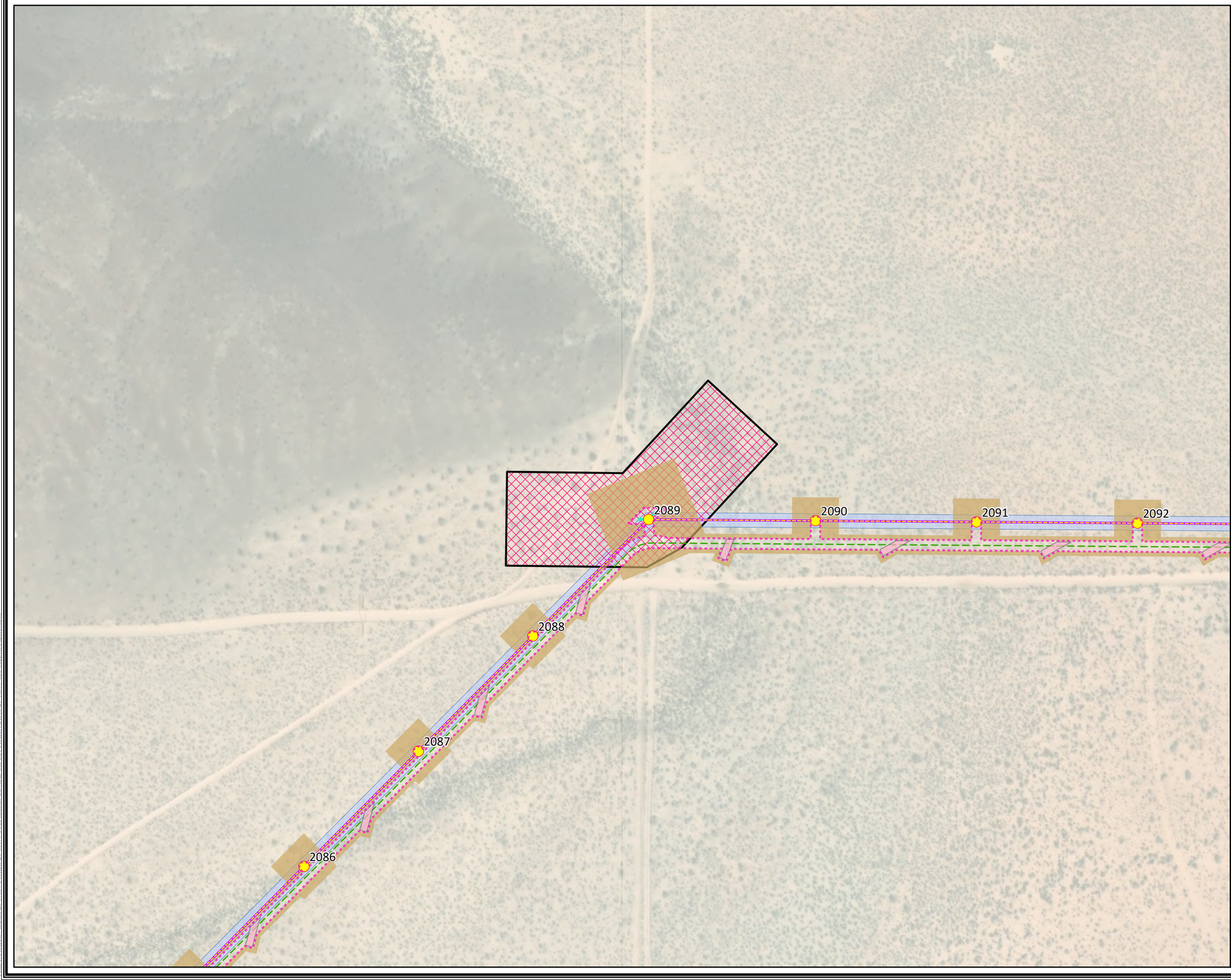
Cal City Substation 115 kV Upgrade Project

Appendix A
Page 111 of 157



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

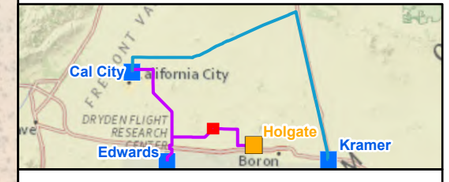
Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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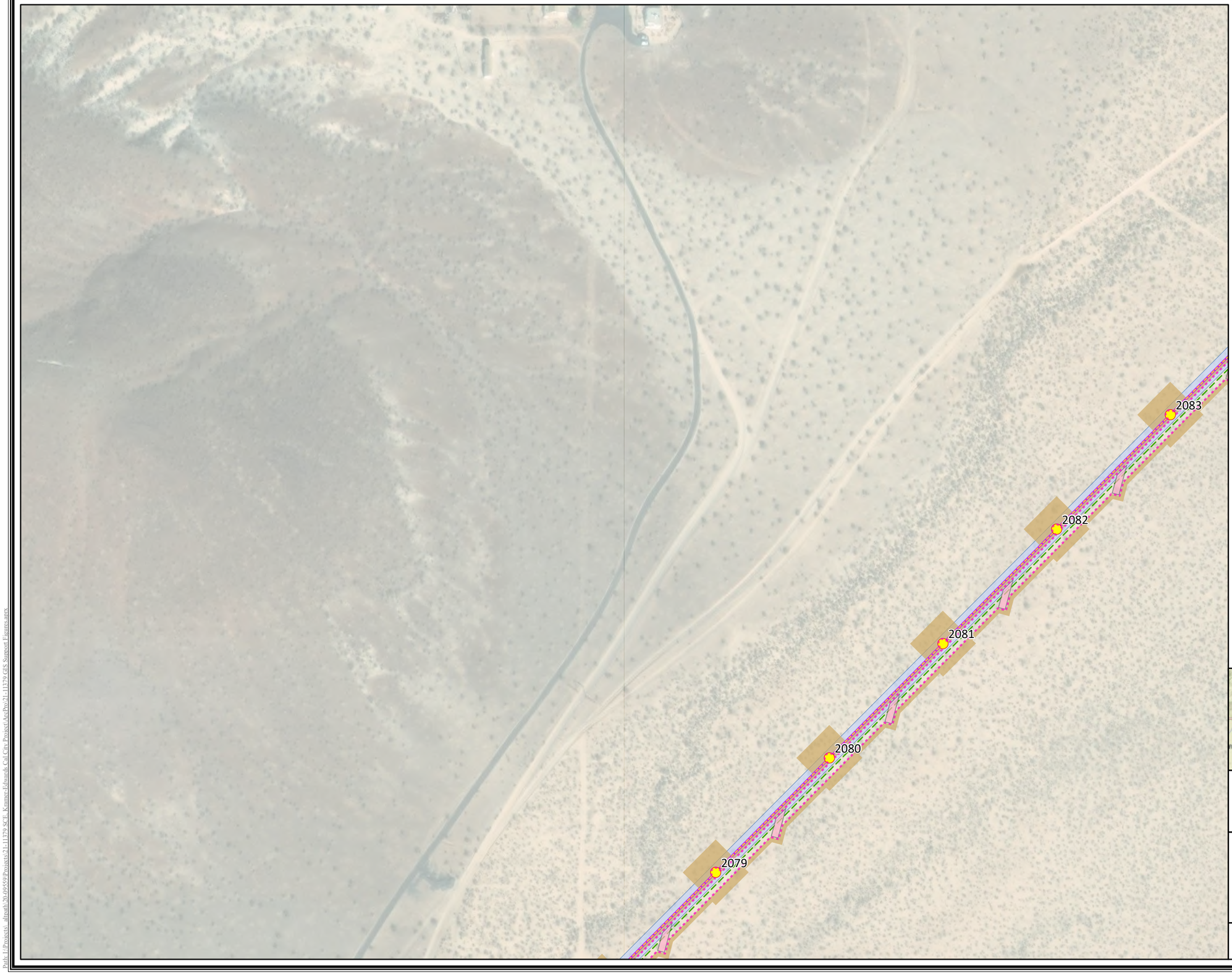


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

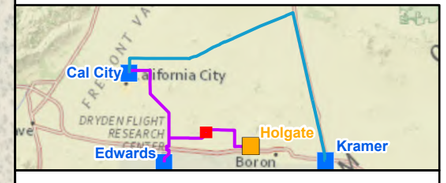
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



0 0.01 0.03 0.05 Miles

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World Imagery: County of San Bernardino, Maxar

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Cal City Substation 115 kV Upgrade Project

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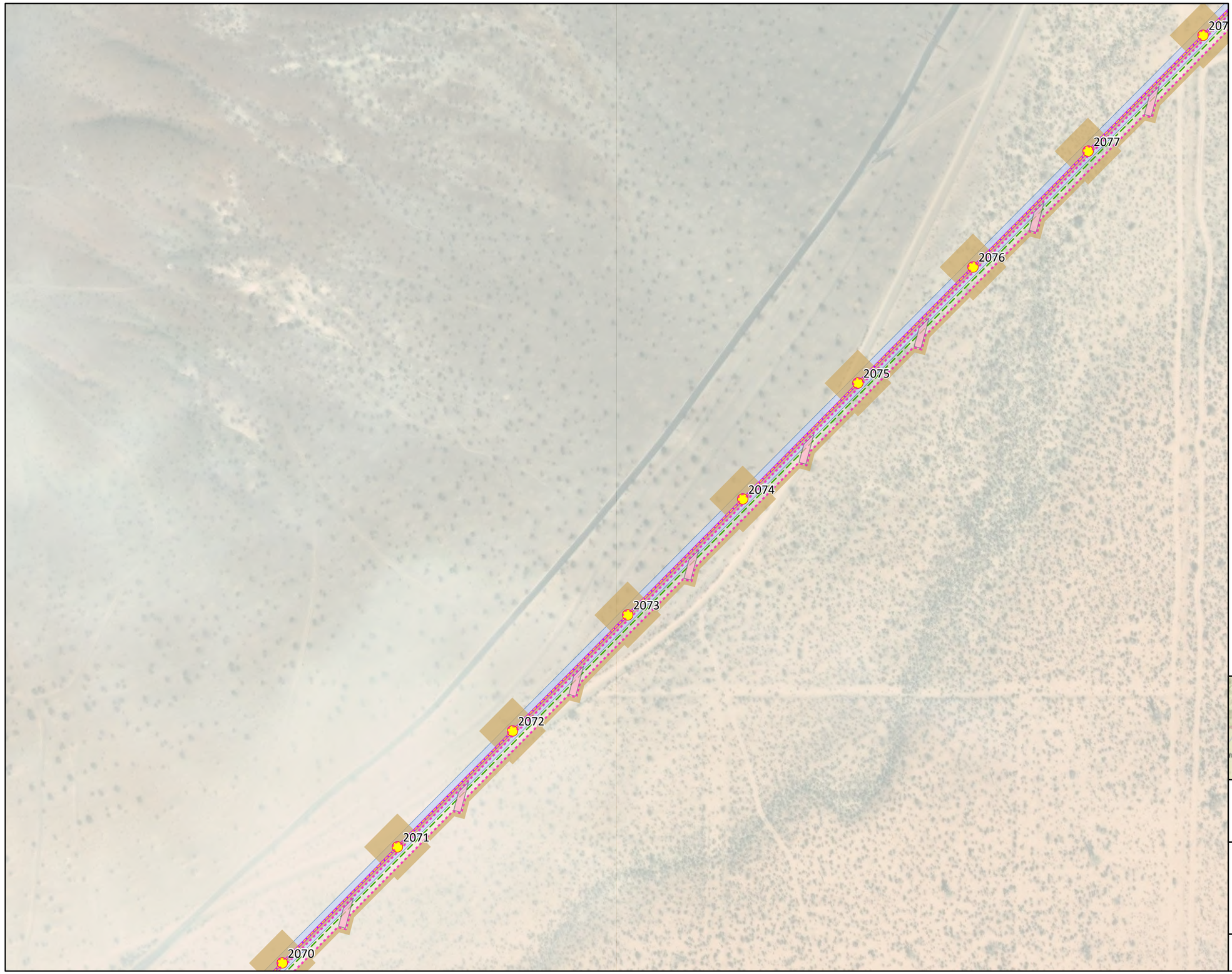


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

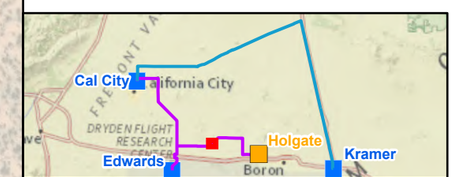
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



0 0.01 0.03 0.05 Miles

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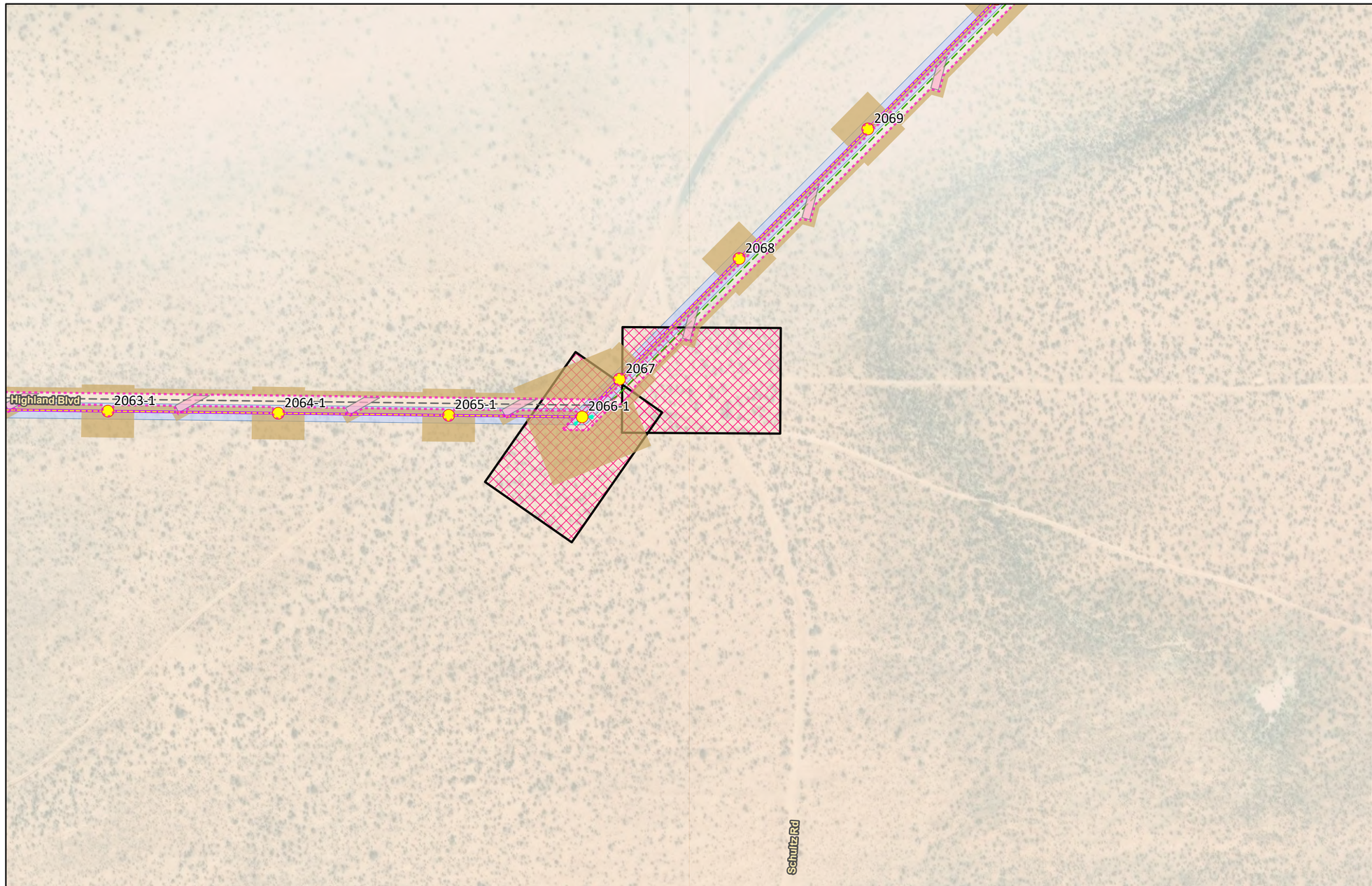

Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

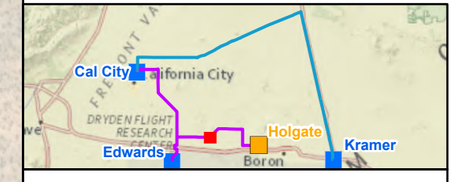
Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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World Imagery: County of San Bernardino, Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

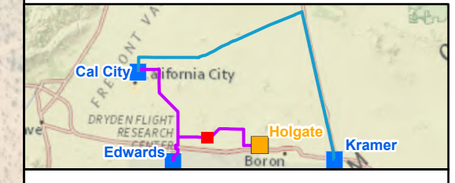
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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World Imagery: County of San Bernardino, Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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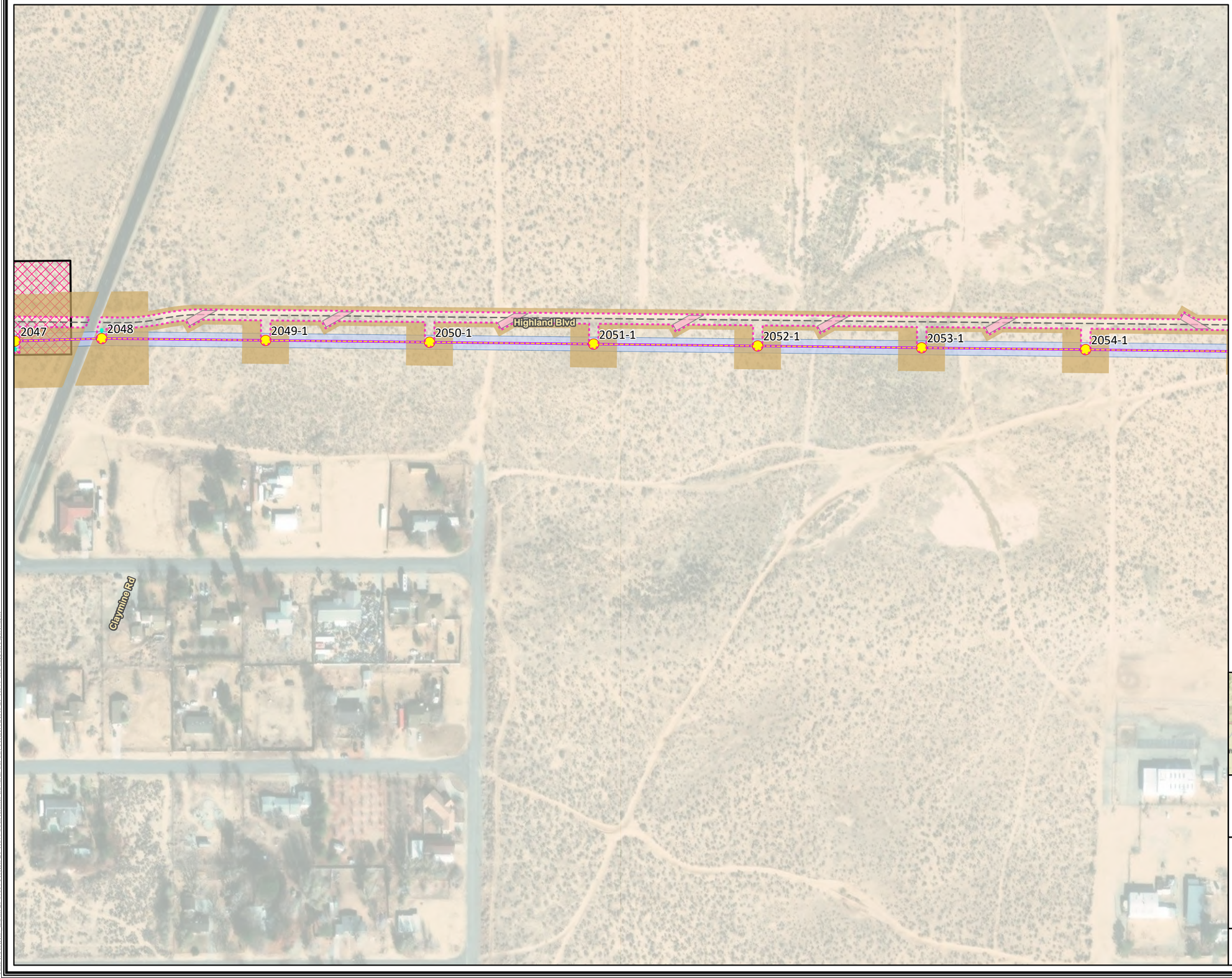


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

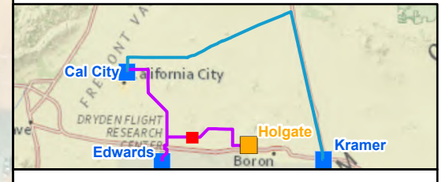
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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World Imagery: Maxar

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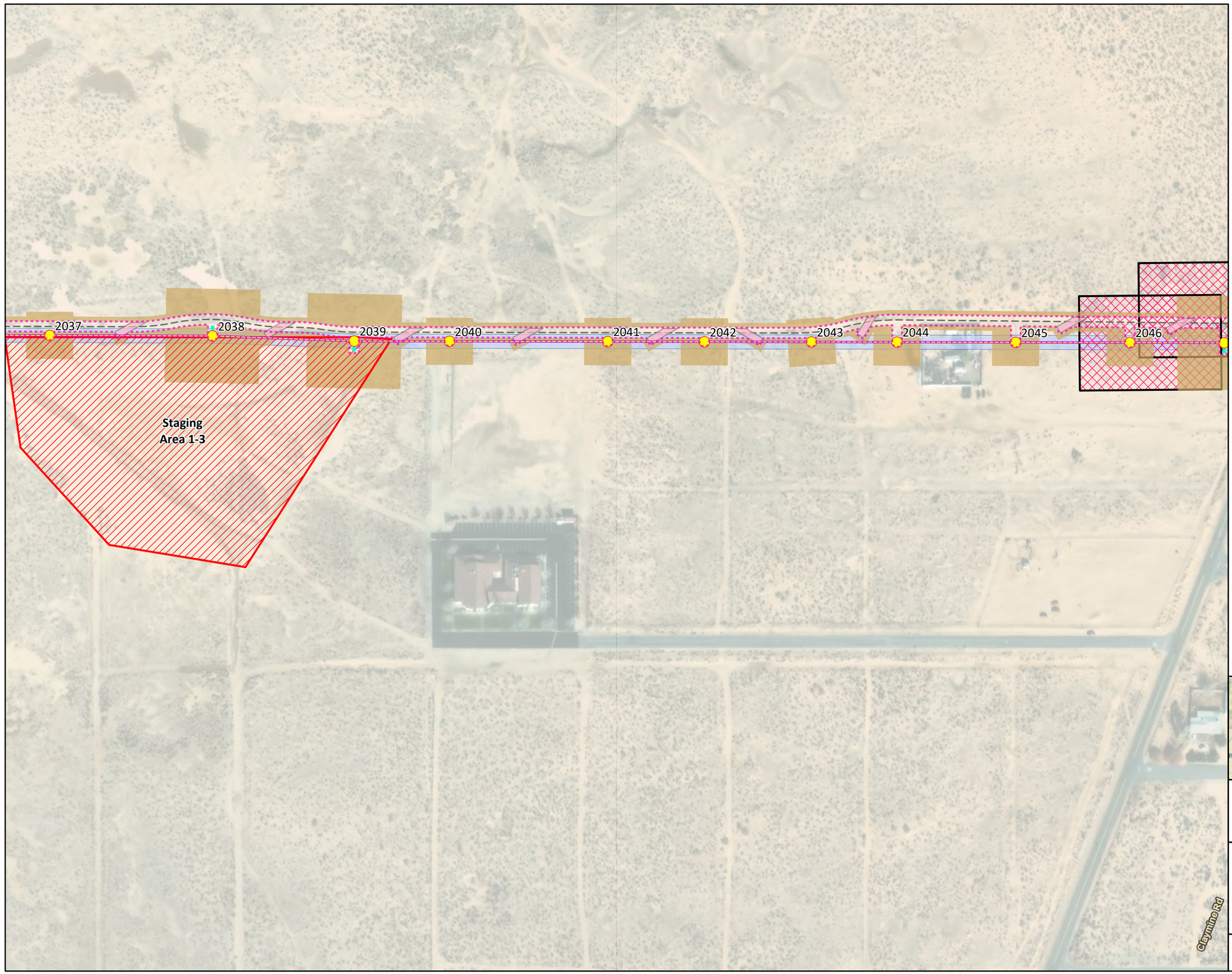


Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

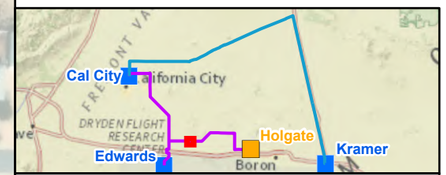
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

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Cal City Substation 115 kV Upgrade Project

Appendix A
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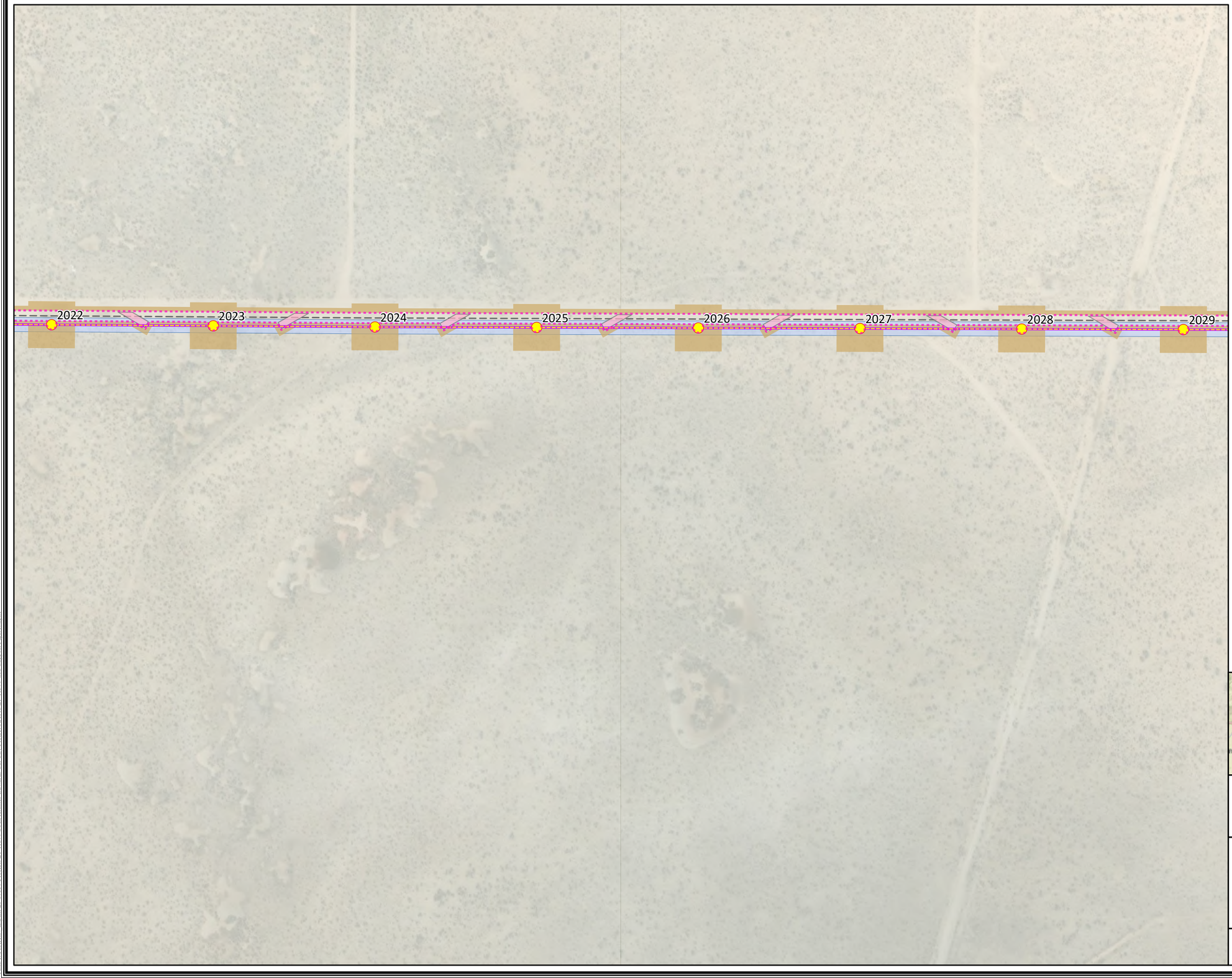


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

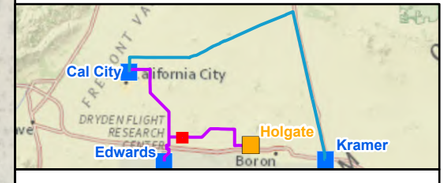
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

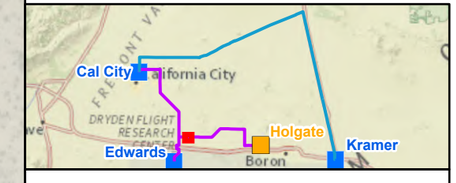
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

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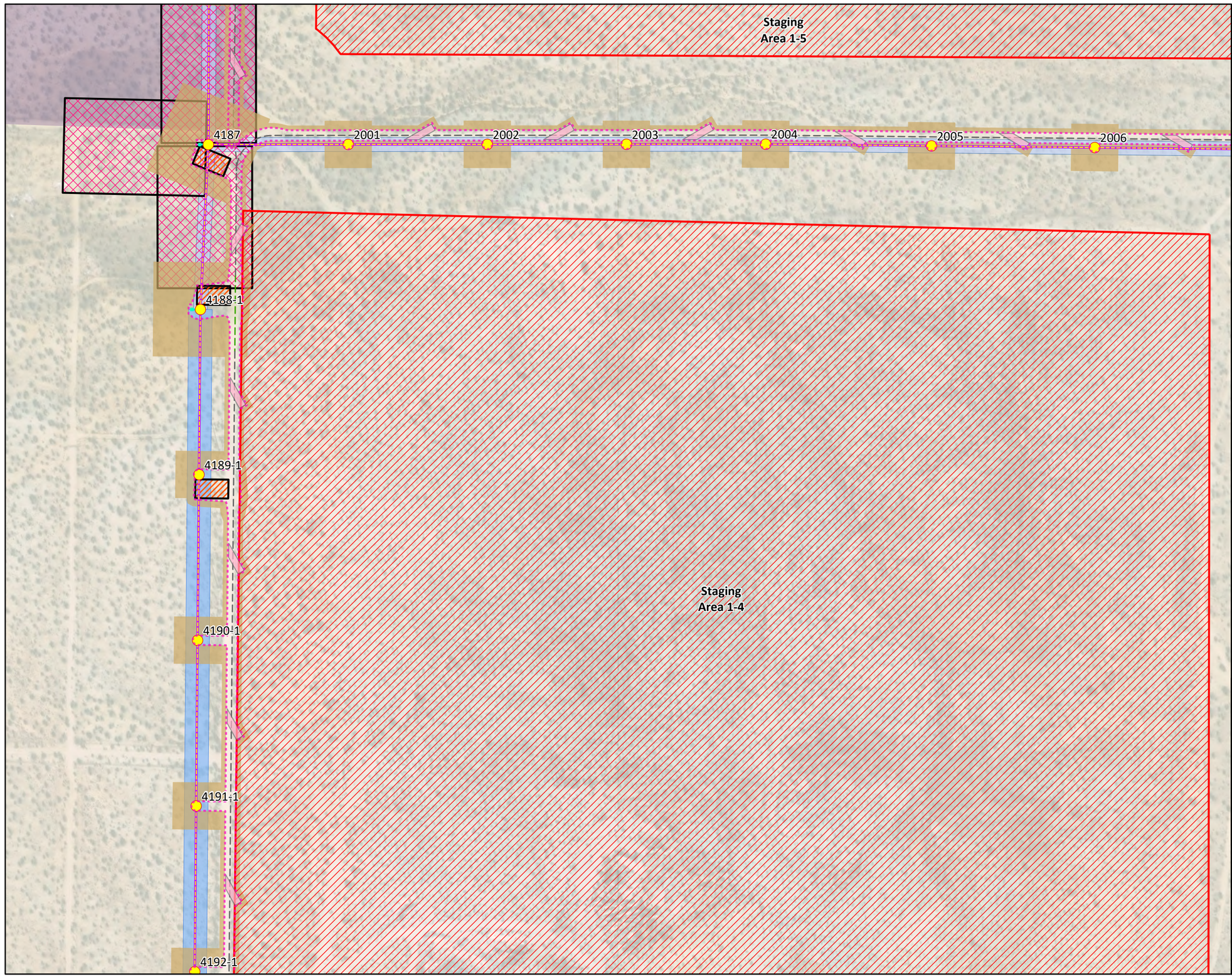

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

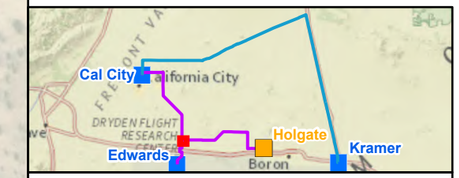
Construction Areas
- O&M Structure Pads
- Pull Site
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW
- Proposed Project - 50 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

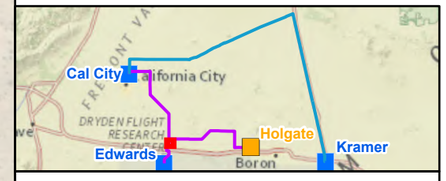
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 50 ft ROW



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Cal City Substation 115 kV Upgrade Project

Appendix A
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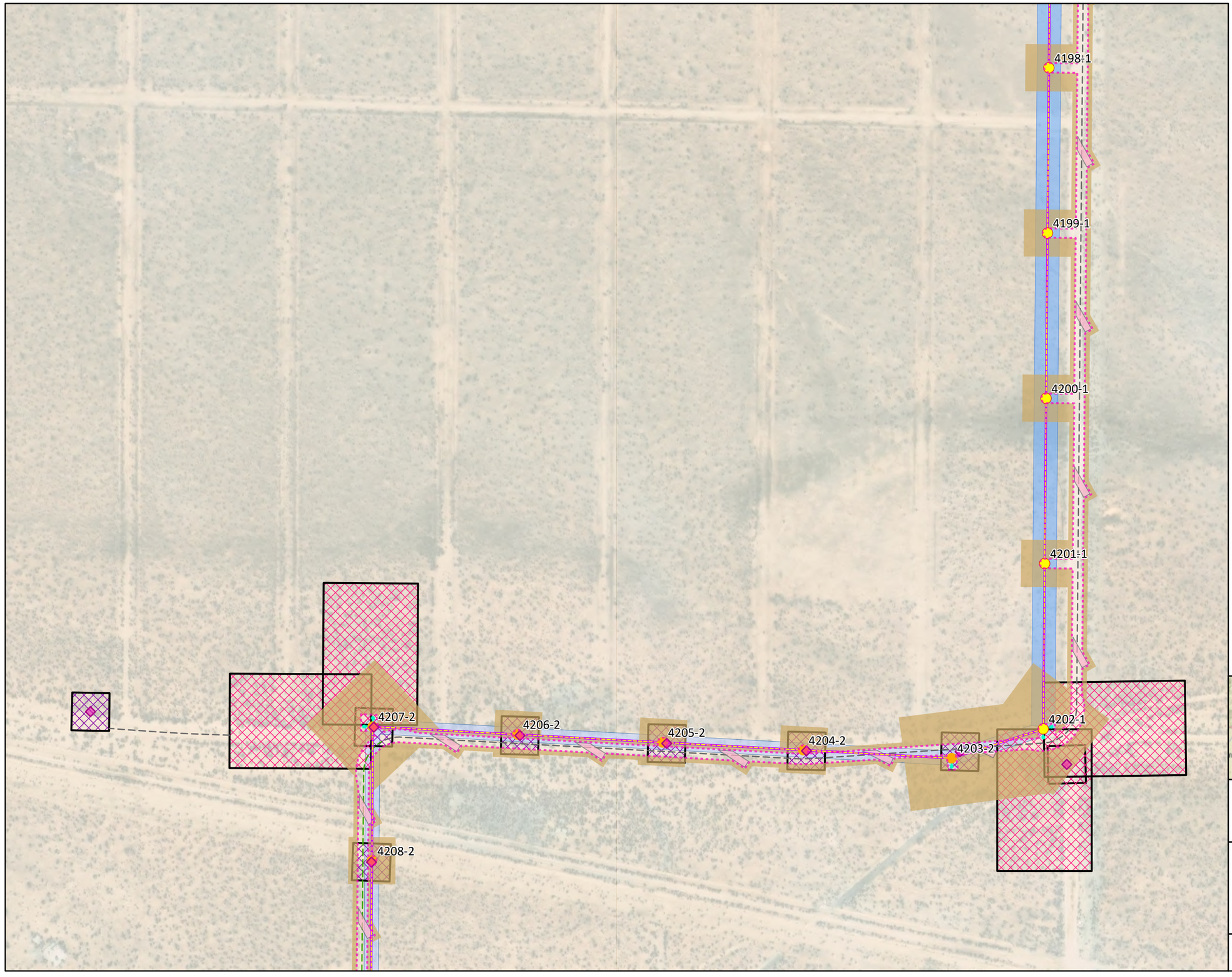

Subtransmission Structures
- New, LWS
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW
- Proposed Project - 50 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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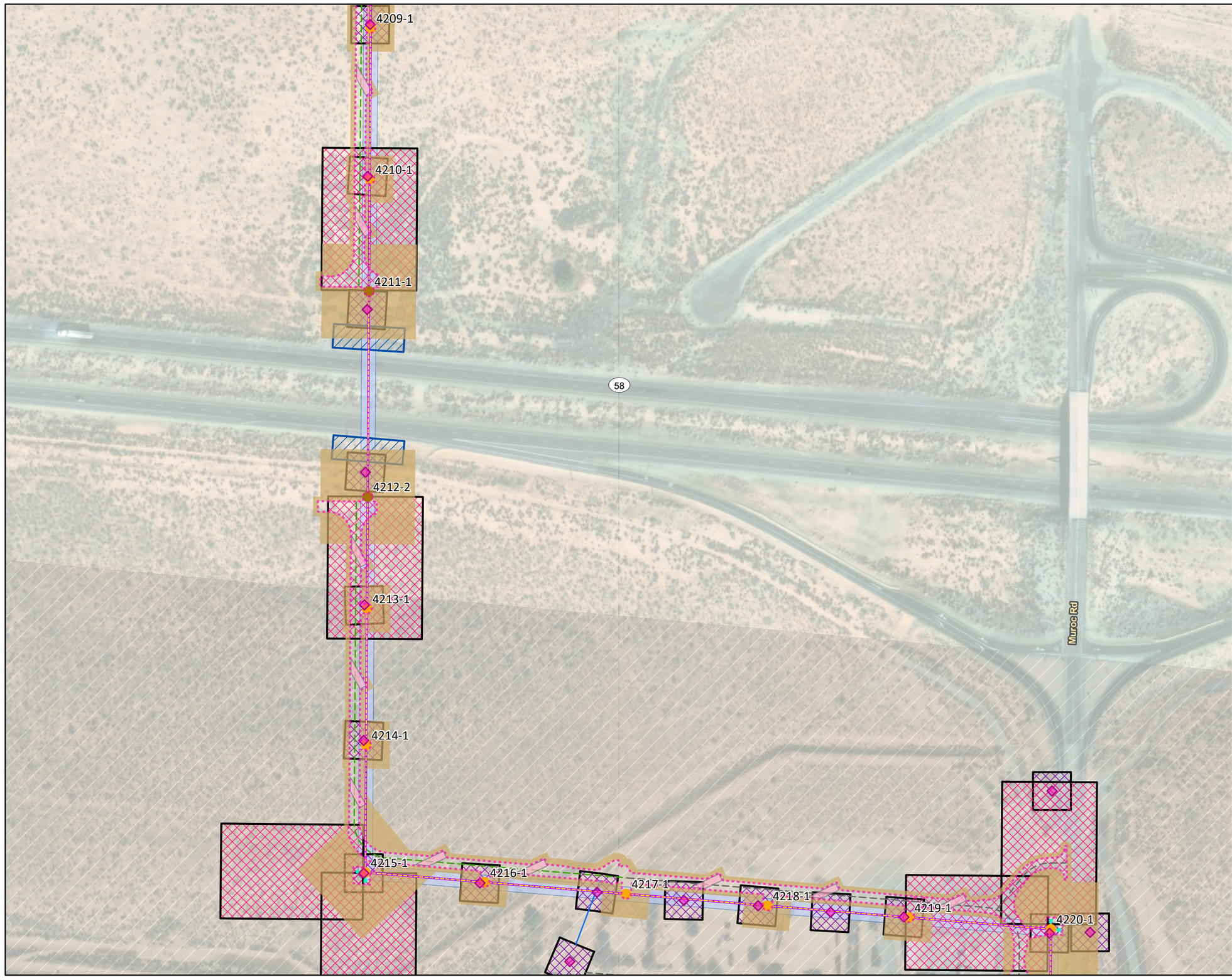

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS, Distribution Underbuild
- New, TSP, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road
- Overland Travel Path

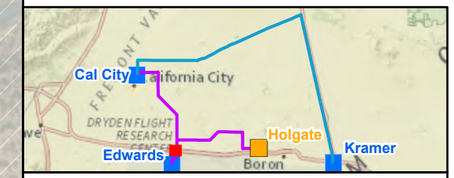
Construction Areas
- Guard Structure Site
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Edwards Air Force Base

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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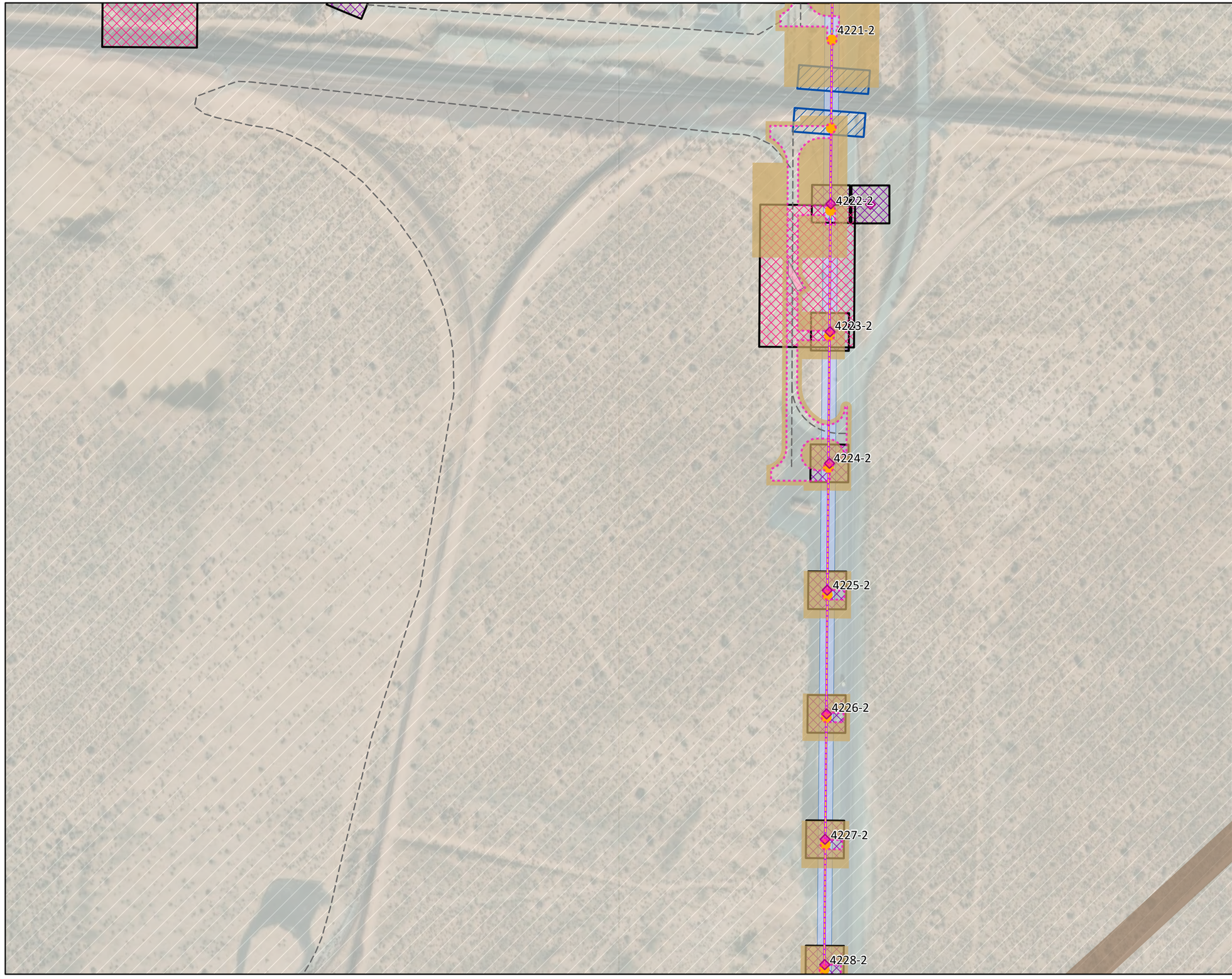

Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Guard Structure Site
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Edwards Air Force Base

*Existing ROW is based on best available information but has not been formally land surveyed at this time.

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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

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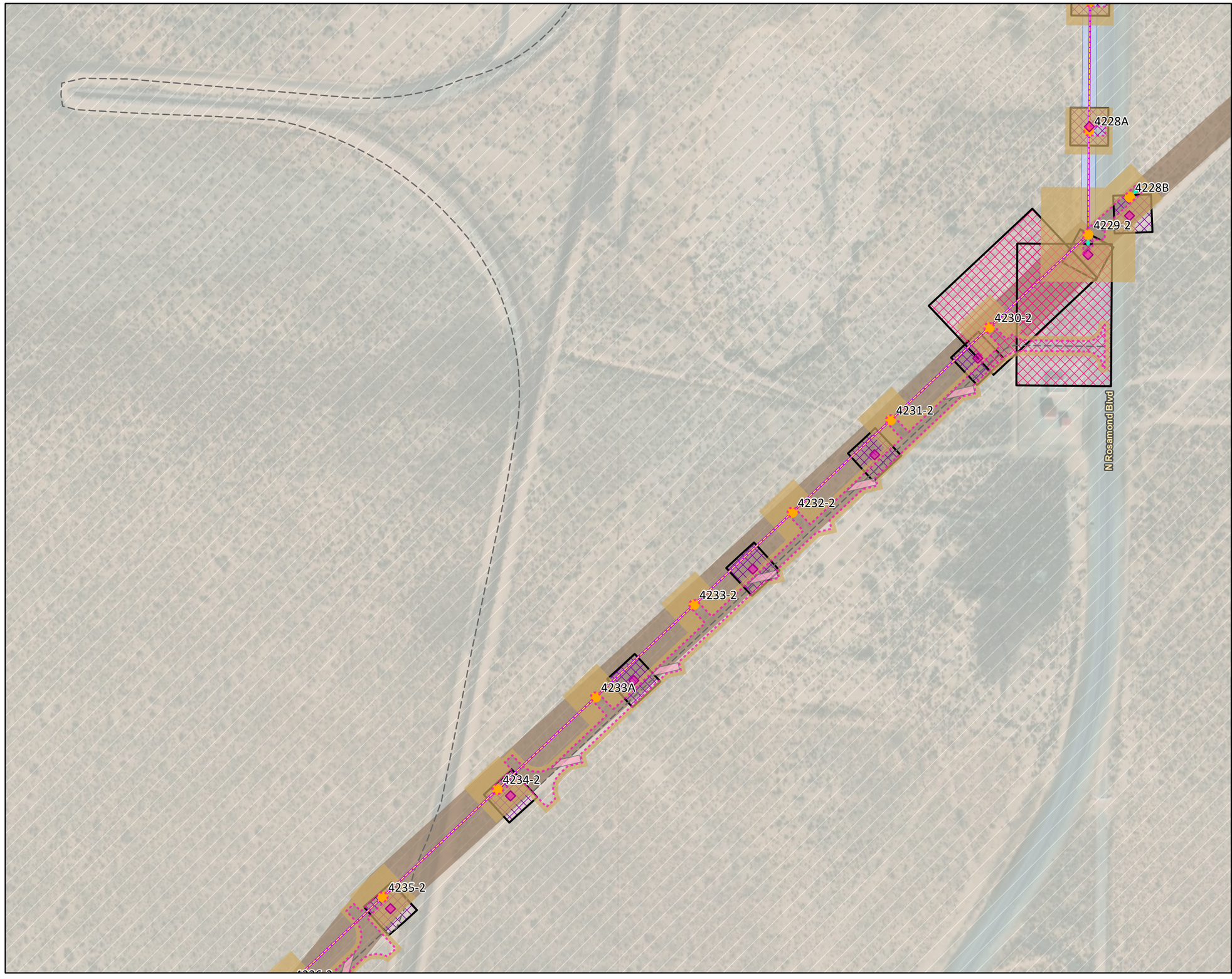


Subtransmission Structures
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

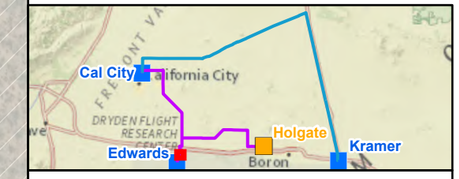
Construction Areas
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Edwards Air Force Base

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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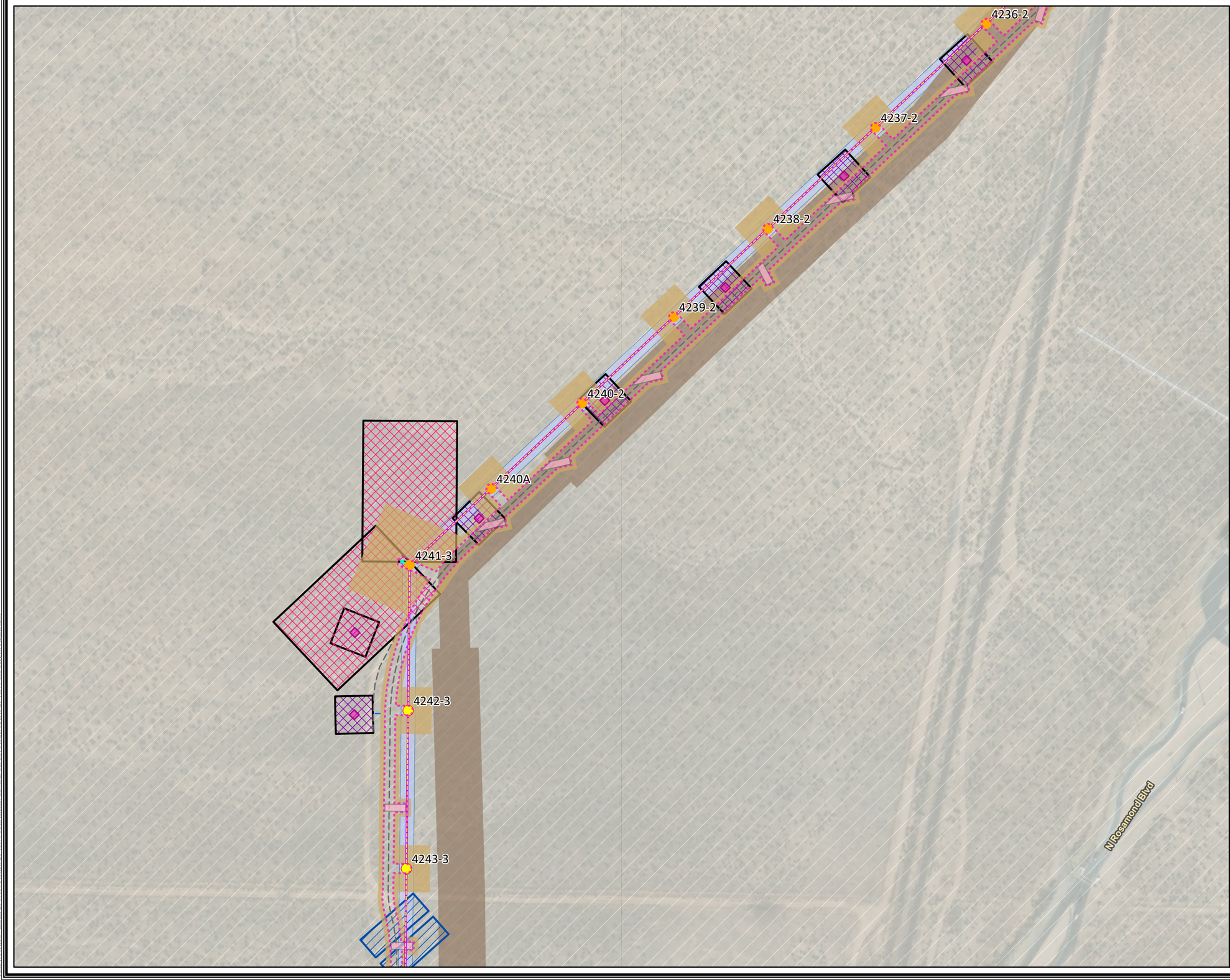


Cal City Substation 115 kV Upgrade Project

Appendix A
Page 128 of 157

Subtransmission Structures
- New, LWS
- New, LWS, Distribution Underbuild

Distribution Structures
- Existing Wood Pole - Remove

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road
- Overland Travel Path

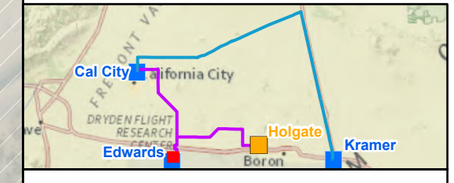
Construction Areas
- Guard Structure Site
- Pull Site
- Structure Work Area

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Edwards Air Force Base

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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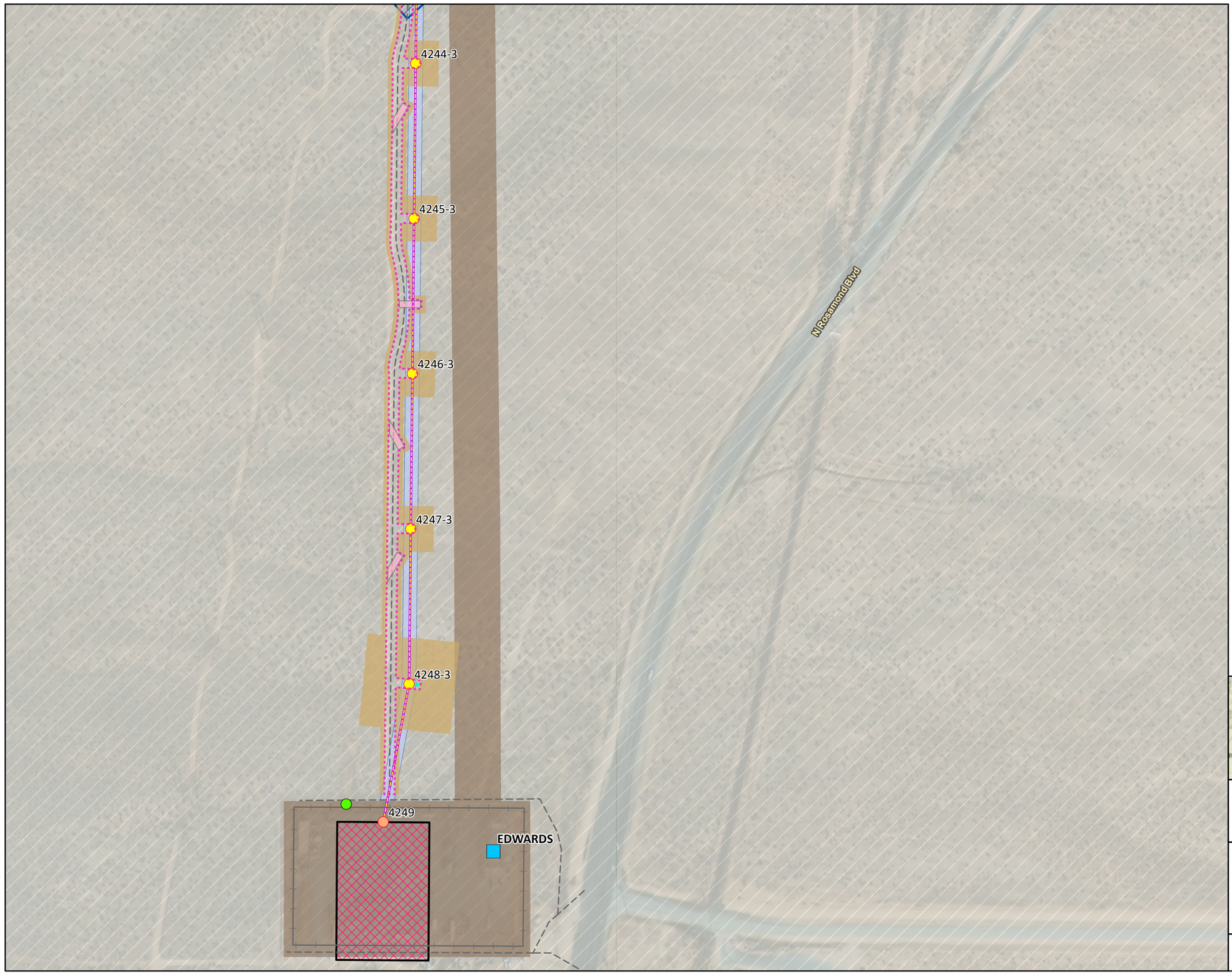


Cal City Substation 115 kV Upgrade Project

Appendix A
Page 129 of 157

Existing Substation

Subtransmission Structures
- New, LWS
- New, TSP

Telecommunication Structure
- New, Manhole

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Substation Facility Area
- Existing

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

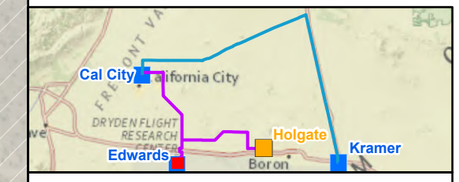
Construction Areas
- Guard Structure Site
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- *Existing ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Edwards Air Force Base

*Existing ROW is based on best available information but has not been formally land surveyed at this time.



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Cal City Substation 115 kV Upgrade Project

Appendix A
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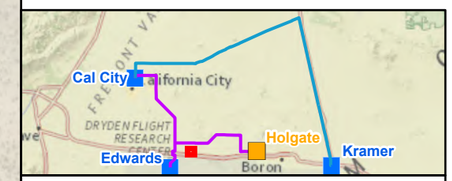
Staging Area



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Cal City Substation 115 kV Upgrade Project

Appendix A
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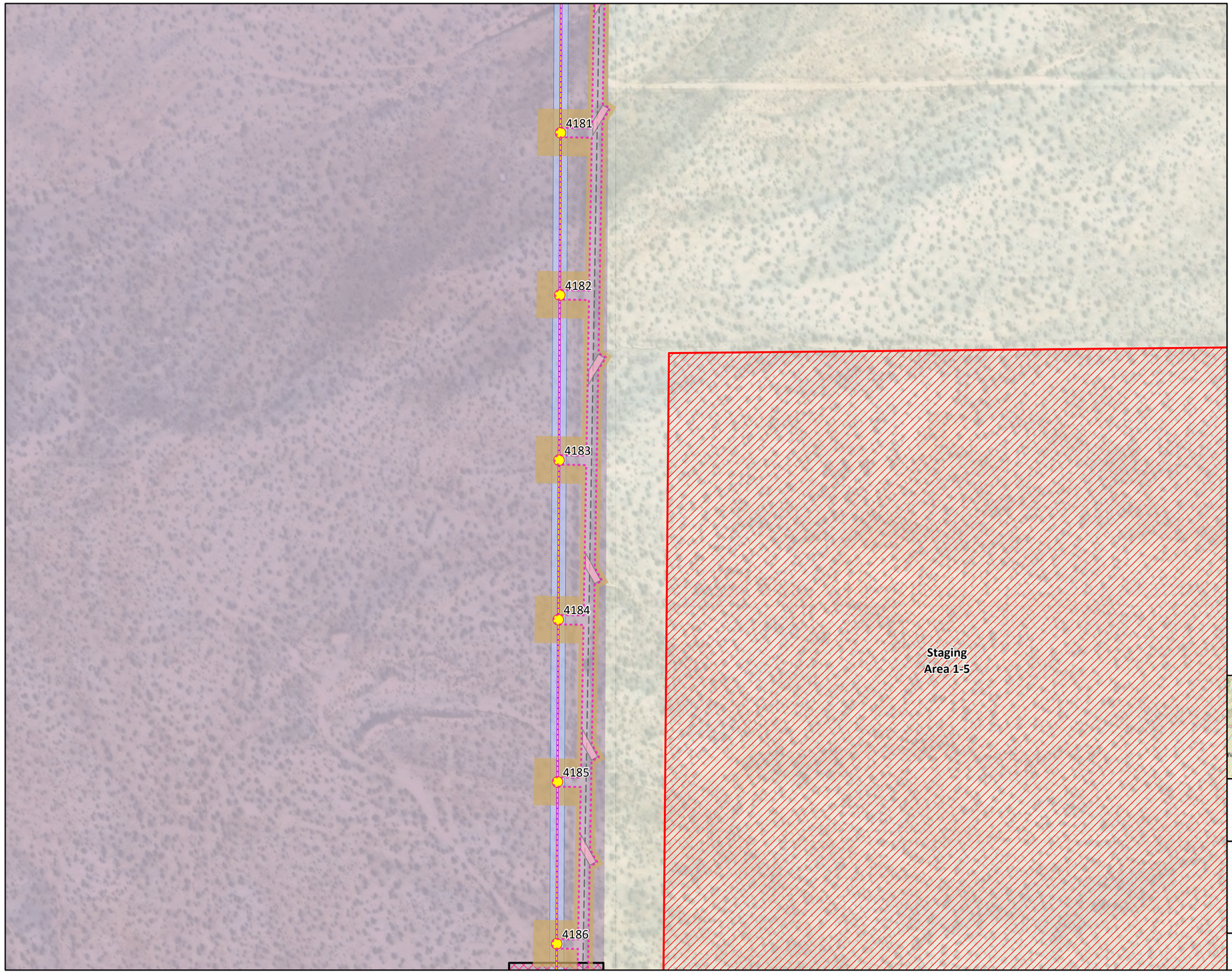


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

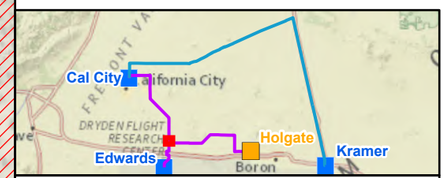
Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Staging Area

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management



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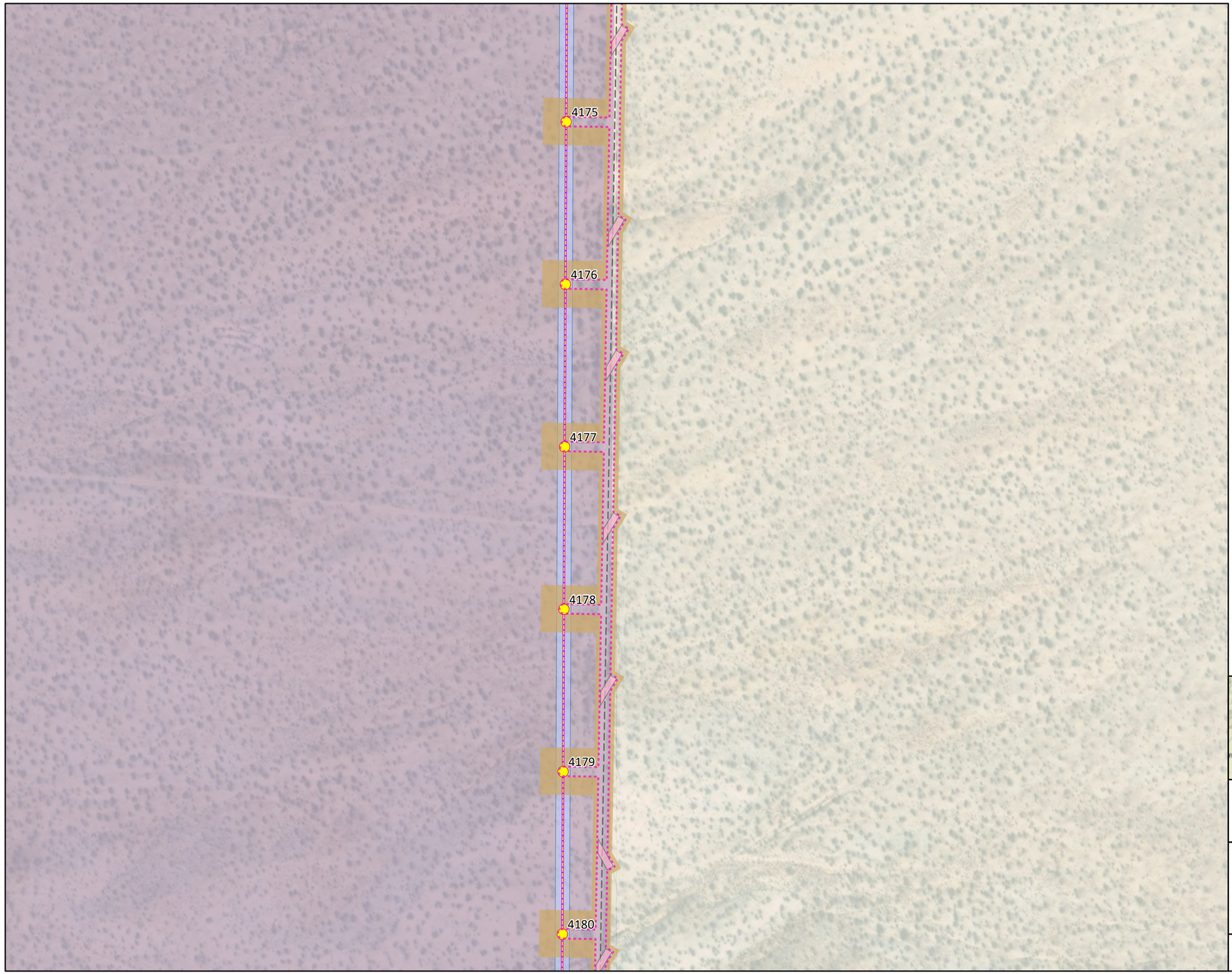


Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

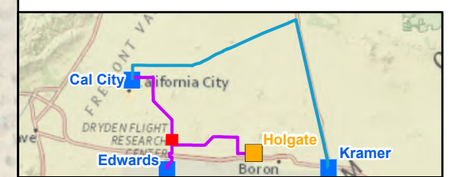
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management



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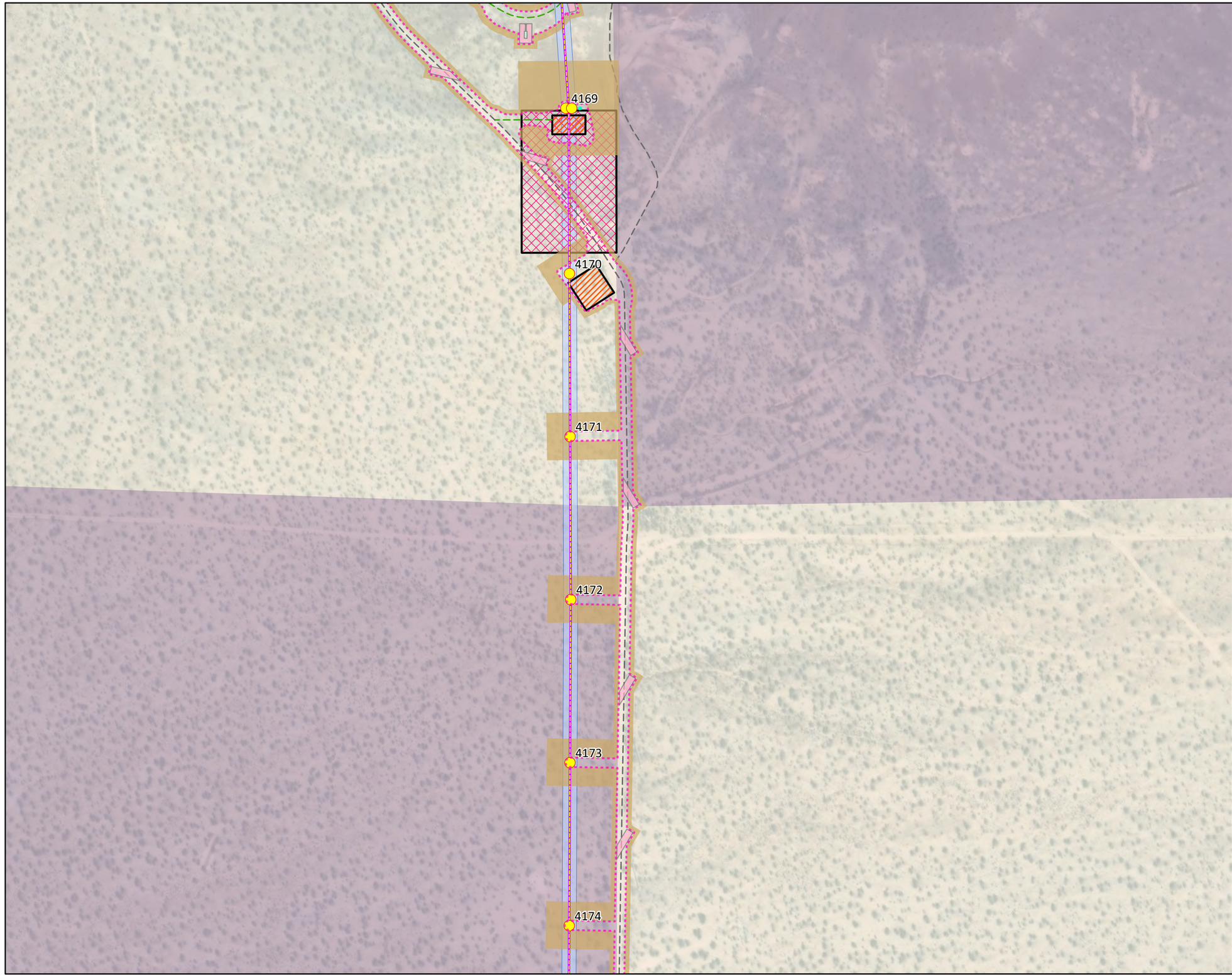

Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Gabion Basket
- McCarthy Drain Single
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- O&M Structure Pads
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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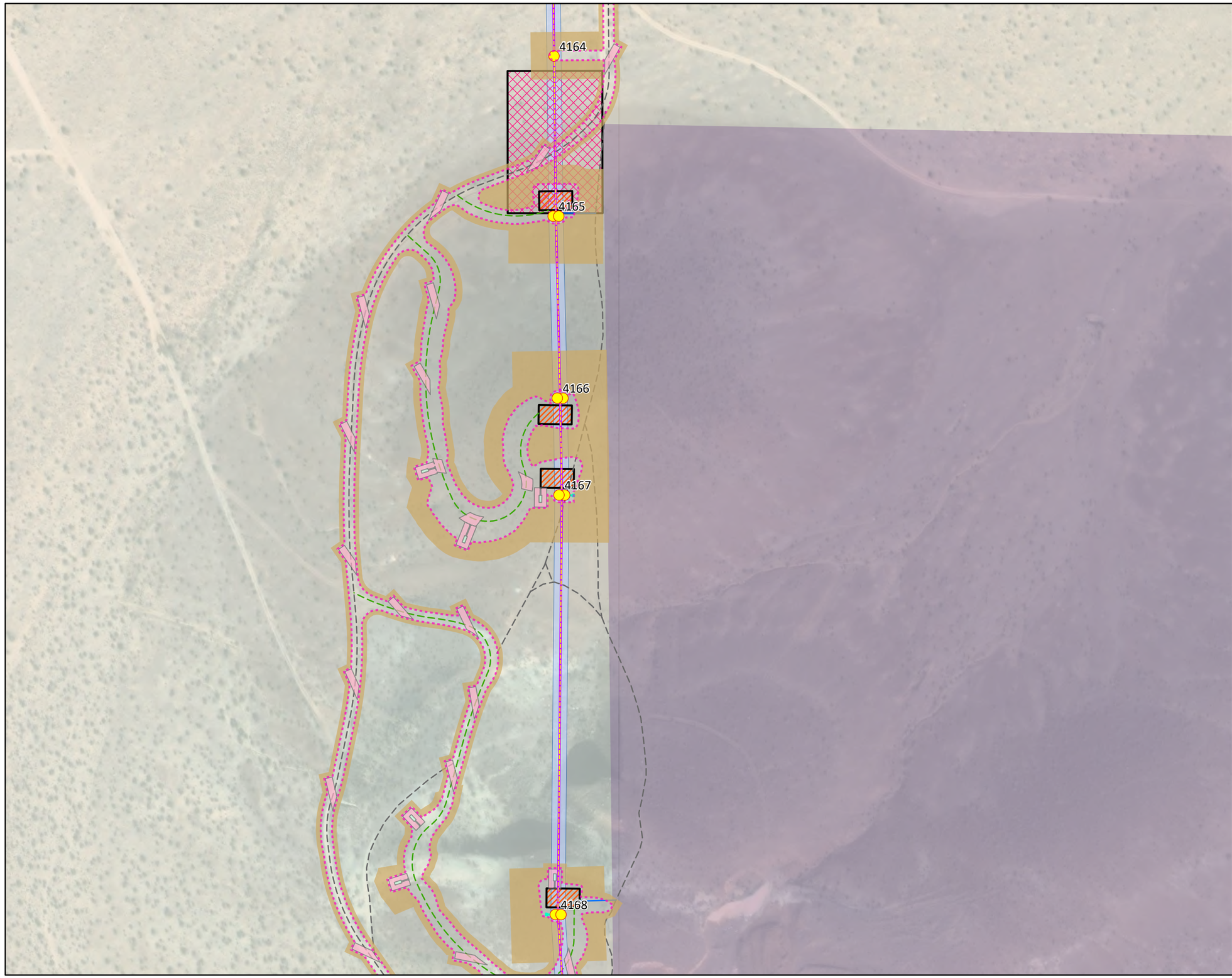


Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Gabion Basket
- McCarthy Drain Single
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road
- Overland Travel Path

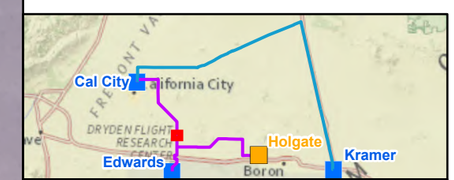
Construction Areas
- O&M Structure Pads
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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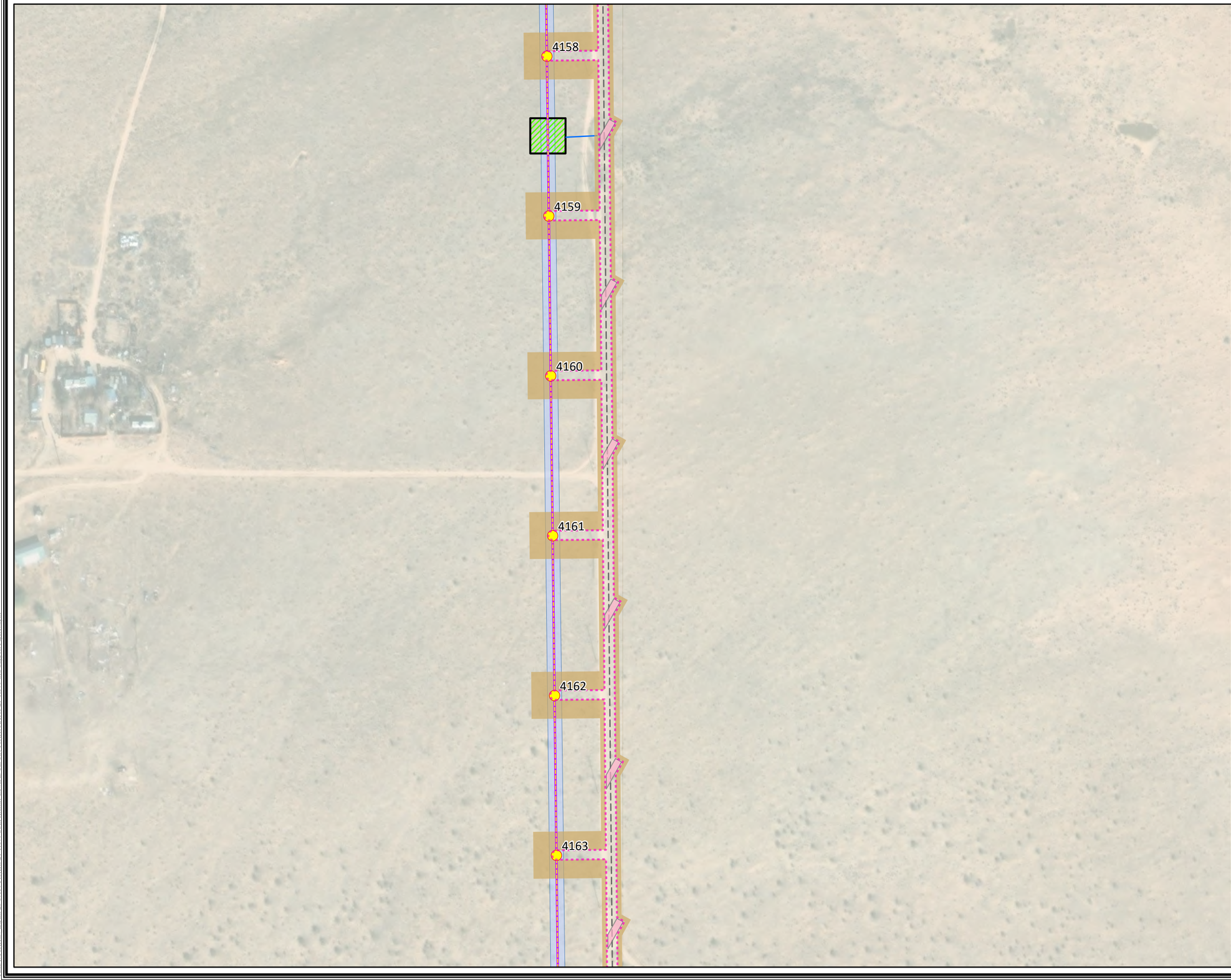


Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

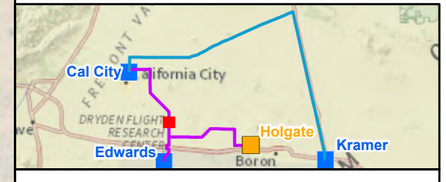
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road
- Overland Travel Path

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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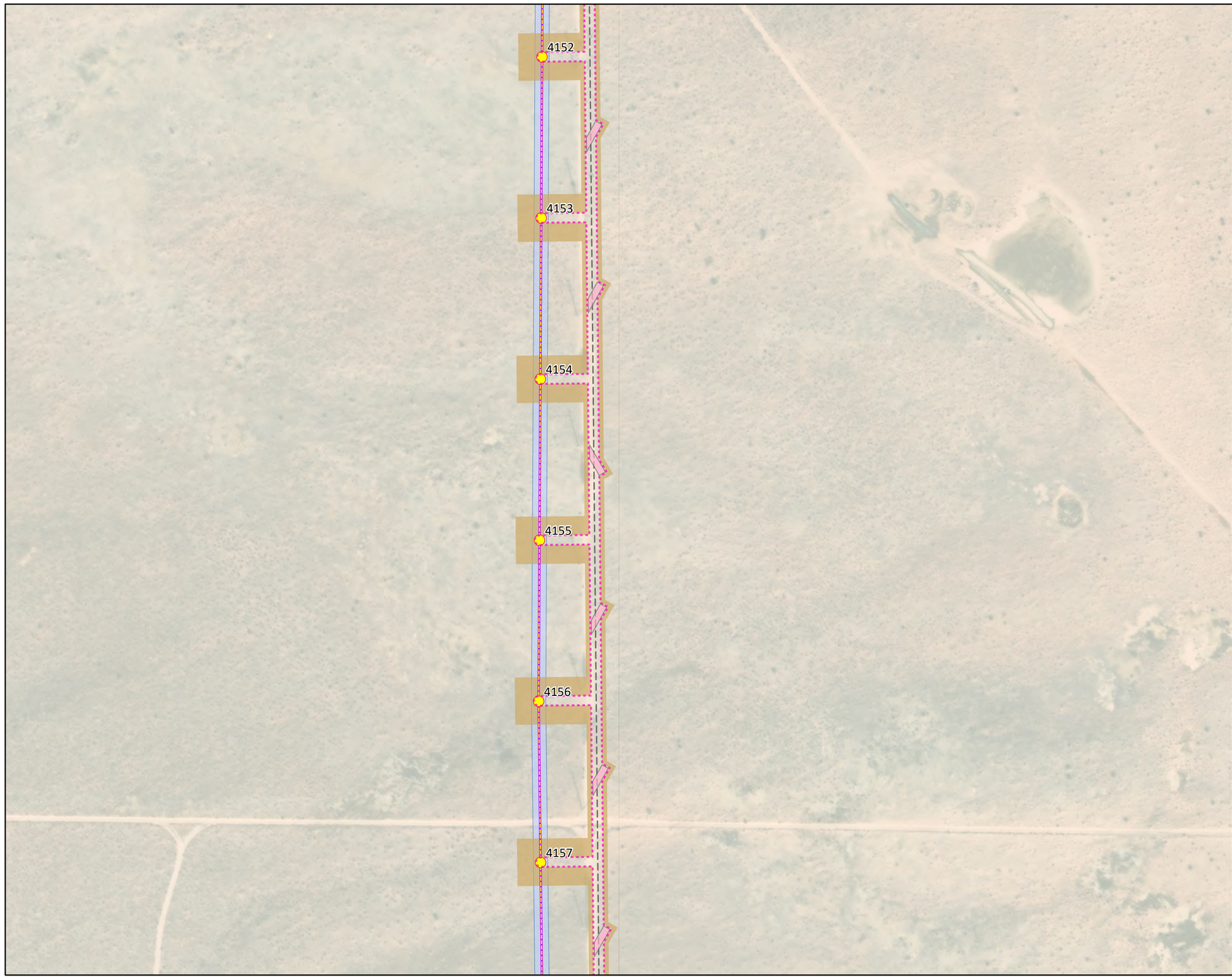


Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

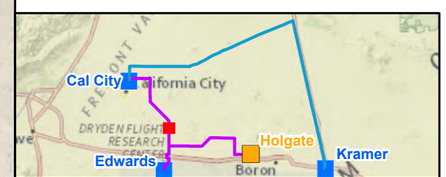
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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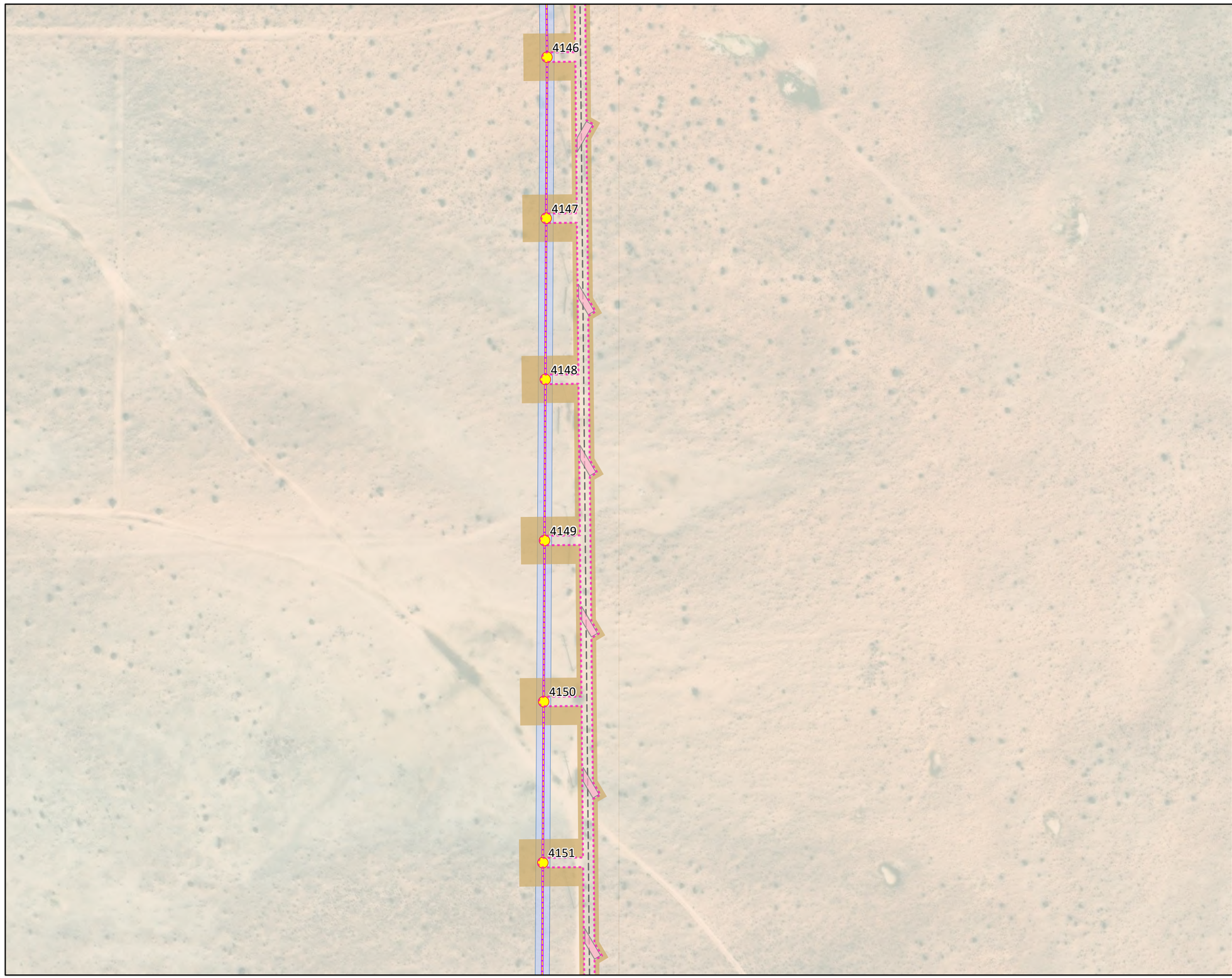

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

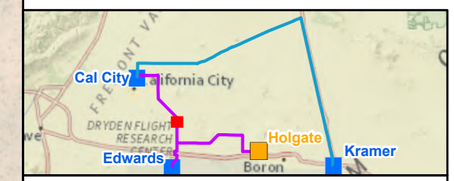
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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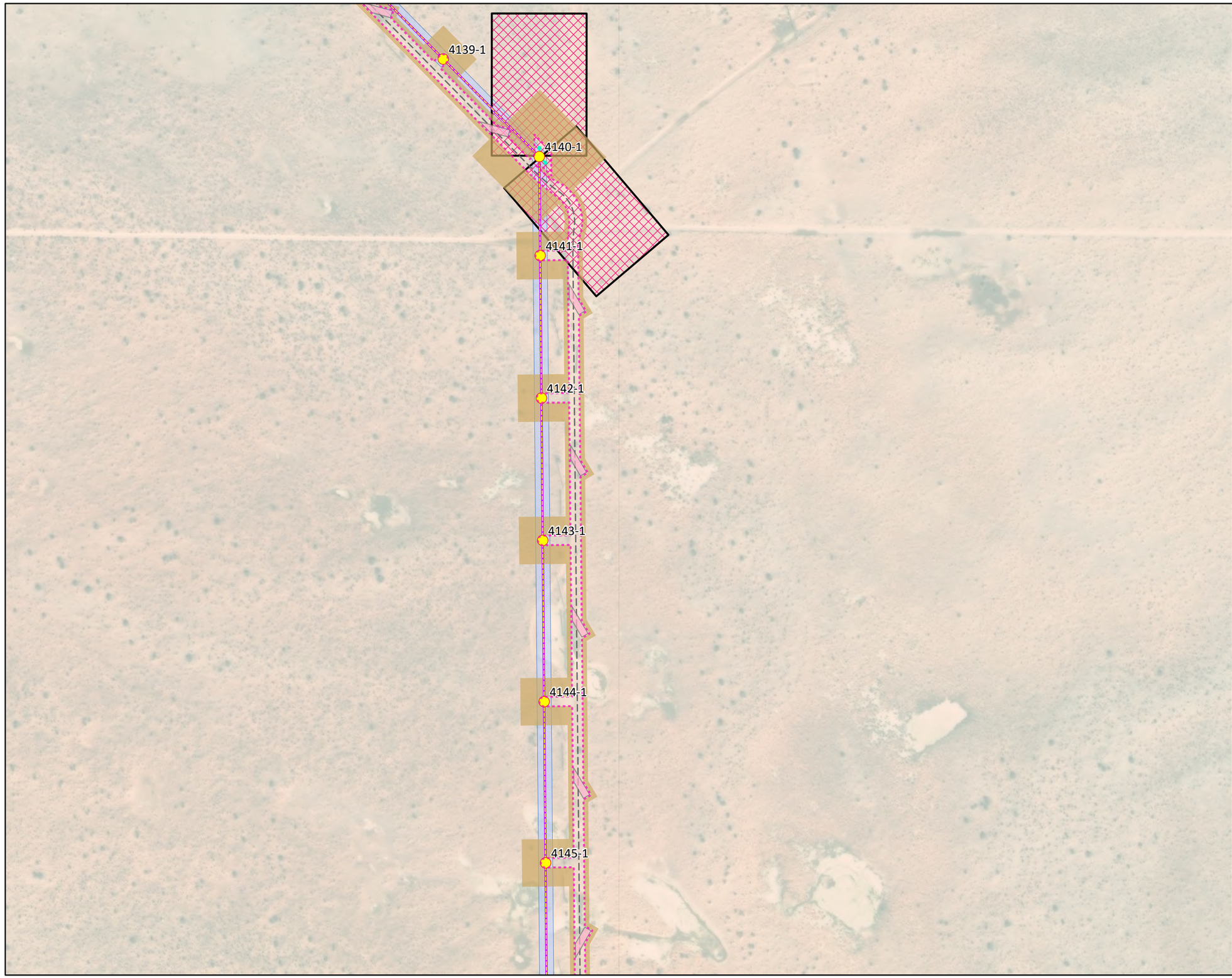

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

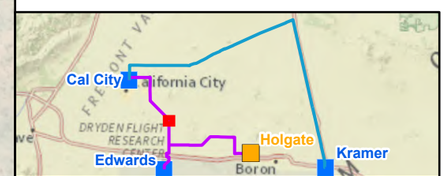
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

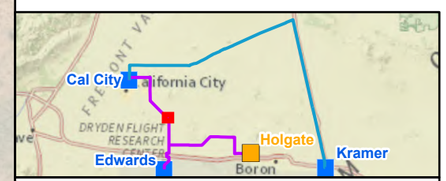
Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

Appendix A
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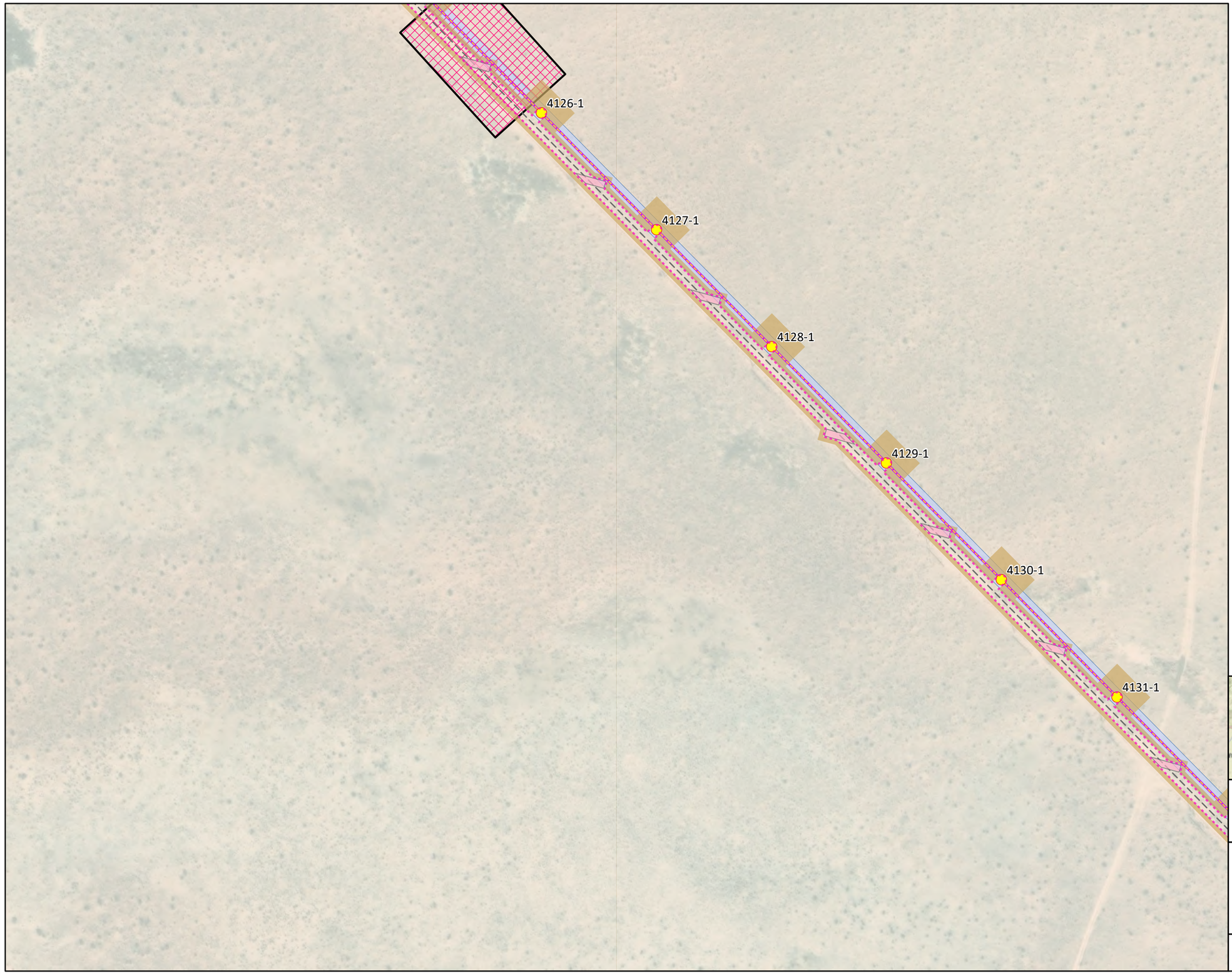


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

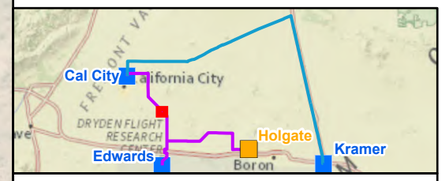
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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World Imagery: Maxar

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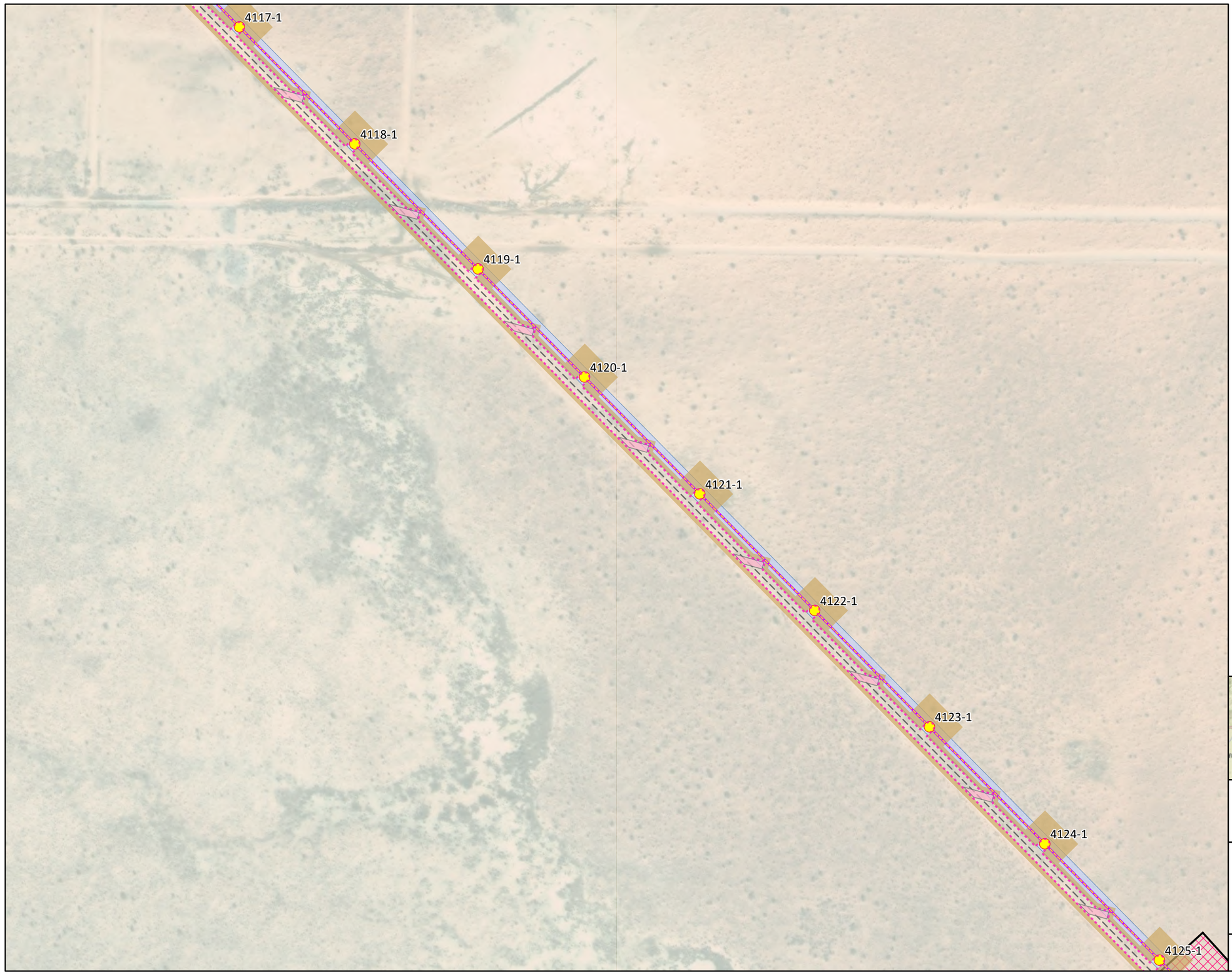

Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

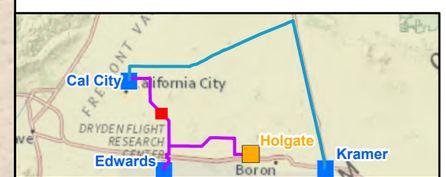
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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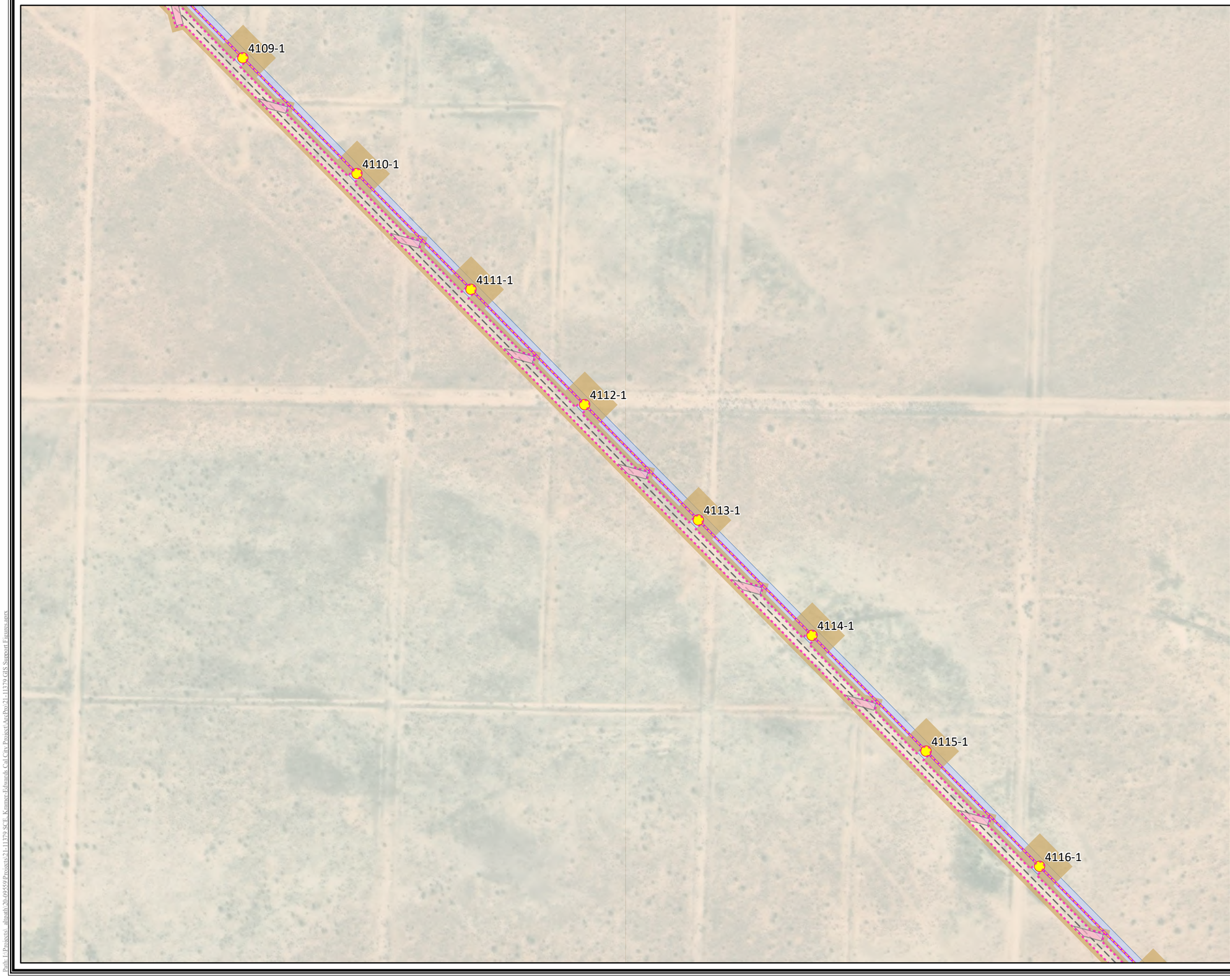

Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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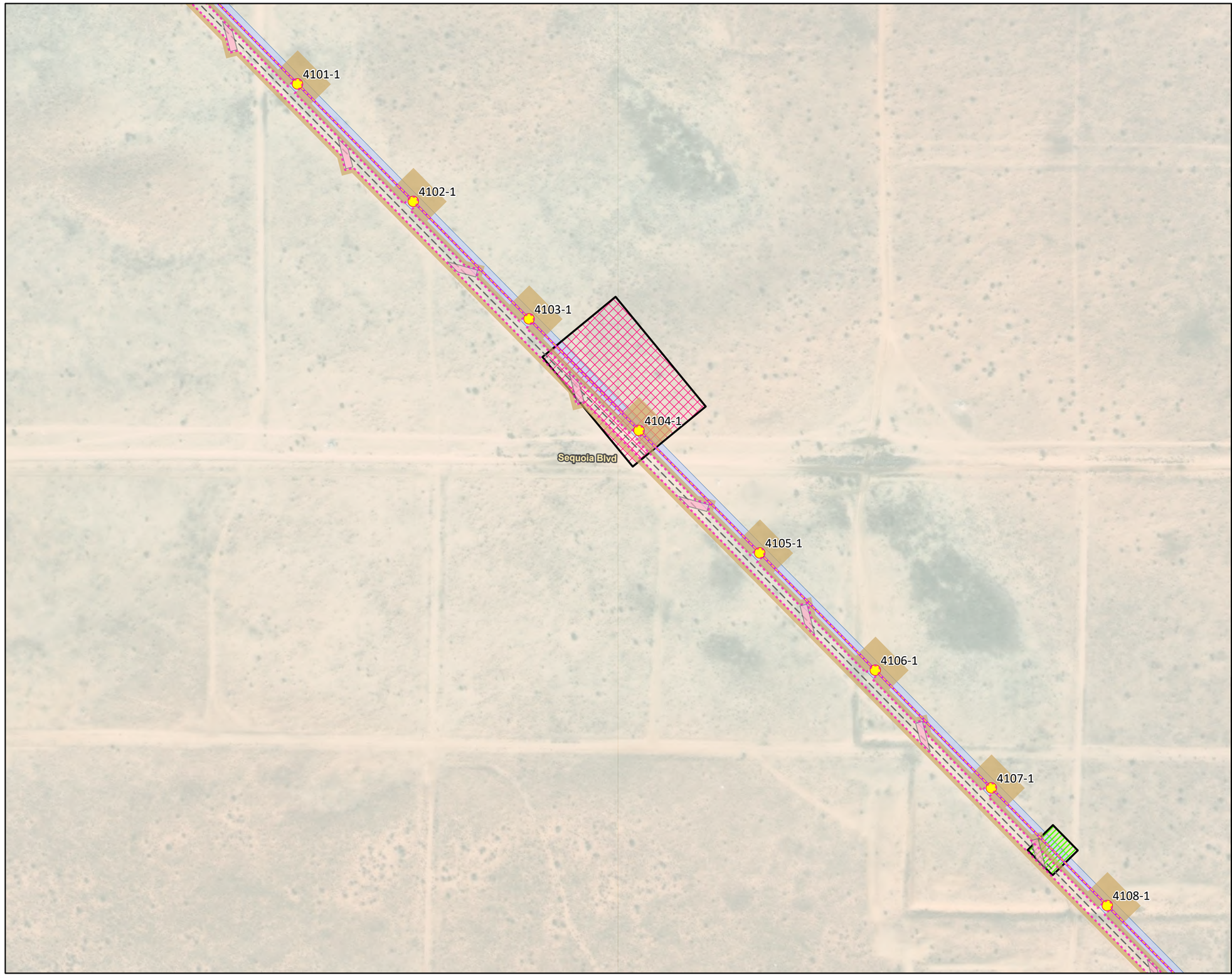

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Pull Site
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

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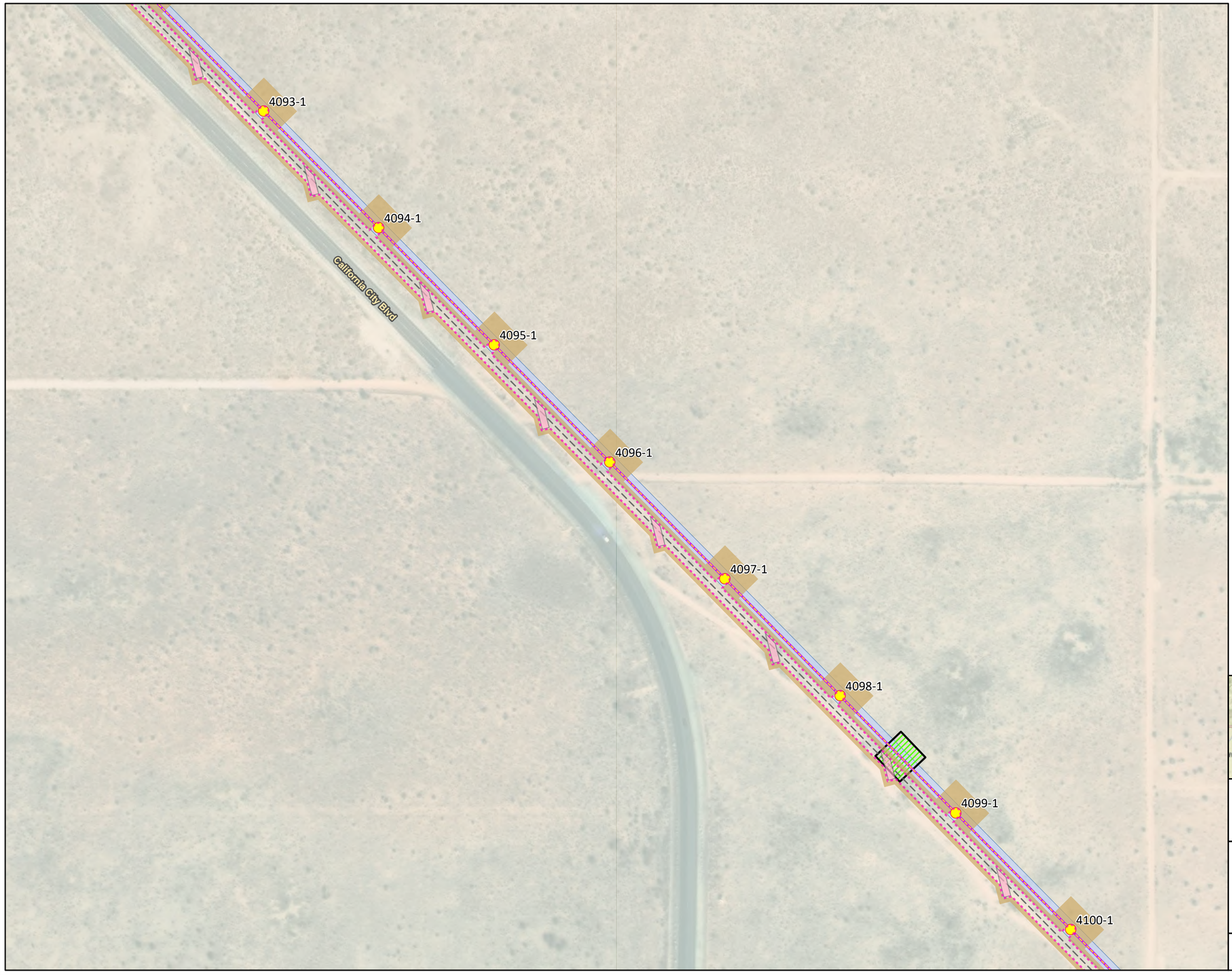

Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

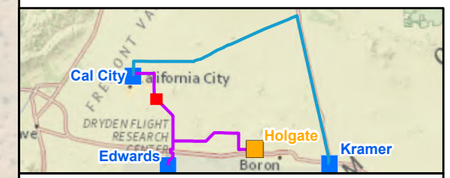
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW



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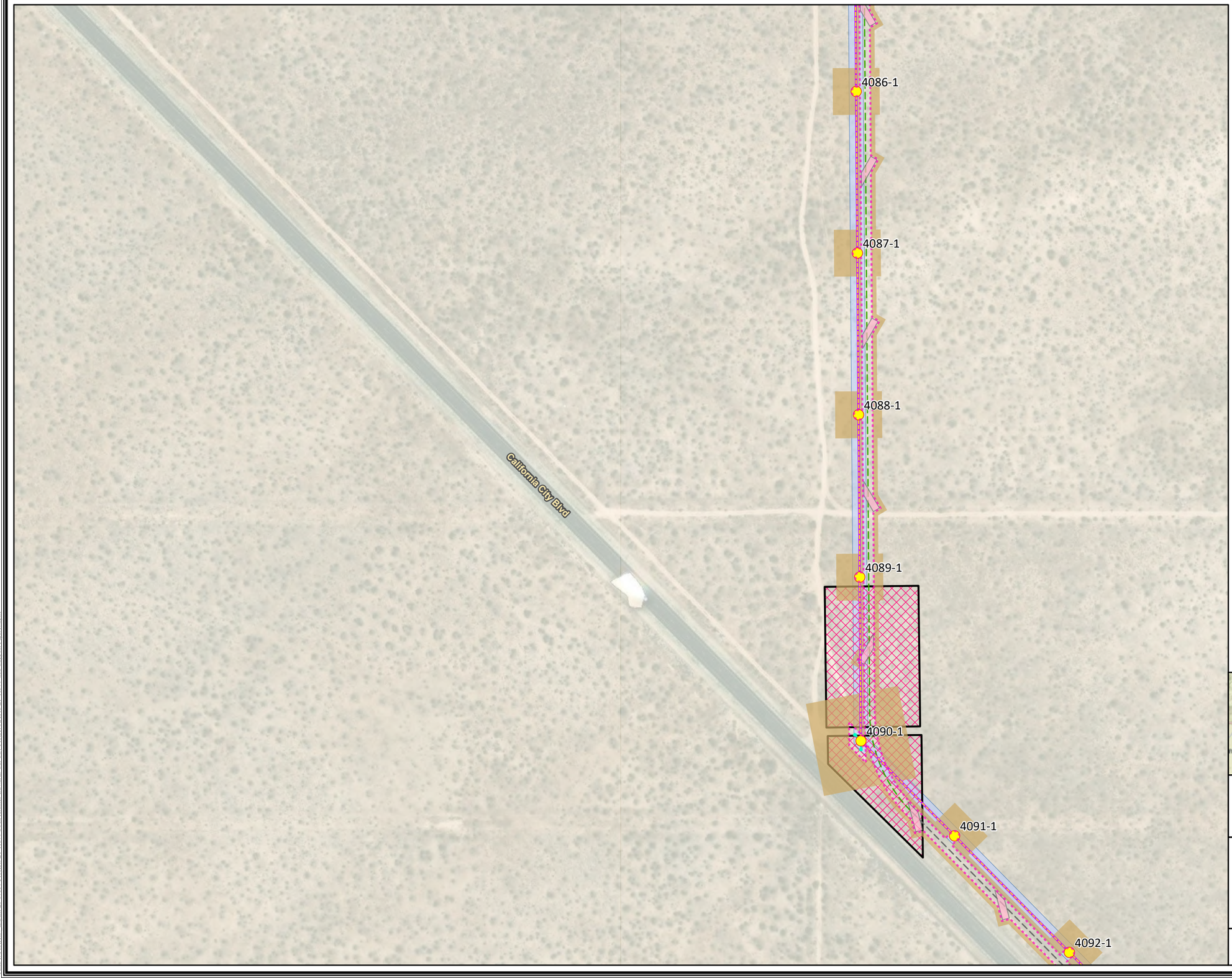

Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

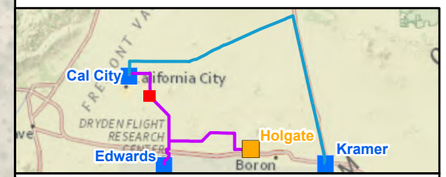
Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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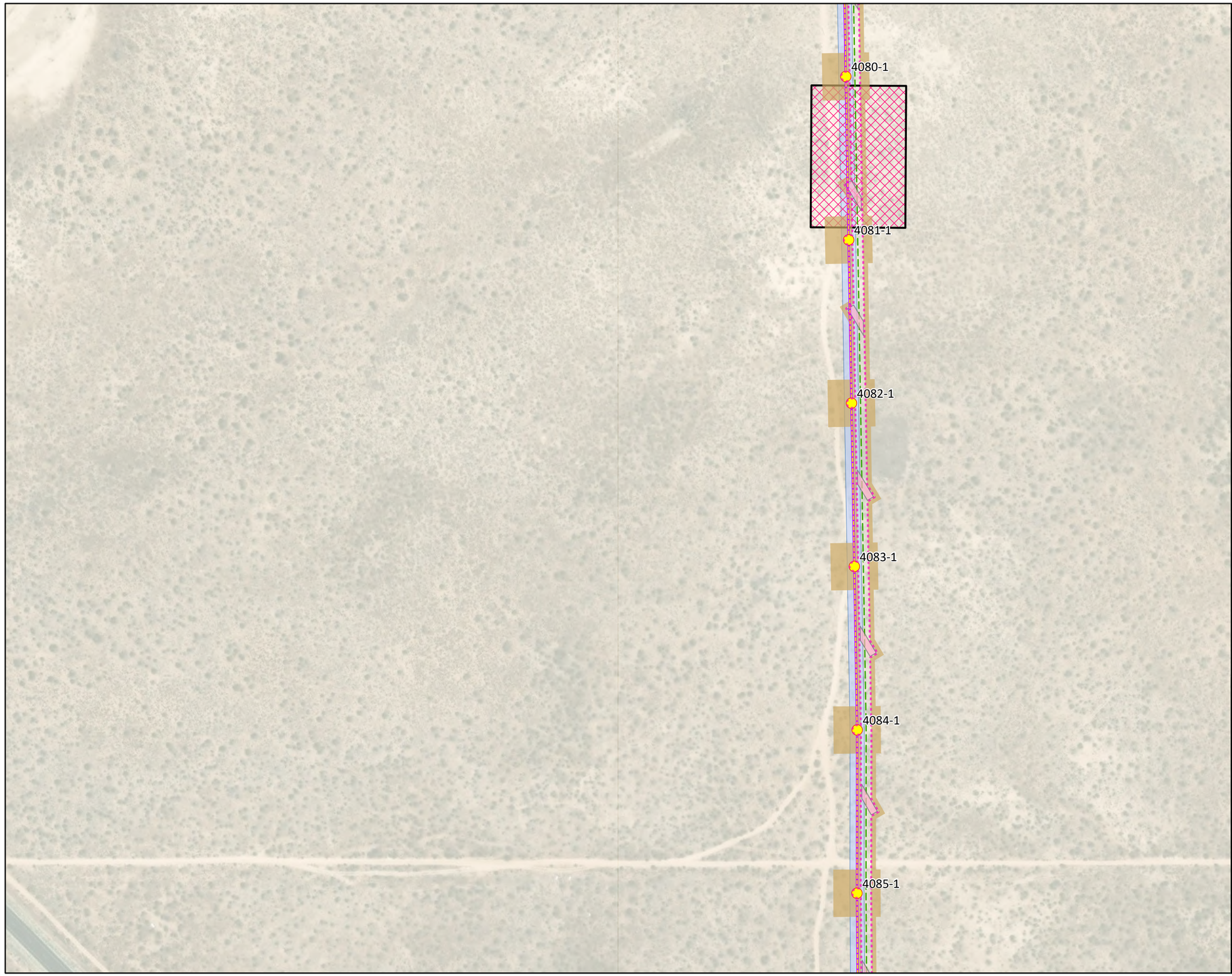
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

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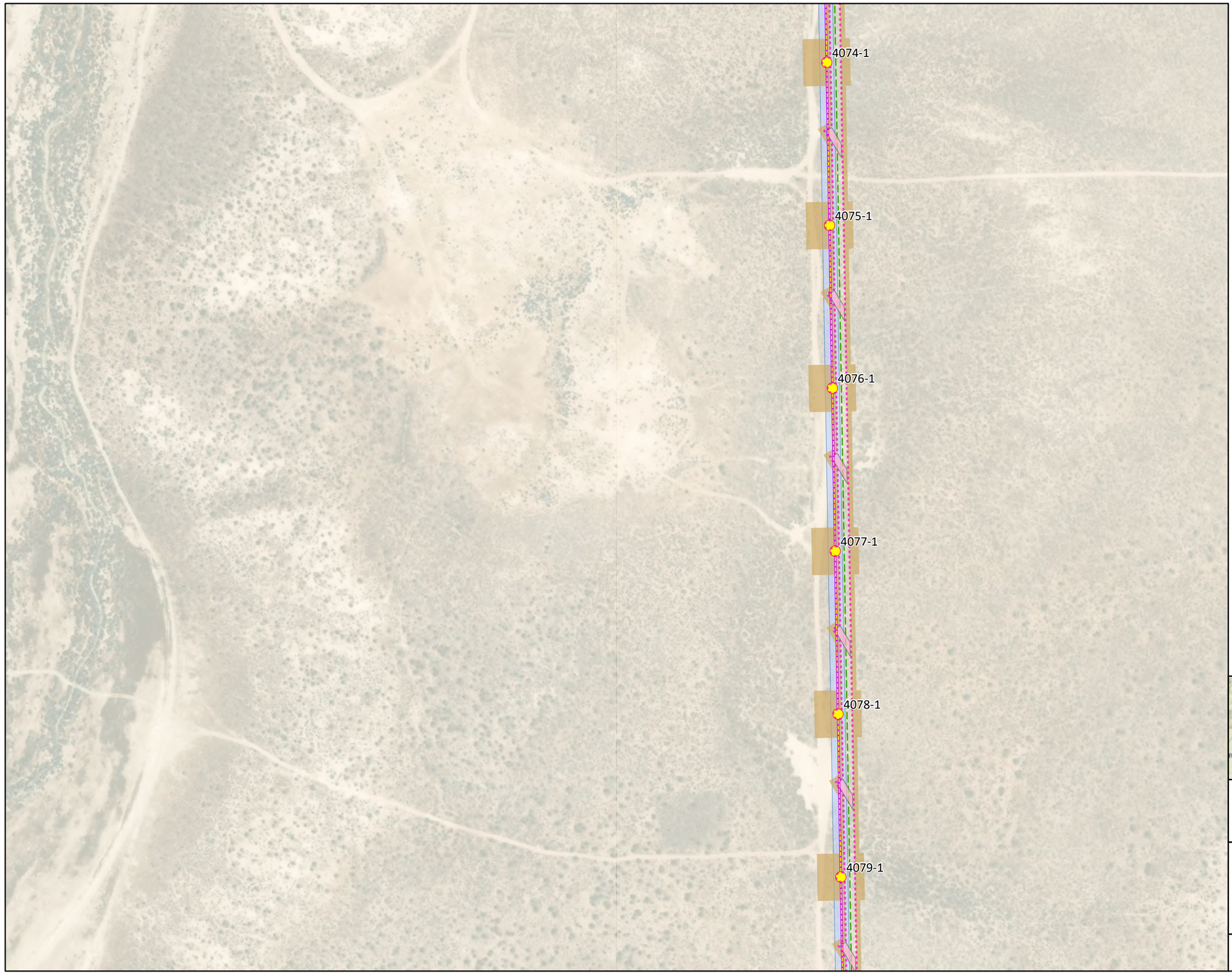


Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

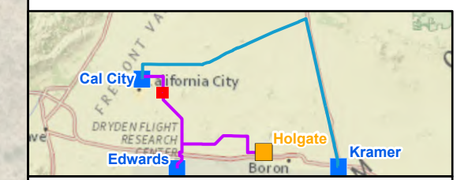
Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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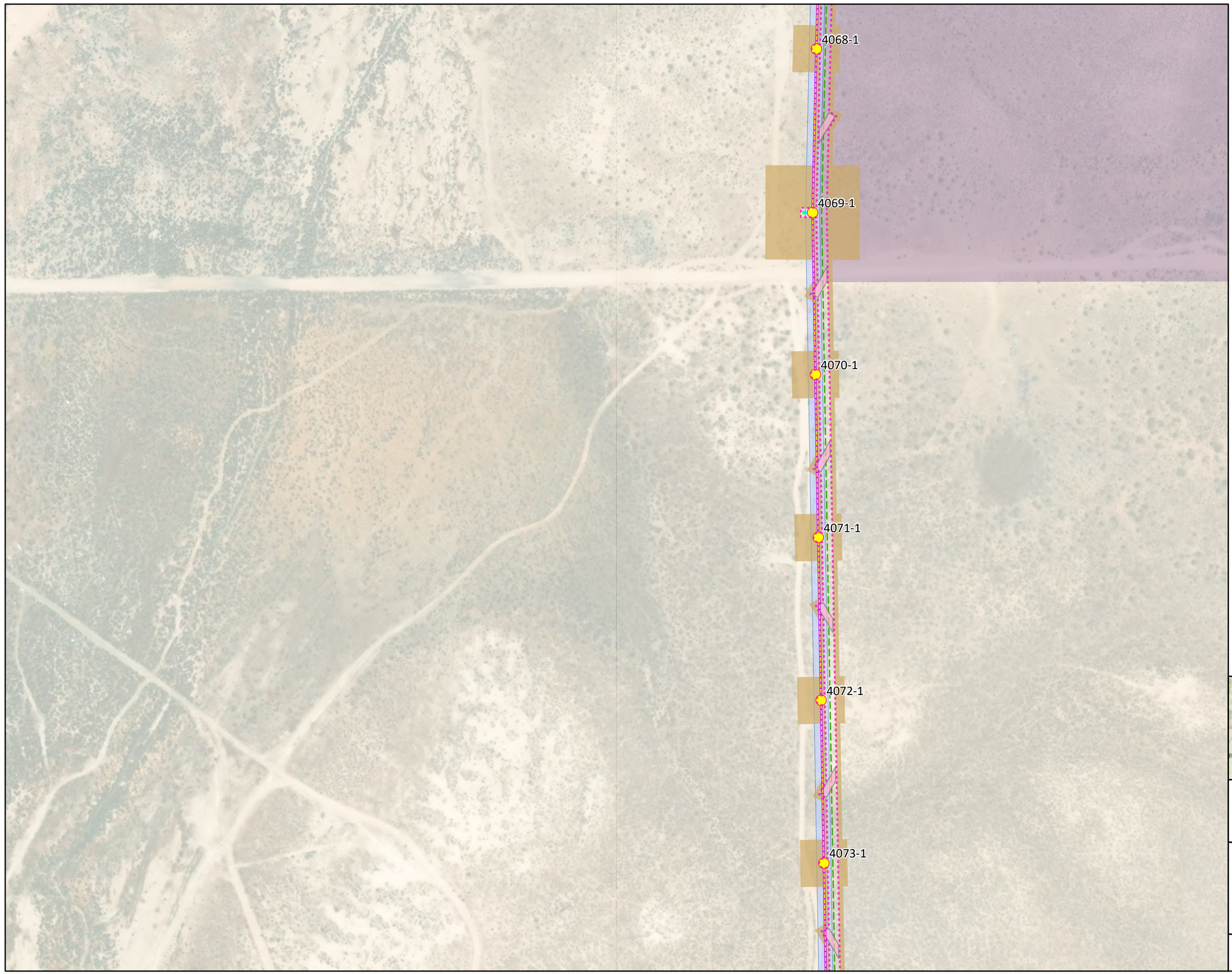

Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Water Bar

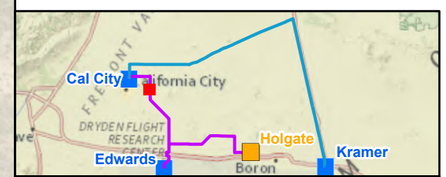
Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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Cal City Substation 115 kV Upgrade Project

Appendix A
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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

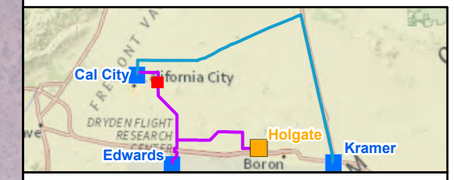
Construction Areas
- O&M Structure Pads
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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Cal City Substation 115 kV Upgrade Project

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Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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Cal City Substation 115 kV Upgrade Project

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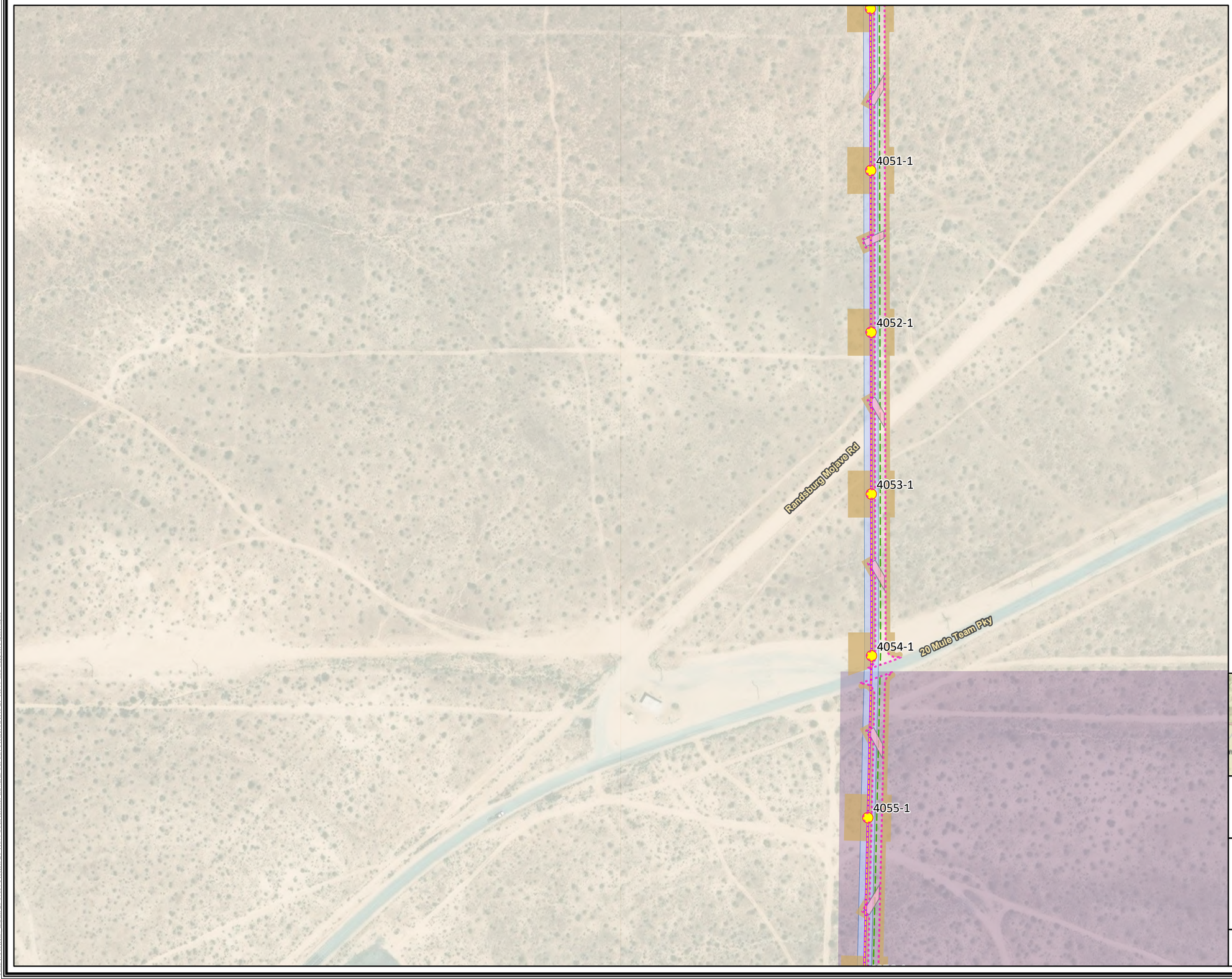

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Water Bar

Access Roads
- *New Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

Land Ownership
- Bureau of Land Management

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.

0 0.01 0.03 0.05 Miles

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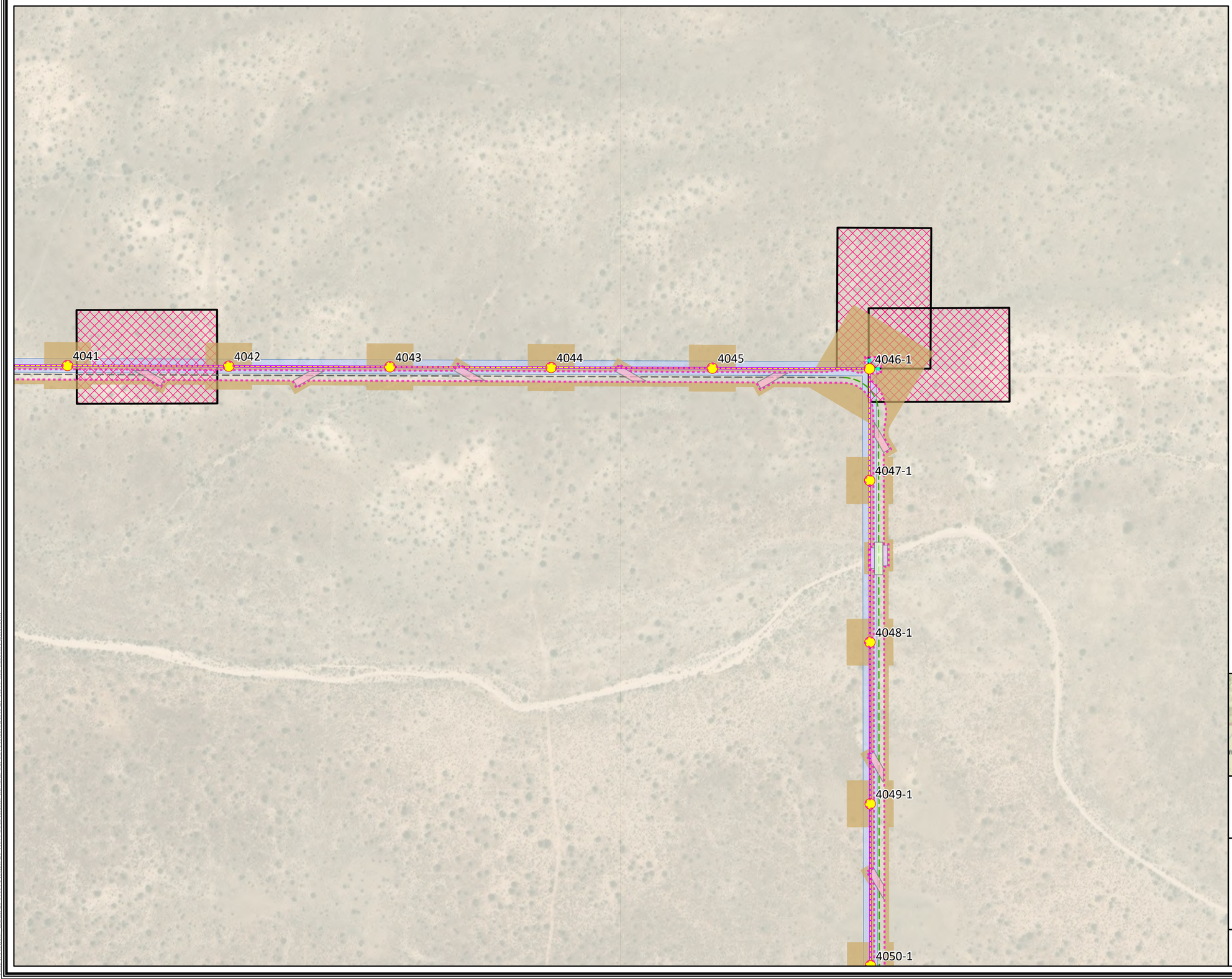
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Guying Wire
- Guying Wire

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

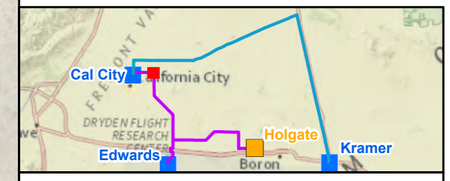
Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- Pull Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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World Imagery: Maxar

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Cal City Substation 115 kV Upgrade Project

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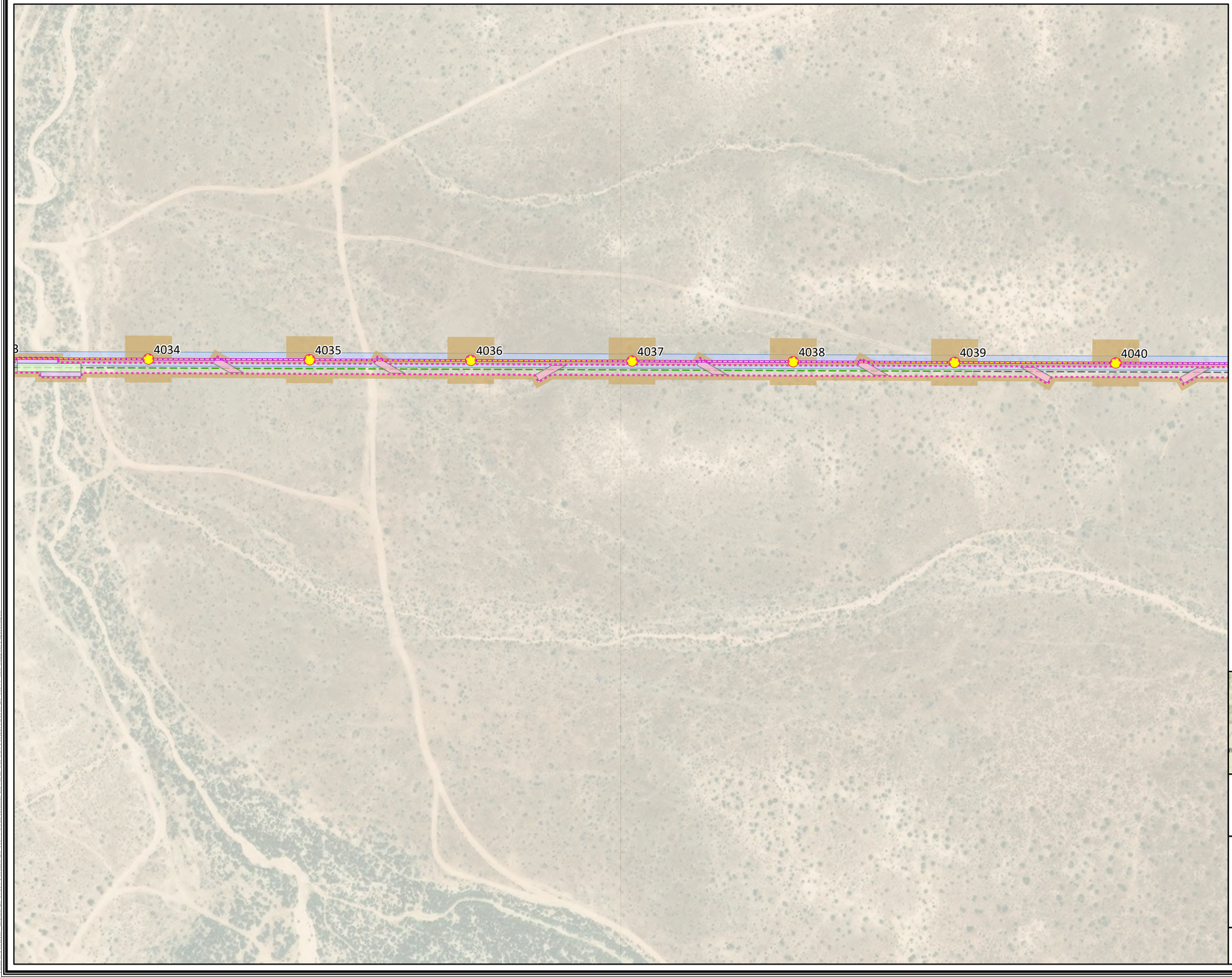


Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

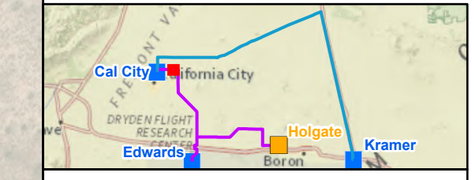
Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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An EDISON INTERNATIONAL Company

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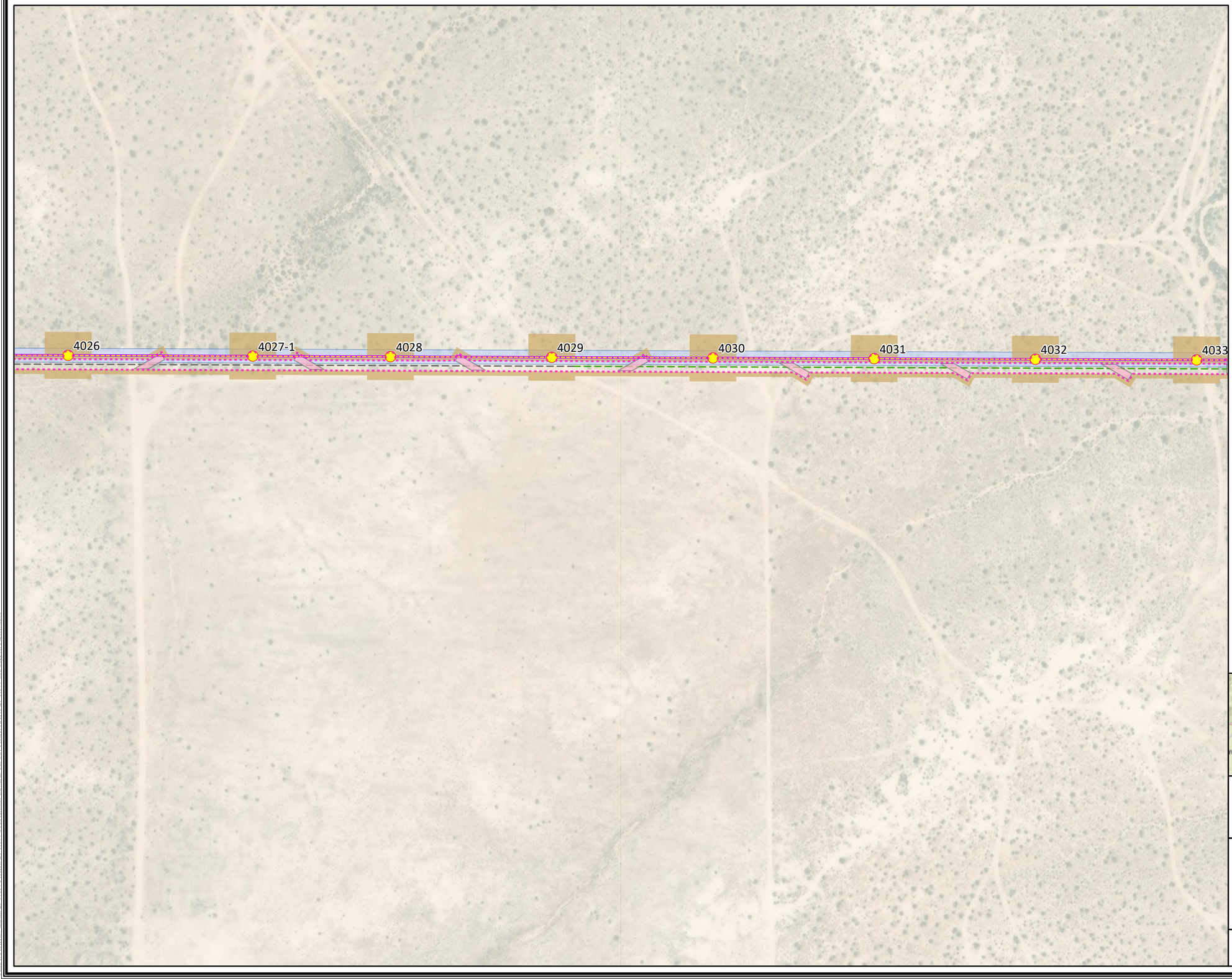
Cal City Substation 115 kV Upgrade Project



Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

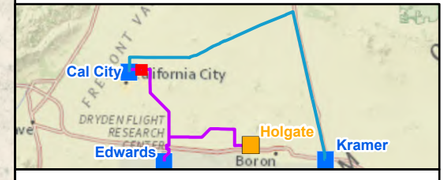
Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

*Includes proposed new (design) access roads and/or heavy improvements to existing roads.



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Cal City Substation 115 kV Upgrade Project

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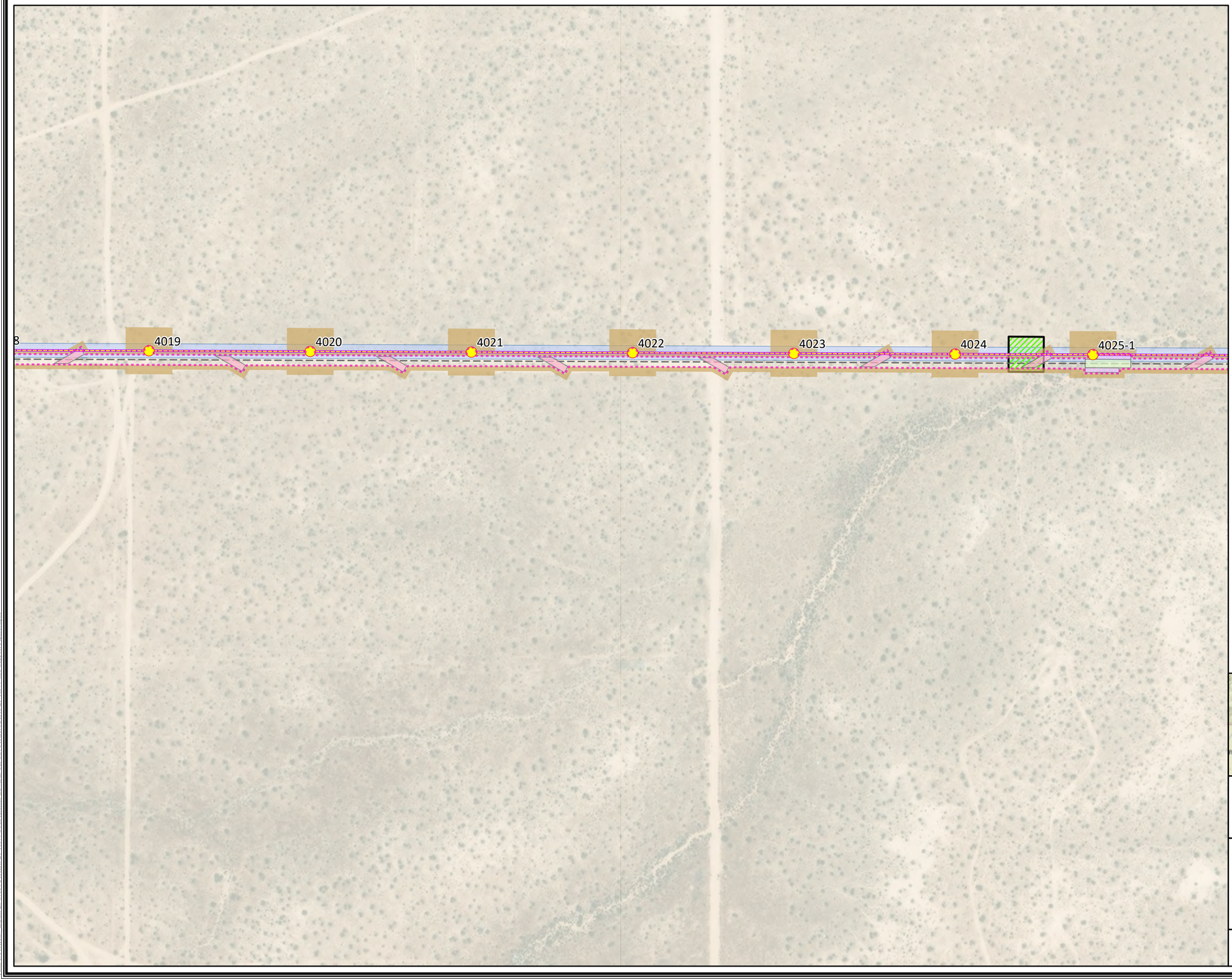

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- Existing Access Road

Construction Areas
- Splice Site

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

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Cal City Substation 115 kV Upgrade Project

Appendix A
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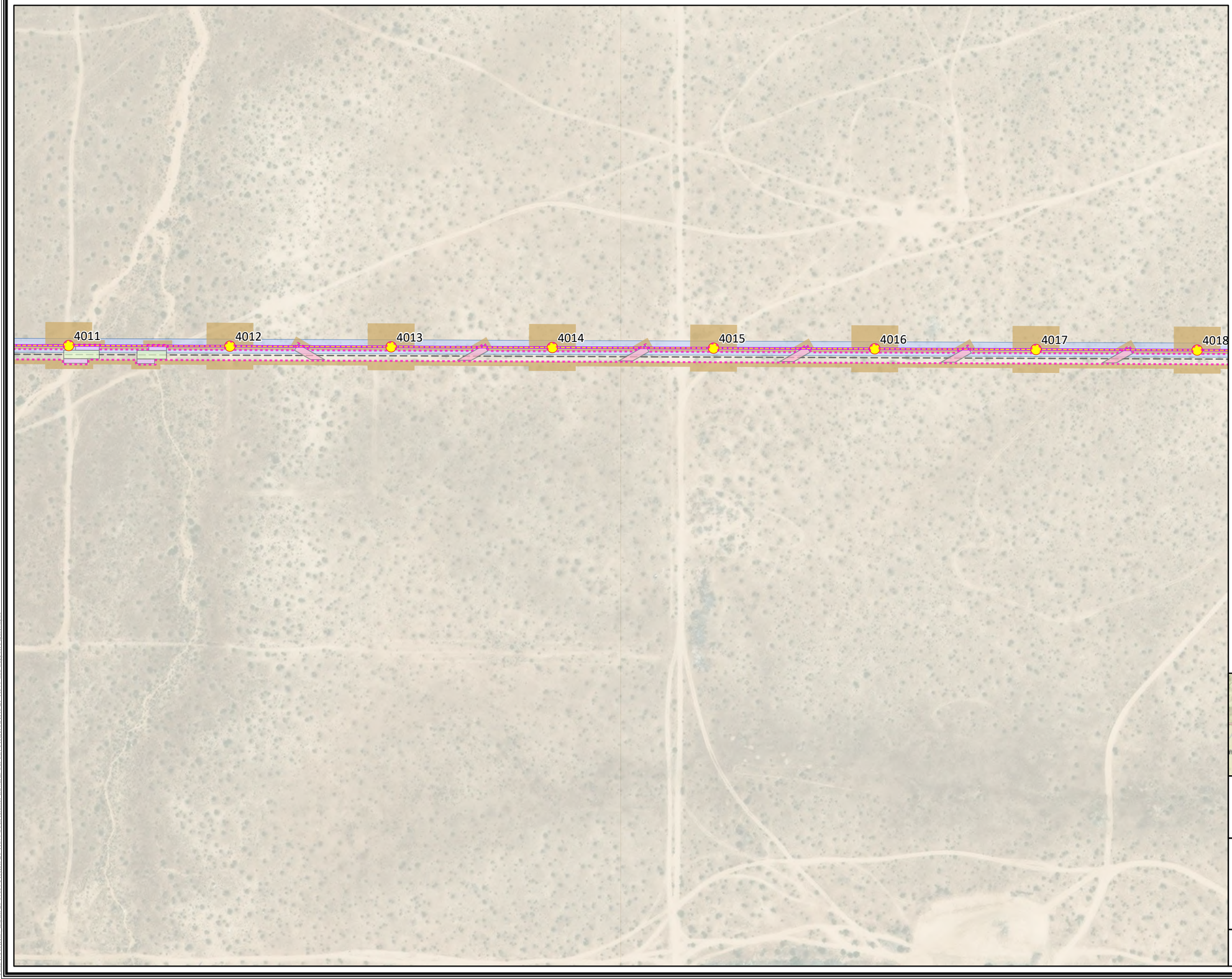

Subtransmission Structures
- New, LWS

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- Existing Access Road

Grading Disturbance
- Permanent
- Temporary

ROW
- Proposed Project - 30 ft ROW

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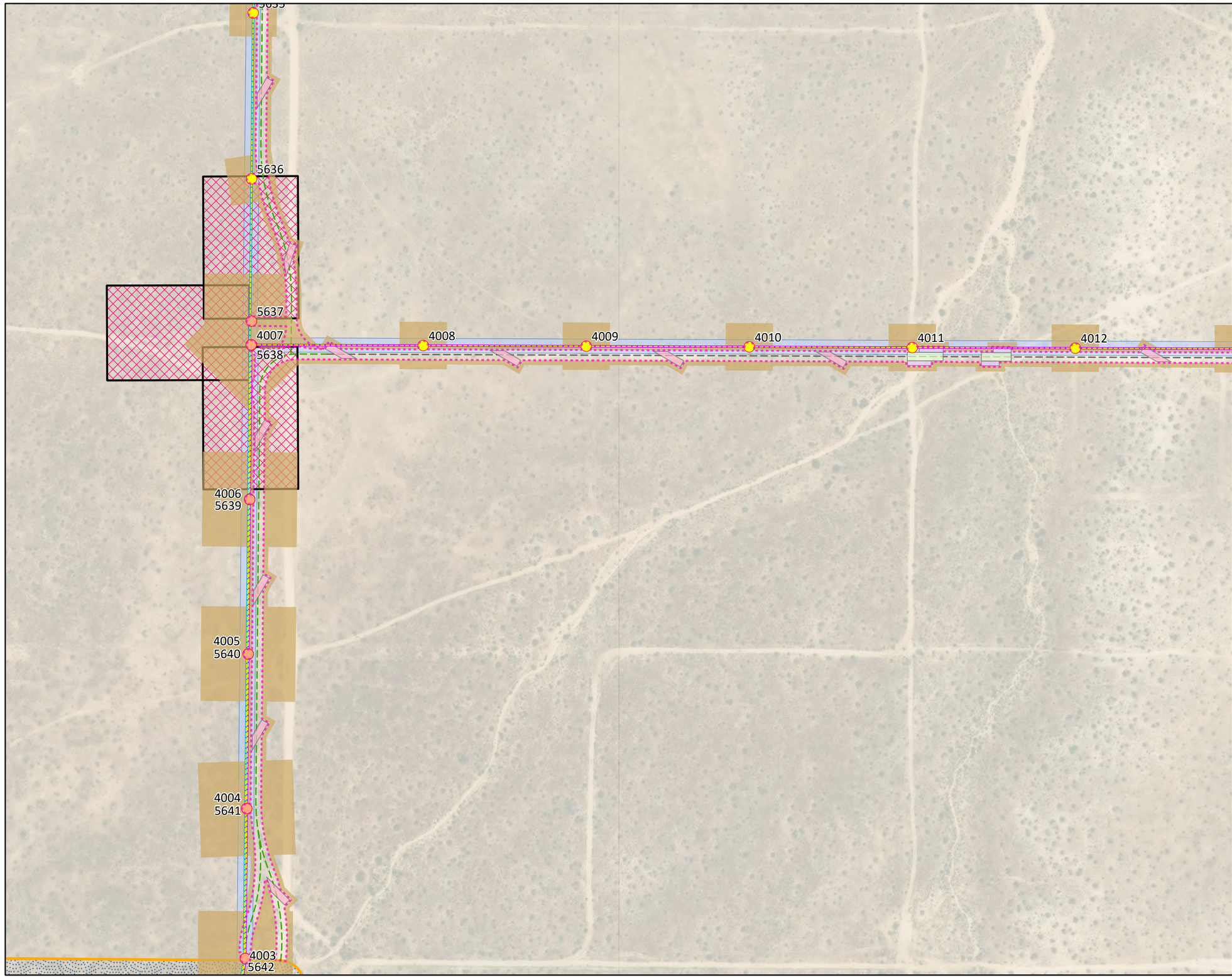

Cal City Substation 115 kV Upgrade Project

Subtransmission Structures
- New, LWS
- New, TSP

Telecommunication Alignment
- New, Overhead

Subtransmission Alignment
- New Cal City-Edwards-Holgate 115 kV Subtransmission Line
- New Kramer-Cal City 115 kV Subtransmission Line

Civil Mechanical Stabilization Area
- Hardened Wet Crossing
- Rip Rap
- Water Bar

Access Roads
- *New Access Road
- Existing Access Road

Construction Areas
- General Disturbance Area
- Pull Site

Grading Disturbance
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- Temporary

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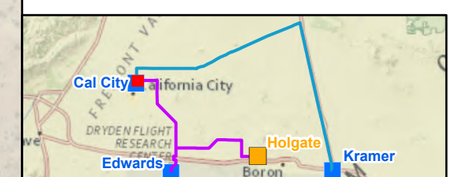

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Appendix B
Scoping Report

CALIFORNIA PUBLIC UTILITIES COMMISSION

SOUTHERN CALIFORNIA EDISON's CAL CITY SUBSTATION 115 kV UPGRADE PROJECT

Scoping Report

January 2024

A.23-03-005

State Clearinghouse No. 2023110218

Prepared for:
California Public Utilities Commission

Prepared by:
Environmental Science Associates

ESA

CALIFORNIA PUBLIC UTILITIES COMMISSION

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D. Scoping Meeting Presentation
E. Scoping Meeting Transcripts
F. Written Scoping Comments

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SCOPING REPORT

Cal City Substation 115 kV Upgrade Project

1. Introduction

In its California Public Utilities Commission (CPUC) application (A.23-03-005), filed on March 14, 2023, Southern California Edison Company (SCE) requests a Permit to Construct (PTC) the Cal City Substation 115 kilovolt (kV) Upgrade Project (Project). The CPUC is serving as the lead agency for the purposes of the California Environmental Quality Act (CEQA) review. Based on its review of the application and the Proponent's Environmental Assessment (PEA), the CPUC is preparing an Environmental Impact Report (EIR) to evaluate potential effects of the Project, pursuant to CEQA.

The CPUC issued a Notice of Preparation (NOP) of an EIR for the Project on November 8, 2023, which initiated agency consultation about the scope and content of information to be analyzed in the EIR (a process called "scoping") and invited early public input about potential environmental concerns (Pub. Res. Code § 21080.4(a); CEQA Guidelines §§ 15082(b), 15083). CEQA Guidelines Section 15083 provides that a "Lead Agency may…consult directly with any person…it believes will be concerned with the environmental effects of the project." Section 15083(a) states that scoping can be "helpful to agencies in identifying the range of actions, alternatives, mitigation measures, and significant effects to be analyzed in depth in an EIR and in eliminating from detailed study issues found not to be important." Scoping is an effective way to bring together and consider the concerns of affected State, regional, and local agencies, the project proponent, and other interested persons (CEQA Guidelines § 15083(b)).

This scoping report provides an overview and summary of the written and oral comments provided by agencies and individuals during the 30-day scoping period, which commenced November 8, 2023, and closed on December 8, 2023. The CPUC will use this scoping report to inform the preparation of a comprehensive EIR tailored to agency and community concerns. Pursuant to CEQA Guidelines Section 15082, all public comments within the scope of CEQA will be considered in the EIR process.[1]

[1] Comments not within the scope of CEQA will not be addressed through the CEQA process.

2. Description of the Project

2.1 Project Summary

As proposed by SCE, the Project would include expansion of the existing 5-acre Cal City Substation by approximately 10 acres to upgrade the substation from 33/12 kV to 115/33 kV and 115/12 kV. Fourteen new underground 12 kV distribution getaways and two new underground 33 kV distribution getaways from Cal City Substation are proposed. The Project would also include construction of two new 115 kV subtransmission lines, a 42-mile overhead line from Kramer Substation to Cal City Substation, and a new overhead 28-mile line from Cal City Substation to Holgate Switchyard with a tap line to serve Edwards Substation located on Edwards Air Force Base. The proposed new 115 kV subtransmission lines would be installed with telecommunication cables and telecommunication improvements would also be installed at the existing Holgate Switchyard and Cal City, Kramer, and Edwards substations. The Project would require electrical infrastructure improvements to accommodate the new 115 kV lines within the existing fence lines at Edwards Substation, Holgate Switchyard, and Kramer Substation.

The Project would also include the transfer of several miles of distribution lines onto the proposed new subtransmission line structures, including: the transfer of a total of approximately 7 miles of existing 33 kV distribution line to the new Kramer-Cal City 115 kV line structures, and removal of approximately 151 existing distribution structures along the line segments; and the transfer of approximately 2 miles of existing 33 kV and approximately 2 miles of existing 12 kV distribution lines to the new Cal City- Edwards-Holgate 115 kV line structures, and removal of approximately 90 existing distribution structures along the line segments.

2.2 Project Location

The Project would be in the Mojave Desert region of southern California on lands managed by unincorporated Kern and San Bernardino Counties, the City of California City, state agencies (California Department of Fish and Wildlife [CDFW] and California Department of Transportation [Caltrans]), and federal agencies (Bureau of Land Management [BLM] and the U.S. Department Of Defense [DoD]), and on private lands and lands owned and managed by SCE.

3. Scoping Process

3.1 Notification

On November 8, 2023, the CPUC published and distributed an NOP to solicit input from federal, state, and local agencies, and the public to inform the scope and content to be considered in the EIR being prepared for the Project. A copy of the NOP was provided to the State Clearinghouse of the Governor's Office of Planning and Research, which assigned State Clearinghouse Number 2023110218 as the Project's unique State identification number for the CEQA review. The Notice of Scoping Meetings and Release of the NOP was mailed to property owners within 300 feet of the Project routes and locations, and the NOP was mailed directly to responsible and trustee agencies, and individuals that had previously shown interest in the Project. The NOP provided a

brief description of the Project, included a map showing the location of proposed components of the Project, identified potential areas of environmental impacts, and provided notice for virtual public scoping meetings, which were held on Thursday, November 30, 2023. **Appendix A** includes documentation of the State Clearinghouse submittal, and the mailing list of agencies and organizations that were directly mailed the NOP to street or electronic addresses, and **Appendix B** includes a copy of the Notice of Scoping Meetings and Release of Notice of Preparation (NOP) of an Environmental Impact Report, and the NOP.

To announce the release of the NOP and provide details about the public scoping meetings, the CPUC published a legal notice in the Mojave Desert News, a weekly periodical in general circulation in the Project vicinity. The legal notice was published for two successive weeks, on November 8, 2023, and November 15, 2023. Proof of the publication is provided in **Appendix C**. The meeting announcement and an electronic copy of the NOP was also posted on the CPUC's website established for the Project at: https://ia.cpuc.ca.gov/environment/info/esa/CalCity/index.html.

The NOP was also posted on November 8, 2023, for a 30-day review period with the Kern County Clerk and the San Bernardino County Clerk of the Board. Proof of the postings is provided in **Appendix C**.

3.2 Opportunities for Comment

3.2.1 Public Workshops and Scoping Meetings

The CPUC conducted two virtual scoping meetings on November 30, 2023. The meetings were held from 2:30 to 4:00 p.m. and from 6:30 to 8:00 p.m. Fourteen people attended the afternoon meeting, and four attended the evening meeting. Boris Sanchez of the CPUC, as well as Matt Fagundes, Maria Hensel, and Olivia Silverstein of Environmental Science Associates (ESA), consultant to the CPUC, hosted the meetings.

During the meetings, the CPUC summarized the lead agency's decision and environmental review process and noted the opportunities for public participation within the CEQA process. A brief description of the Project identified by SCE in its PEA was presented and the range of environmental issue areas to be addressed in the EIR was discussed. The types of alternatives that can be considered in the EIR and the next steps in the environmental review process were also addressed at the scoping meetings. Following the presentation, the public was provided with an opportunity to submit oral and/or written comments. A copy of the scoping meeting presentation is included in **Appendix D**.

3.2.2 Agency Consultation

In October of 2023, on behalf of the CPUC, ESA conducted early outreach to local agencies and officials and resource agencies to inform them about the upcoming Project and its scoping period. Agencies and officials contacted included the city of California City, Kern and San Bernardino counties, Eastern Kern Air Pollution Control District, Mojave Desert Air Quality Management District, CDFW, California Regional Water Quality Control Board, Federal Regulatory Energy Commission, and the BLM. The CPUC conducted a conference call with BLM on October 10,

2023, to coordinate the environmental reviews of the two agencies and to receive any early BLM input on the scope of the EIR analysis. The BLM provided input about the status of its review of the Project under the National Environmental Protection Act and suggested cumulative projects to be considered as part of the environmental review.

4. Scoping Comments

Three members of the public provided oral comments on the Project during the November 30, 2023, afternoon scoping meeting, and one person commented during the evening meeting session. Transcripts from the virtual scoping meetings are included in **Appendix E**.

The CPUC received five written comments during the scoping period. Copies of the written comments are provided in **Appendix F**. Commenting parties are listed in **Table 1** and summaries of the issues identified by the commenters are provided in Section 4.1, *Issues to be Considered under CEQA*, and Section 4.2, *Issues Not Analyzed under CEQA*.

TABLE 1
PARTIES THAT SUBMITTED EIR SCOPING COMMENTS

Name	Title, Organization/Affiliation	Date
Oral Comments		
Judy Hermann	Property Owner	11/30/2023
Karen Macedonio	Council Member, City of California City	11/30/2023
J. Gerhard	Property Owner	11/30/2023
Joan Schmitt	Property Owner	11/30/2023
Written Comments		
Cameron Vela	Cultural Resources Analyst, Native American Heritage Commission	11/16/2023
Judy Hermann	Property Owner	11/30/2023 and 12/4/2023
Jeff Flores	Chairman, Kern County Board of Supervisors	11/30/2023
Joan Schmitt	Property Owner	12/4/2023
Julie A. Vance	Regional Manager, California Department of Fish and Wildlife	12/7/2023

4.1 Raised Issues to be Considered under CEQA

The following discussions are summaries of the issues identified by the public that will be considered under CEQA in the EIR. The summaries are grouped by topic with oral comments listed first alphabetically by last name/organization, followed by written comments listed alphabetically by last name/organization.

Biological Resources

***J. Gerhard*:** The commenter noted that the Project alignment appeared to be near desert tortoise critical habitat areas and inquired about how discovery of tortoises during construction would be managed.

***California Department of Fish and Wildlife*:** The CDFW noted that special-status species have been documented in the study area per the California Natural Diversity Database (CNDDB). Protected species with potential to occur in the project area include State protected furbearing mammal desert kit fox; the State fully protected golden eagle; the State candidate endangered Crotch's bumble bee; the State and federally threatened desert tortoise; the State threatened Swainson's hawk, and Mohave ground squirrel; the State watch list prairie falcon; and the State species of special concern American badger, pallid bat, Townsend's big-eared bat, spotted bat, loggerhead shrike, burrowing owl, and gray vireo. Special-status plant species have been documented in the study area that include but are not limited to State candidate threatened western Joshua tree; the State endangered and California Rare Plant Rank (CRPR) 1B.2 Barstow woolly sunflower, Charlotte's phacelia, alkali mariposa-lily, Red Rock poppy, desert cymopterus, and recurved larkspur; the CRPR 1B.3 Creamy blazing star; the CRPR 2B.2 sagebrush loefingia and pink funnel lily; the CRPR 2B.3 Booth's evening-primrose; and the CRPR 4.2 Mojave fish-hook cactus, golden goodmania, solitary blazing star, Mojave spineflower, white pygmy-poppy, and crowned muilla.

CDFW recommends that a qualified biologist conduct a habitat assessment during biological studies in support of the EIR in advance of Project implementation to determine if the Project area or its immediate vicinity contains suitable habitat for any of the special-status species mentioned and what follow-up measures may be necessary. Focus surveys were recommended in the comment for western Joshua tree in support of the Draft EIR. CDFW also recommends that the Draft EIR include measures to avoid, minimize, and/or mitigate impacts related to riparian and wetland habitats. The comment letter noted that the Project applicant is responsible for ensuring that implementation of the Project does not result in violation of the Migratory Bird Treaty Act or relevant Fish and Game Codes sections. CDFW is required to comply with CEQA in the issuance of a Lake and Streambed Alteration Agreement; therefore, it is recommended that the CEQA document adequately describe the Project and its impacts to lakes or streams.

Cultural Resources

***Native American Heritage Commission*:** The Native American Heritage Commission (NAHC) noted the tribal consultation requirements set forth by Assembly Bill 52 (AB 52) and Senate Bill 18 (SB 18) are applicable to the project. This letter also includes the NAHC's recommendations for conducting cultural resource assessments. The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Regulatory requirements and guidance for best practices specific to AB 52 and SB 18 were included with the comment letter.

4.2 Raised Issues Not to be Analyzed under CEQA

The EIR will be used to guide Project decision-making by the CPUC by providing an assessment of the potential environmental impacts that would result from the Project. The weighing of Project benefits (environmental, economic, or otherwise) against adverse environmental effects is

outside the scope of the EIR. When the CPUC considers whether to approve SCE's application for the Project, it will consider the EIR along with economic and other considerations.

Summaries of the scoping comments received on issues that will not be analyzed under the CEQA review for the Project as well as the associated discussions are presented below.

Economics-Related Comments Received

J. Schmitt: The commenter indicated that an 85-foot tower proposed for the property next to theirs would affect their property value.

Discussion

Under CEQA, the analysis of potential impacts "shall be limited to substantial, or potentially substantial, adverse changes in physical conditions" in the environment (Pub. Res. Code §21151(b); CEQA Guidelines §15358(b)). CEQA's definition of the environment includes "the physical conditions which exist within the area which will be affected by a proposed project, including land, air, water, minerals, flora, fauna, noise, objects of historic or aesthetic significance" (Pub. Res. Code §21060.5). CEQA's definition of the environment does not include economic or social effects (including psychological or social impacts on community character) unless those effects result in a change in the physical environment. The CEQA Guidelines are clear in emphasizing this point. Pursuant to CEQA Guidelines Section 15131, subdivision (a):

> Economic or social effects of a project shall not be treated as significant effects on the environment. An EIR may trace a chain of cause and effect from a proposed decision on a project through anticipated economic or social changes resulting from the project to physical changes caused in turn by the economic or social changes. The intermediate economic or social changes need not be analyzed in any detail greater than necessary to trace the chain of cause and effect. The focus of the analysis shall be on the physical changes.

Additionally, CEQA Guidelines Section 15064 states, "Economic and social changes resulting from a project shall not be treated as significant effects on the environment. Economic or social changes may be used, however, to determine that a physical change shall be regarded as a significant effect on the environment."

A potential change in property value is considered an economic concern. There is no evidence that potential changes in property values would result in physical changes to the environment. Therefore, CEQA does not require analysis of this issue. Additionally, projecting the magnitude of any decrease in property values, which would be affected by multiple factors, would require real estate market analysis and is beyond the scope of environmental review under CEQA.

Project Need-Related Comments Received

***Kern County Board of Supervisors*:** The comment letter from Kern County expresses general support and requests that the CPUC expedite the Project. The comment letter notes that the Kern County economy is in transition and that the board of supervisors is working to improve

economic viability within the County. Among the reasons for supporting the Project and requesting that it be expedited, the comment notes the need for increased electrical capacity to facilitate the creation of new jobs. The letter also notes the potential of the Project to provide resiliency to Edwards Air Force Base and capacity for renewable (energy) projects in the region, which is needed to enable the State to meet its greenhouse gas reduction goals.

Discussion

The EIR will not consider comments that pertain to Project need. The CEQA process does not require the EIR to assess Project need. In addition, CPUC General Order 131-D does not require an affirmative showing of need for projects under 200 kV and this issue is not generally litigated in PTC proceedings. The EIR will include analysis of a "No Project Alternative," which will examine the environmental impacts of not building the Project. Thus, the analysis of the No Project Alternative will consider what would happen from an electrical standpoint if the Project objectives were not met.

General Comments

***J. Hermann*:** The commenter asked if their family property would be next to a tower and how tall would the towers be.

Discussion

An electronic mail response was provided to J. Hermann on December 4, to address the question about the property and to state that the light-weight steel structures near the property would have a height of 85 feet.

***K. Macedonio, Council Member for the City of California City*:** The council member requested a copy of the scoping meeting presentation and asked about logistics related to submittal of scoping comments.

Discussion

The CPUC's CEQA team responded to K. Macedonio's questions about scoping comment submittal logistics at the afternoon Scoping Meeting on November 30, 2024, and followed-up with an electronic mail on December 8, 2023, that provided the scoping meeting presentation as an attachment.

***J. Schmitt*:** The commenter indicated that a 85-foot tower is proposed for the property next to theirs and requested information about whether properties would be purchased for the Project.

Discussion

The EIR will not consider comments related to whether SCE has the proper easements or rights-of-way (ROWs) for construction, operation, or maintenance of the Project. Negotiations of ROWs or easements occur between SCE and affected property owner(s) and generally do not require discretionary approval from a State or local agency. Consequently, such agreements would be outside the scope of CEQA. Any environmental impacts that would occur within a newly acquired ROW as part of the Project would be assessed in the EIR.

Regardless, an electronic mail response was provided to J. Schmitt on January 11, 2024, to address the question.

Appendix A

State Clearinghouse Documentation and Notice of Preparation Mailing list

SCE Cal City Substation 115kV Upgrade Project

Summary

SCH Number
2023110218

Lead Agency
California Public Utilities Commission (CPUC)

Document Title
SCE Cal City Substation 115kV Upgrade Project

Document Type
NOP - Notice of Preparation of a Draft EIR

Received
11/8/2023

Present Land Use
Various: Commercial, Industrial, Public Facilities, Residential, Resource, State, and Federal: California Desert Conservation Area, Desert Renewable Energy Conservation Area, Edwards Air Force Base

Document Description
The Project would include the expansion of the existing 5-acre Cal City Substation by approximately 10 acres to upgrade the substation from 33/12 kV to 115/33 kV and 115/12 kV. Fourteen new underground 12 kV distribution getaways and two new underground 33 kV distribution getaways from Cal City Substation are also proposed. The Project would include construction of two new 115 kV subtransmission lines, a 42-mile overhead line from Kramer Substation to Cal City Substation, and a new overhead 28-mile line from Cal City Substation to Holgate Switchyard with a tap line to serve Edwards Substation located on EAFB. The proposed new 115 kV subtransmission lines would be installed with telecommunication cables and telecommunication improvements would also be installed at the existing Holgate Switchyard and Cal City, Kramer, and Edwards substations. The Project would require electrical infrastructure improvements to accommodate the new 115 kV lines within the existing fence lines at Edwards Substation, Holgate Switchyard, and Kramer Substation. The Project would include the transfer of several miles of distribution lines onto the proposed new subtransmission lines, including: the transfer of a total of approximately 5 miles of existing 33 kV distribution lines to the new Kramer-Cal City 115 kV line structures, and removal of approximately 151 existing distribution structures along the line segments; and the transfer of approximately 2 miles of existing 33 kV and approximately 2 miles of existing 12 kV distribution lines to the new Cal City-Edwards-Holgate 115 kV line structures, and removal of approximately 90 existing distribution structures along the line segments.

Contact Information

Name

Boris Sanchez

Agency Name
CPUC

Job Title
Public Utilities Regulatory Analyst III

Contact Types
Lead/Public Agency

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San Francisco, CA 94102

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Email
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Name
David De Leon

Agency Name
Southern California Edison

Job Title
Major Construction Project Manager

Contact Types
Project Applicant

Address
2 Innovation Way
Pamona, CA 91768

Phone
(909) 274-3479

Email
Davis.Deleon@sce.com

Location

Coordinates
35°8'33.34"N 117°58'7.31"W

Cities
California City

Counties
Kern, San Bernardino

Regions
Citywide, Countywide, Southern California

Cross Streets
Multiple: Hacienda Blvd., California City Blvd.; SR 395

Zip
93505

Total Acres
10+ linear

Jobs
5

Parcel #
multiple

State Highways
SR 395, SR 58

Airports
California City Airport

Township
32S

Range
37E

Section
14

Base
Diablo

Notice of Completion

State Review Period Start
11/8/2023

State Review Period End
12/8/2023

State Reviewing Agencies
California Air Resources Board (ARB), California Department of Conservation (DOC), California Department of Fish and Wildlife, Inland Deserts Region 6 (CDFW), California Department of Parks and Recreation, California Department of Transportation, District 8 (DOT), California Department of Transportation, Division of Aeronautics (DOT), California Department of Transportation, Division of Transportation Planning (DOT), California Department of Water Resources (DWR), California Energy Commission, California Highway Patrol (CHP), California Native American Heritage Commission (NAHC), California Natural Resources Agency, California Public Utilities Commission (CPUC), California Regional Water Quality Control Board, Central Valley Fresno Region 5 (RWQCB), California Regional Water Quality Control Board, Colorado River Basin Region 7 (RWQCB), Central Valley Flood Protection Board, Department of Toxic Substances Control, Office of Historic Preservation

Development Types
Power:Electric Transmission Lines (Subtransmission)(Megawatts 0.01)

Local Actions
Site Plan

Project Issues
Aesthetics, Air Quality, Biological Resources, Cultural Resources, Cumulative Effects, Energy, Flood Plain/Flooding, Geology/Soils, Greenhouse Gas Emissions, Growth Inducement, Hydrology/Water Quality, Land Use/Planning, Mineral Resources, Noise, Population/Housing, Public Services, Recreation, Solid Waste, Transportation, Tribal Cultural Resources, Utilities/Service Systems, Vegetation, Wildfire

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Attachments

Draft Environmental Document [Draft IS, NOI_NOA_Public notices, OPR Summary Form, Appx,]

NOP_CalCItySub_Nov7_2023_clean PDF 1990 K

Notice of Completion [NOC] Transmittal form

NOC_Environmental Document Transmittal_CalCitySub_11082023_ PDF 317 K

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Notice of Preperation Mailing List

State Agencies			
Organization	**Department / Title**	**First Name**	**Last Name**
California Air Resources Board	Executive Officer	Dr. Steven	Cliff
California State Water Resources Control Board	Eng. Geologist, 401 Certification Unit	Snejana	Toneva
California State Water Resources Control Board	Exective Director	Eileen	Sobeck
California Department of Fish and Wildlife (Region 4)	Regional Manager	Julie	Vance
California Department of Fish and Wildlife (Region 6)	Regional Manager	Heidi	Calvert
California Dept. of Fish and Wildlife (CDFW)	Central Region (Region 4)		
California Dept. of Fish and Wildlife (CDFW)	Central Region (Region 6)		
California Dept. of Fish and Wildlife	Director	Charlton	Bonham
California Department of Health Services	Director	Michelle	Bass
California Department of Transportation	Office of the Director		
California Department of Transportation	Acting Division Chief, Div. of Aeronautics	Marlon	Flournoy
California Department of Transportation District 8	Acting District Director	Rebecca	Guirado
California Department of Transportation District 9	District Director	Ryan	Dermody
California Department of Transportation	District 8 Director	Catalino	Pining III
California Department of Transportation	District 9 Director	Ryan	Dermody
California Energy Commission	Executive Director	Drew	Bohan
California Natural Resources Agency	Secretary	Wade	Crowfoot
California Public Utilities Commission	Energy Division Dir	Leuwam	Tesfai
California Public Utilities Commission	CPUC Public Advisor	Allison	Brown
California Office of Historic Preservation	SHPO	Julianne	Polanco
California Regional Water Quality Control Board	Supervising Engineering Geologist, Lahontan Region	Jen	Zimmerman
California Regional Water Quality Control Board	Executive Officer Lahontan Region	Peter	Pumphrey
California State Lands Commission	Executive Director	Jennifer	Lucchessi
California State Water Resources Control Board	Engineering Geologist 401 Certification Unit	Snejana	Toneva
California State Water Resources Control Board	Executive Director	Eileen	Sobeck
Federal Agencies			
Organization	**Department / Title**	**First Name**	**Last Name**
Federal Aviation Administration	Western-Pacific Regional Administrator	Erik	Amend

Federal Aviation Administration	Manager Western-Pacific Region Airports Office Los Angeles Airports District Office	Cathryn	Carson
Federal Energy Regulatory Commision	Regional Engineer	Frank	Blackett
U.S. Air Force	Edwards Air Force Base Realty Specialist	Imelda	Bantilan
U.S. Army Corps of Engineers - Regulatory Division Los Angeles District	Division Chief	David	Castanon
U.S. Bureau of Land Management	PMC Project Manager California Desert District Office	Joan	Patrovsky
U.S. Bureau of Land Management	Barstow Field Office Manager	Marc	Stamer
U.S. Bureau of Land Management	NEPA Contact, Field Office	Jeremy	Vargas
U.S. Department of Defense/ Edwards Airforce Base	Environmental Public Affairs		
U.S. Department of the Interior Bureau of Land Management, California Desert District Office	MPA Realty Specialist	Abraham	Stanton
U.S. Fish and Wildlife Service	Public Affaris Specialist	Brandon	Honig
U.S. Fish and Wildlife Service	Regional Director, Pacific Southwest Region	Paul	Souza
Local Agencies			
Organization	**Department / Title**	**First Name**	**Last Name**
City of California City	City Clerk, City Council	Socorro	Chavez
City of California City	Mayor	Kelly	Kulikoff
City of California City	City Planner	LeShelle	Cooper
City of California City	Chair, Planning Commission	Jay	Dunham
City of California City	Council Member	Karen	Macedonio
City of California City	Planning Administrator	Lilia	Garcia
City of California City	Acting City Manager	Joe	Barragan
City of California City Public Works	Administrative Clerk, Public Works	Jennifer	Guzman
Eastern Kern Air Pollution Control District	Administrative Office	Glen	Stephens
Kern County	County Administrative Officer	James	Zervis
Kern County	Director Planning & Natural Resources Dept.	Lorelei	Oviatt
Kern County	Chair Planning Commision	Joe	Ashley
Kern County	Chairman Board of Supervisors District 3	Jeff	Flores
Kern County	Supervisor District 2	Zack	Scrivner
Kern County	Vice Chair of Board of Supervisors Distrct 1	Philip	Peters
Kern County Council of Governments		Becky	Napier

Kern County Economic Development Corporation	Administrative Specialist	Christina	Miller
Kern County Supervisors	Clerk of the Board of Supervisors	Kathleen	Krause
Mojave Desert Air Quality Management District	Executive Director	Brad	Poirez
Mojave Desert Air Quality Management District	Planning Air monitoring supervisor	Chris	Anderson
San Bernardino County	Assistant Director, Planning and Operations	Noel	Castillo
San Bernardino County	Third District Supervisor	Dawn	Rowe
San Bernardino County	First District Supervisor	Paul	Cook
San Bernardino County	Chair Planning Commision	Jonathan	Weldy
San Bernardino County	Assisstant Director Special Districts	David	Doublet
San Bernardino County	Chief Executive Officer	Luther	Snoke
San Bernardino County Planning	Land Use Services Director	Heidi	Duron
San Bernardino County Public Works	Public Works Director	Brendon	Biggs
Southern California Association of Governments	Government and Public Affairs	Sarah	Patterson
NAHC Non-Statutory Tribes			
Organization	**Department / Title**	**First Name**	**Last Name**
Kern Valley Indian Community	Chairperson	Robert	Robinson
Kitanemuk & Yowlumne Tejon Indians	Chairperson	Delia	Dominguez
San Fernando Band of Mission Indians	Chairperson	Donna	Yocum
Serrano Nation of Mission Indians	Co-Chairperson	Wayne	Walker
Serrano Nation of Mission Indians	Co-Chairperson	Mark	Cochrane
Tubatulabals of Kern Valley	Chairperson	Robert	Gomez
Tule River Indian Tribe	Chairperson	Neil	Peyron
North American Electric Reliability Council			
Other Groups			
Organization	**Department / Title**	**First Name**	**Last Name**
Big West			
Western Energy Coordinating Council	Administrative Services		

Appendix B

Notice of Scoping Meetings and Release of the Notice of Preparation and Notice of Preparation

California Public Utilities Commission

Notice of Scoping Meetings and Release of Notice of Preparation (NOP) of an Environmental Impact Report (EIR) for the Cal City Substation 115 kV Upgrade Project

Notice is hereby given that the California Public Utilities Commission (CPUC), as lead agency for the purposes of the California Environmental Quality Act (CEQA) review, has released a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) and will be hosting scoping meetings for the proposed Cal City Substation 115 kV Upgrade Project (Project). The Project would be located in unincorporated Kern and San Bernardino Counties, the City of California City, lands managed by the U.S. Bureau of Land Management (BLM), and in Edwards Air Force Base (EAFB) in the Mojave Desert region of California. The primary components of the Southern California Edison (SCE) Project include expansion of the existing Cal City Substation, construction of two new overhead 115 kV subtransmission lines with telecommunication cables, and telecommunication and electrical infrastructure improvements at the existing Holgate Switchyard, Kramer Substation, and Edwards Substation. SCE is proposing the Project to provide the necessary capacity to meet the electrical needs of its customers in the Electrical Needs Area (ENA) identified for the Project.

Pursuant to CEQA, the CPUC is preparing an EIR for the Project and is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in it. The NOP may be accessed online at the CPUC's website for the Project: https://ia.cpuc.ca.gov/environment/info/esa/CalCity/index.html. The NOP is also available for public review by request at the California City Branch Library: 9507 California City Blvd. in California City. Initiated by the release of the NOP, the 30-day scoping period is from Wednesday, November 8, 2023, through Friday, December 8, 2023. Scoping comments may be submitted in writing during the 30-day NOP scoping period by mail to: Boris Sanchez, CPUC Cal City Project; Attn. M. Hensel c/o Environmental Science Associates at 775 Baywood Drive, Suite 100, Petaluma, CA 94954; or by email to CalCitySub@esassoc.com. In order for the public and regulatory agencies to have an opportunity to submit verbal comments on the scope of the EIR, two virtual meetings will be held on Thursday, November 30, 2023. One meeting will be from 2:30 to 4:00 p.m. and one will be from 6:30 to 8:00 p.m. The meetings will be accessible via Zoom: https://bit.ly/CPUCScopingMeeting or by phone at: (888) 788-0099. Webinar ID: 850 0342 5465

Meeting Information	**Virtual Meeting No. 1**	**Virtual Meeting No. 2**
Day and Date	Thursday, November 30, 2023	Thursday, November 30, 2023
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/CPUCScopingMeeting or by phone: (888) 788-0099 Webinar ID: 850 0342 5465	

To: **State Clearinghouse, Responsible and Trustee Agencies, Property Owners & Interested Parties**

From: **Mr. Boris Sanchez, CPUC Project Manager**

Subject: **NOTICE OF PREPARATION (NOP) OF AN ENVIRONMENTAL IMPACT REPORT (EIR) AND NOTICE OF PUBLIC SCOPING MEETING for the Cal City Substation 115 kV Upgrade Project (A.23-03-005)**

Date: **November 8, 2023**

INTRODUCTION

Southern California Edison (SCE) has filed an application (A.23-03-005) with the California Public Utilities Commission (CPUC) for a Permit to Construct (PTC) its proposed Cal City Substation 115 kilovolt (kV) Upgrade Project (Project). SCE is proposing the Project to provide the necessary capacity to meet the electrical needs of its customers in the Electrical Needs Area (ENA) identified for the Project. The CPUC, as lead agency under the California Environmental Quality Act (CEQA), will prepare an Environmental Impact Report (EIR) to analyze the effects of the proposed Project in compliance with CEQA. The CPUC has reviewed the application submitted March 14, 2023, and deemed the application complete. In order to obtain early feedback on the environmental issues to be addressed in the EIR, the CPUC is initiating the scoping process to inform the CEQA review with a scoping period from November 8 through December 8, 2023.

PUBLIC SCOPING MEETINGS NOTICE

Two Zoom meetings will be held Thursday, November 30, 2023

Meeting Information	**Virtual Meeting No. 1**	**Virtual Meeting No. 2**
Day and Date	Thursday, November 30, 2023	Thursday, November 30, 2023
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/CPUCScopingMeeting or by phone: (888) 788-0099 Webinar ID: 850 0342 5465	

What is Scoping?

The purpose of this NOP is to inform recipients that the CPUC is beginning the scoping process and preparing an EIR for the proposed Project. Scoping is the process of soliciting public and agency input regarding the scope and content of an EIR, in advance of its preparation. Pursuant to CEQA, the CPUC is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in the EIR.

This notice includes a brief description of the Project, a brief summary of the anticipated potential impacts, information on public meetings, and how to provide input on the scope and content of the EIR. After the public scoping period has ended, a Scoping Report will be prepared to summarize the comments received. This NOP and the Scoping Report will be included as an appendix to the EIR and is also available on the CPUC's website for the Project with other Project documents and reports, including SCE's application and PEA, at the following link:

https://ia.cpuc.ca.gov/environment/info/esa/CalCity/index.html

Separate NEPA Review

As described below, portions of the Project would be constructed and operated on federal lands managed by the U.S. Bureau of Land Management (BLM) and the U.S. Department of Defense (DoD) at Edwards Air Force Base (EAFB); therefore, the Project will also be subject to environmental review under the National Environmental Policy Act (NEPA). The federal environmental review process will occur independent of the CEQA review process and is anticipated to begin mid-2024.

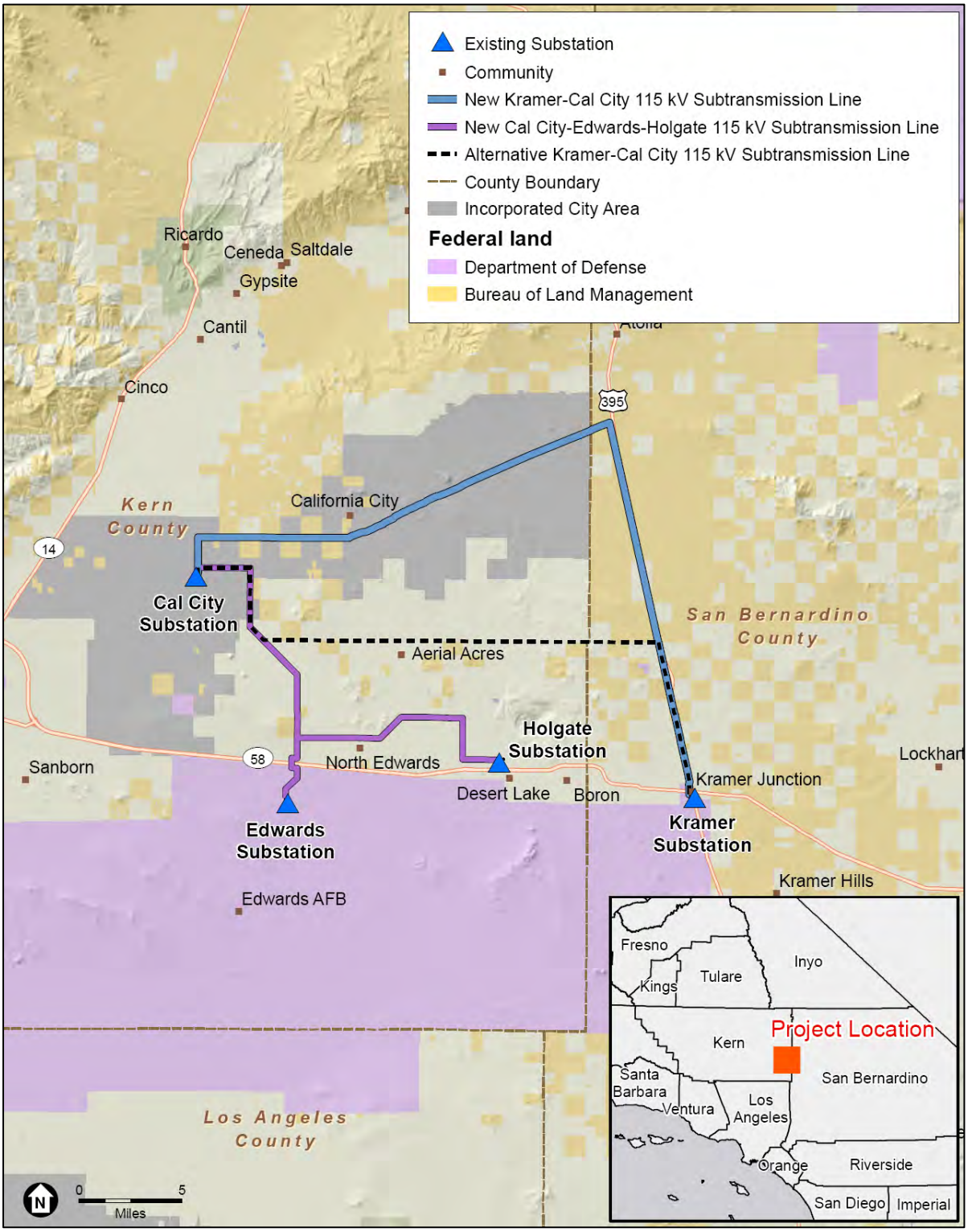
PROJECT LOCATION

The Project would be located in unincorporated Kern and San Bernardino Counties, the City of California City, and lands managed by BLM and DoD in the Mojave Desert region of California. Figure 1, *Project Location*, depicts an overview of the proposed Project in the context of regional jurisdictions.

PROJECT DESCRIPTION

The Project would include the expansion of the existing 5-acre Cal City Substation by approximately 10 acres to upgrade the substation from 33/12 kV to 115/33 kV and 115/12 kV. Fourteen new underground 12 kV distribution getaways and two new underground 33 kV distribution getaways from Cal City Substation are also proposed. The Project would include construction of two new 115 kV subtransmission lines, a 42-mile overhead line from Kramer Substation to Cal City Substation, and a new overhead 28-mile line from Cal City Substation to Holgate Switchyard with a tap line to serve Edwards Substation located on EAFB. The proposed new 115 kV subtransmission lines would be installed with telecommunication cables and telecommunication improvements would also be installed at the existing Holgate Switchyard and Cal City, Kramer, and Edwards substations. The Project would require electrical infrastructure improvements to accommodate the new 115 kV lines within the existing fence lines at Edwards Substation, Holgate Switchyard, and Kramer Substation.

The Project would also include the transfer of several miles of distribution lines onto the proposed new subtransmission lines, including: the transfer of a total of approximately 5 miles of existing 33 kV



SOURCE: ESA, 2023; SCE, 2023

Figure 1
Project Location

distribution lines to the new Kramer-Cal City 115 kV line structures, and removal of approximately 151 existing distribution structures along the line segments; and the transfer of approximately 2 miles of existing 33 kV and approximately 2 miles of existing 12 kV distribution lines to the new Cal City-Edwards-Holgate 115 kV line structures, and removal of approximately 90 existing distribution structures along the line segments.

Applicant Proposed Measures

As part of the Project, SCE has committed to implementing applicant proposed measures (APMs) to reduce its potential impacts. The EIR will evaluate these measures as part of the SCE's Project, and the CPUC will develop additional mitigation measures to reduce or avoid any significant impacts of the Project identified in its analysis.

Project Objectives

SCE's stated purpose of the Project is to add load-serving capacity in the identified ENA to serve current and long-term forecast electrical demand. The Project would improve system operational flexibility for SCE to provide power to the ENA (adjacent to military base) by minimizing reliance on the Edwards Substation (located on a military base with restricted access). By providing diverse routes of power supply to the region, including a second 115 kV source line to Edwards Substation, the Project would improve overall system reliability within the ENA.

SCE has identified the following basic objectives for the Project:

- Add load-serving capacity in the ENA to serve current and long-term forecast electrical demand;
- Improve system reliability within the ENA by providing diverse routes of power supply to the region;
- Improve system operational flexibility by minimizing the reliance on Edwards Substation (located on military base with restricted access) to provide power to the ENA (adjacent to military base); and
- Improve system reliability within the ENA by providing a diversely-routed second 115 kV source line to Edwards Substation.

As lead agency under CEQA, the CPUC is responsible for identifying appropriate Project objectives, which may differ from SCE's objectives described above, to inform the CEQA process/evaluation, including the development and screening of Project alternatives. The CPUC has not yet identified the CEQA objectives for the Project.

ISSUES TO BE ADDRESSED IN THE EIR

It has been determined that an EIR is required for the CEQA review because the Project could result in potentially significant impacts to environmental resources. The EIR will address all of the issues identified in the CEQA Environmental Checklist Form (see CEQA Guidelines Appendix G), including aesthetics, air quality, biological resources, cultural and tribal resources, energy conservation, geology and soils (including paleontology), greenhouse gas emissions, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation, utilities and service systems, and wildfire.

Probable Environmental Effects

SCE has indicated that the Project environmental impacts that would be most severe would be associated with: aesthetics, air quality, biological resources, cultural resources, paleontological resources, hazards and hazardous materials, hydrology, noise, and recreation. Those impacts identified by SCE are summarized below.

- ***Aesthetics:*** In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings (public views are those that are experienced from publicly accessible vantage points); the Project would potentially impact the visual character of public lands used for recreational purposes;
- ***Air Quality:*** Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard; expose sensitive receptors to substantial pollutant concentrations;
- ***Biological Resources:*** Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or the U.S Fish and Wildlife Service (USFWS); the Project would be located in designated critical habitat of Mohave Desert Tortoise and may effect habitats of other listed species; have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the CDFW or USFWS; have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, and coastal) through direct removal, filling, hydrological interruption, or other means; conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance;
- ***Cultural Resources:*** Inadvertent disturbance of any cultural resources or human remains, including those interred outside of dedicated cemeteries;
- ***Paleontology:*** Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature;
- ***Hazards and Hazardous Materials:*** Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials or reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment; emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school; create a significant hazard to air traffic from the installation of new power lines and structure; expose people to a significant risk of injury or death involving unexploded ordnance;
- ***Hydrology and Water Quality:*** Based on the current design, the proposed Project would result in approximately 16 acres of temporary impacts to potentially jurisdictional wetlands or waters during construction. Site disturbance may violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality; substantially alter the existing drainage pattern of the site or area in a manner which could: result in substantial erosion or siltation on site or off site; substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site; and/or contribute runoff water which would exceed the

capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff. The Project could also impede or redirect flood flows; risk release of pollutants due to project inundation; and may conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan;

- ***Noise:*** Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies; and
- ***Recreation:*** Reduce or prevent access to a designated recreation facility or area.

Mitigation Measures, Cumulative Impacts, and Alternatives

The EIR will include CPUC's independent evaluation of the effects described above and other potentially significant environmental effects of the Project, including those resulting from its construction, operation, and maintenance. Where necessary and feasible, mitigation measures will be recommended (in addition to or to supersede SCE APMs) to avoid or reduce potentially significant impacts. The EIR will also address potential cumulative environmental impacts of the Project, when considered with past, other current, and reasonably foreseeable future projects in the region.

The EIR will include a discussion and analysis of a reasonable range of alternatives to the Project, including a No Project alternative scenario, and alternatives to the Project that could attain most of its basic CEQA objectives while avoiding or reducing any of its significant environmental effects. SCE has identified several alternatives in its PEA, including the Sequoia Boulevard Alternative (depicted as the Alternative Kramer-Cal City 115 kV Substation Line on Figure 1), that will be considered by the CPUC's environmental review team and potentially carried forward for full analysis in the EIR. Other alternatives may be added to the analysis based on input received during the 30-day scoping period following issuance of this NOP, or by the EIR team to reduce or eliminate potentially significant environmental impacts identified during the EIR process.

Public Resources Code Section 21092.6(a)

Per Public Resources Code Section 21092.6(a), if the Project site or site of any project alternative to be analyzed is a site listed on the "Cortese list" of hazardous waste site, then this information must be included in the NOP. According to SCE, EAFB is a known hazardous materials release site and is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 (Cortese List) and two Cleanup and Abatement Orders were issued on EAFB in 1987 and 1988, which have an active status and pertain to a Leaking Underground Storage Tank case located approximately 3 miles south of the Project alignment on EAFB.

ISSUES THAT WILL NOT BE ADDRESSED IN THE EIR

Non-environmental issues such as economic impacts and assessment of Project need are outside the scope of CEQA and will not be addressed in the EIR, but those issues may be addressed through the CPUC's concurrent proceeding for the Project. The EIR will also not consider electric and magnetic fields (EMFs) that would be generated by the Project in the context of the CEQA analysis of potential environmental

impacts, for two reasons: (1) There is no agreement among scientists that EMFs create a potential health risk; and (2) there are no defined or adopted CEQA standards for defining health risk from EMFs.

PUBLIC SCOPING PERIOD FOR THIS NOTICE OF PREPARATION

Information to be included in the EIR will be based in part on input and comments received during the scoping period. Decision-makers, responsible and trustee agencies under CEQA, property owners, and members of the public will also have an opportunity to comment on the Draft EIR once it is issued. Pursuant to CEQA, the scoping period will be 30 days following the release of this NOP. The scoping period for this Project begins on Wednesday, November 8, 2023, and closes at 5:00 p.m. on Friday, December 8, 2023. Please include the name, organization (if applicable), mailing address, and e-mail address of the contact person for all future notifications related to this process. Public comments will become part of the public record and will be published in a Scoping Report.

Please send your comments by mail to:

Boris Sanchez, CPUC
Cal City Project; Attn. M. Hensel
c/o Environmental Science Associates
775 Baywood Drive, Suite 100, Petaluma, CA 94954;
or via electronic mail: CalCitySub@esassoc.com

SCOPING MEETINGS

In order for the public and regulatory agencies to have an opportunity to submit comments on the scope of the EIR for the Project, virtual meetings will be held November 30, 2023 during the NOP scoping period. Information about the virtual meetings is included in the table below. For the first half hour of the meetings, CPUC will host a workshop to clarify a) the CPUC's process for reviewing the application; b) the environmental review process; and c) details on how the public can become involved with each of these processes. Following the workshop, the CPUC will hold the official scoping meeting beginning with a brief presentation providing an overview of the Project and alternatives identified to date. Following this presentation, agencies and the public will have an opportunity to provide verbal comments to inform the scope of the environmental review. Written comments will be accepted throughout the NOP scoping period to the address and/or email. A QR code to join either meeting is also provided.

Meeting Information	Virtual Meeting No. 1	Virtual Meeting No. 2
Day and Date	Thursday, November 30, 2023	Thursday, November 30, 2023
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/CPUCScopingMeeting or by phone: (888) 788-0099 Webinar ID: 850 0342 5465	

Appendix C

Newspaper Notices and County Clerk Postings

AFFIDAVIT OF PUBLICATION

State of California
County of Kern

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the Mojave Desert News, a newspaper that has been adjudicated to be a newspaper of general circulation by the Superior Court of the County of Kern, State of California on October 13th 1939 Case number 34058 in and for the County of Kern State of California that the notice which the annexed is a true printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit
I certify under the penalty of perjury under the laws of the State of California that the foregoing is true.
11/8/2023
11/15/2023

signed:
Misty Hickok
11/15/2023

California Public Utilities Commission Notice of Preparation (NOP) of an Environmental Impact Report (EIR) and Notice of Scoping Meetings for the Cal City Substation 115 kV Upgrade Project

Notice is hereby given that the California Public Utilities Commission (CPUC), as lead agency for the purposes of the California Environmental Quality Act (CEQA) review, has released a Notice of Preparation (NOP) of an Environmental Impact Report (EIR) and will be hosting scoping meetings for the proposed Cal City Substation 115 kV Upgrade Project (Project). The Project would be located in unincorporated Kern and San Bernardino Counties, the City of California City, lands managed by the U.S. Bureau of Land Management (BLM), and in Edwards Air Force Base (EAFB) in the Mojave Desert region of California. The primary components of the Southern California Edison (SCE) Project include expansion of the existing Cal City Substation, construction of two new overhead 115 kV subtransmission lines with telecommunication cables, and telecommunication and electrical infrastructure improvements at the existing Holgate Switchyard, Kramer Substation, and Edwards Substation. SCE is proposing the Project to provide the necessary capacity to meet the electrical needs of its customers in the Electrical Needs Area (ENA) identified for the Project.

Pursuant to CEQA, the CPUC is preparing an EIR for the Project and is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in it. The NOP may be accessed online at the CPUC's website for the Project: https://ia.cpuc.ca.gov/environment/info/esa/CalCity/index.html. The NOP is also available for public review by request at the California City Branch Library: 9507 California City Blvd. in California City. Initiated by the release of the NOP, the 30-day scoping period is from Wednesday, November 8, 2023, through Friday, December 8, 2023. Scoping comments may be submitted in writing during the 30-day NOP scoping period by mail to: Boris Sanchez, CPUC Cal City Project: Attn. M. Hensel c/o Environmental Science Associates at 775 Baywood Drive, Suite 100, Petaluma, CA 94954; or by email to CalCitySub@esassoc.com. In order for the public and regulatory agencies to have an opportunity to submit verbal comments on the scope of the EIR, two virtual meetings will be held on Thursday, November 30, 2023. One meeting will be from 2:30 to 4:00 p.m. and one will be from 6:30 to 8:00 p.m. The meetings can be accessed via Zoom: https://bit.ly/CPUCScopingMeeting (the QR code may be used to join either meeting) or by phone at (888) 788-0099. Webinar ID: 850 0342 5465.

Published in The Mojave Desert News
11/08, 11/15/2023

California Public Utilities Commission

To: **State Clearinghouse, Responsible and Trustee Agencies, Property Owners & Interested Parties**

From: **Mr. Boris Sanchez, CPUC Project Manager**

Subject: **NOTICE OF PREPARATION (NOP) OF AN ENVIRONMENTAL IMPACT REPORT (EIR) AND NOTICE OF PUBLIC SCOPING MEETING for the Cal City Substation 115 kV Upgrade Project (A.23-03-005)**

Date: **November 8, 2023**

COUNTY OF SAN BERNARDINO
NOV 08 2023
CLERK OF THE BOARD
CLERK OF THE BOARD
Received on: 11/8/23
Remove on: 12/9/23

INTRODUCTION

Southern California Edison (SCE) has filed an application (A.23-03-005) with the California Public Utilities Commission (CPUC) for a Permit to Construct (PTC) its proposed Cal City Substation 115 kilovolt (kV) Upgrade Project (Project). SCE is proposing the Project to provide the necessary capacity to meet the electrical needs of its customers in the Electrical Needs Area (ENA) identified for the Project. The CPUC, as lead agency under the California Environmental Quality Act (CEQA), will prepare an Environmental Impact Report (EIR) to analyze the effects of the proposed Project in compliance with CEQA. The CPUC has reviewed the application submitted March 14, 2023, and deemed the application complete. In order to obtain early feedback on the environmental issues to be addressed in the EIR, the CPUC is initiating the scoping process to inform the CEQA review with a scoping period from November 8 through December 8, 2023.

PUBLIC SCOPING MEETINGS NOTICE

Two Zoom meetings will be held Thursday, November 30, 2023

Meeting Information	Virtual Meeting No. 1	Virtual Meeting No. 2
Day and Date	Thursday, November 30, 2023	Thursday, November 30, 2023
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/CPUCScopingMeeting or by phone: (888) 788-0099 Webinar ID: 850 0342 5465	

1123 738

CEQA
Transmittal Memorandum for 2023

RECEIVED
KERN COUNTY

NOV 08 2023

AIMEE X. ESPINOZA
AUDITOR-CONTROLLER-COUNTY CLERK
BY PS DEPUTY

Attach one transmittal memorandum to the front of the original CEQA document. Clip copies in back.
1) If notice requires F&W receipt, you must provide a minimum of 3 copies of the document.
2) If notice does not require F&W receipt, you must provide a minimum of 2 copies of the document.

TYPE OR PRINT CLEARLY

LEAD AGENCY: California Public Utilities Commission

PROJECT TITLE: Cal City Substation 115 kV Upgrade Project

PROJECT APPLICANT: Southern California Edision

PHONE NUMBER: (909) 274-3479

PROJECT APPLICANT ADDRESS: 2 Innovation Way, Pomona, California 91768

WORK ORDER #_____ ☒ 30-Day Posting ☐ 35-Day Posting ☐ 45-Day Posting ☐ Other_____

CONTACT PERSON: Matt Fagundes PHONE NUMBER: 707.815.7331

CHECK DOCUMENT BEING FILED: ☐ ☐ ☐ ☐

☐ Notice of Availability.....No Fee

☐ Notice of Intent.....No Fee

☒ Notice of Preparation.....No Fee

☐ Notice of Public Hearing.....No Fee

☐ Other _____ .....No Fee

☐ Environmental Impact Report (EIR).....$3839.25
- ☐ Previously paid F&W (**must attach F&W receipt**) F&W Receipt Number#_____
- ☐ DFG No Effect Determination (**F&W letter must be attached**).....No Fee
- ☐ County Administrative Fee.....$50.00

☐ Mitigated Negative Declaration or Negative Declaration.....$2764.00
- ☐ Previously paid F&W (**must attach F&W receipt**) F&W Receipt Number#_____
- ☐ DFG No Effect Determination (**F&W letter must be attached**).....No Fee
- ☐ County Administrative Fee.....$50.00

☐ Notice of Exemption.....No Fee
- ☐ County Administrative Fee.....$50.00

TOTAL $_____

*Additional copies to be returned to: _____
*Method of return: ☐ Hold for pick-up/Call #_____ ☐ Interoffice Mail

PAYMENT METHOD: ALL APPLICABLE FEES MUST BE PAID AT THE TIME OF FILING

☐ JV - Trans Code _____ Dept_____ Fund_____ Expense Key_____
☐ Money Order
☐ Check

Notice of Environmental Document
Posted by County Clerk on 11/08/2023
and for 30 days thereafter, Pursuant to
Section 21152(C), Public Resources Code

24460

California Public Utilities Commission

FILED
KERN COUNTY
NOV 08 2023
AIMEE X. ESPINOZA
AUDITOR CONTROLLER-COUNTY CLERK
BY PD DEPUTY

To: **State Clearinghouse, Responsible and Trustee Agencies, Property Owners & Interested Parties**

From: **Mr. Boris Sanchez, CPUC Project Manager**

Subject: **NOTICE OF PREPARATION (NOP) OF AN ENVIRONMENTAL IMPACT REPORT (EIR) AND NOTICE OF PUBLIC SCOPING MEETING for the Cal City Substation 115 kV Upgrade Project (A.23-03-005)**

Date: **November 8, 2023**

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Protecting California since 1911

The CPUC regulates privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies.

24460

Notice of Environmental Document
Posted by County Clerk on 11/08/2023
and for 30 days thereafter, Pursuant to
Section 21152(C), Public Resources Code

Appendix D
Scoping Meeting Presentation

California Public Utilities Commission

SCE Cal City Substation 115 kV Upgrade Project

CEQA Scoping Meeting

Meeting Information	Virtual Meeting No. 1	Virtual Meeting No. 2
Day and Date	Thursday, November 30, 2023	Thursday, November 30, 2023
Time	2:30 to 4:00 p.m.	6:30 to 8:00 p.m.
Attend by	Zoom Link: https://bit.ly/CPUCScopingMeeting or by phone: (888) 788-0099 Webinar ID: 850 0342 5465	

CPUC Cal City Project Webpage:
https://ia.cpuc.ca.gov/environment/info/esa/CalCity/index.html.

Protecting California since 1911

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@CaliforniaPUC

Scoping Meeting Agenda

- Introductions
- Purpose of the Meeting
- Application and Permitting Process
- Environmental Review Process (CEQA)
- Project Overview
- Scoping: Environmental Impacts and Alternatives
- Public Comments
- Next Steps

Introductions

State Lead Agency (CEQA): California Public Utilities Commission (CPUC)

- Boris Sanchez, CPUC Project Coordinator

Consultant: Environmental Science Associates (ESA)

- Matt Fagundes, ESA Project Manager
- Maria Hensel, ESA
- Olivia Silverstein, ESA

Project Applicant: Southern California Edison Company (SCE)

Purpose of this Meeting

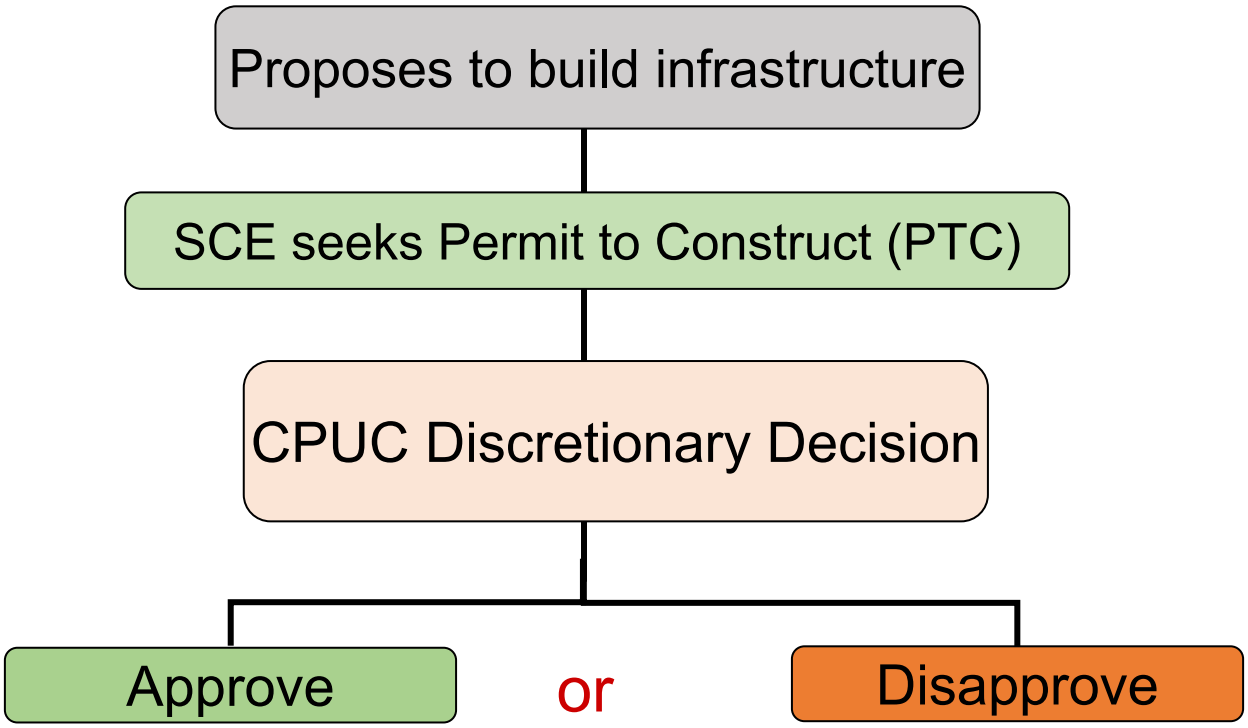
To receive input from the public, agencies, and interested parties to inform the scope and content of the environmental review.
Your ideas are welcome and invited.

What is Scoping?

- Scoping is the process of soliciting public and agency input regarding the scope and content of an EIR, in advance of its preparation.
- CPUC is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed in the EIR.

Application Process

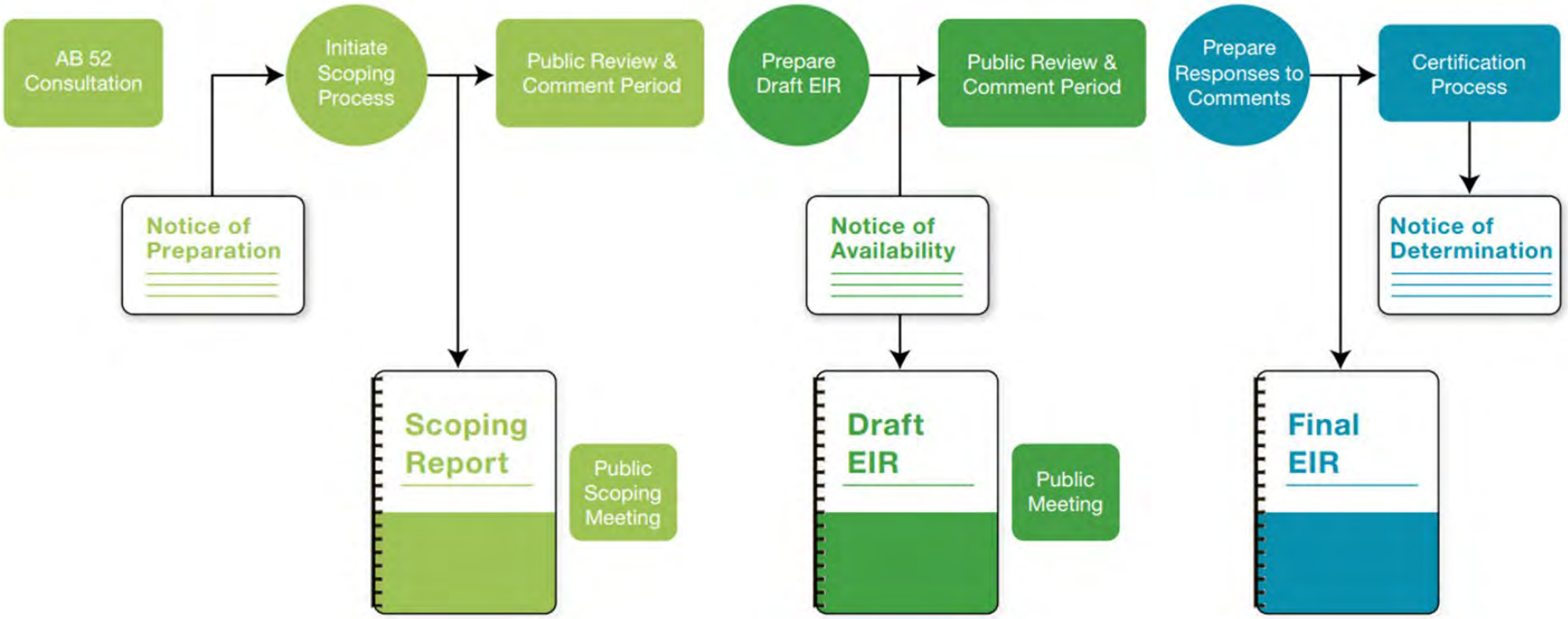
Southern California Edison (SCE)



CEQA Overview

- The California Environmental Quality Act
  - Inform decision makers and the public about the potential significant environmental effects of a proposed project
  - Identify ways that environmental damage can be avoided or significantly reduced
  - Prevent significant, avoidable damage to the environment through the use of alternatives or mitigation measures
  - Disclose to the public the reasons why a governmental agency approved the project if significant environmental effects are involved
- Focus on physical impacts to the environment

CEQA EIR Process



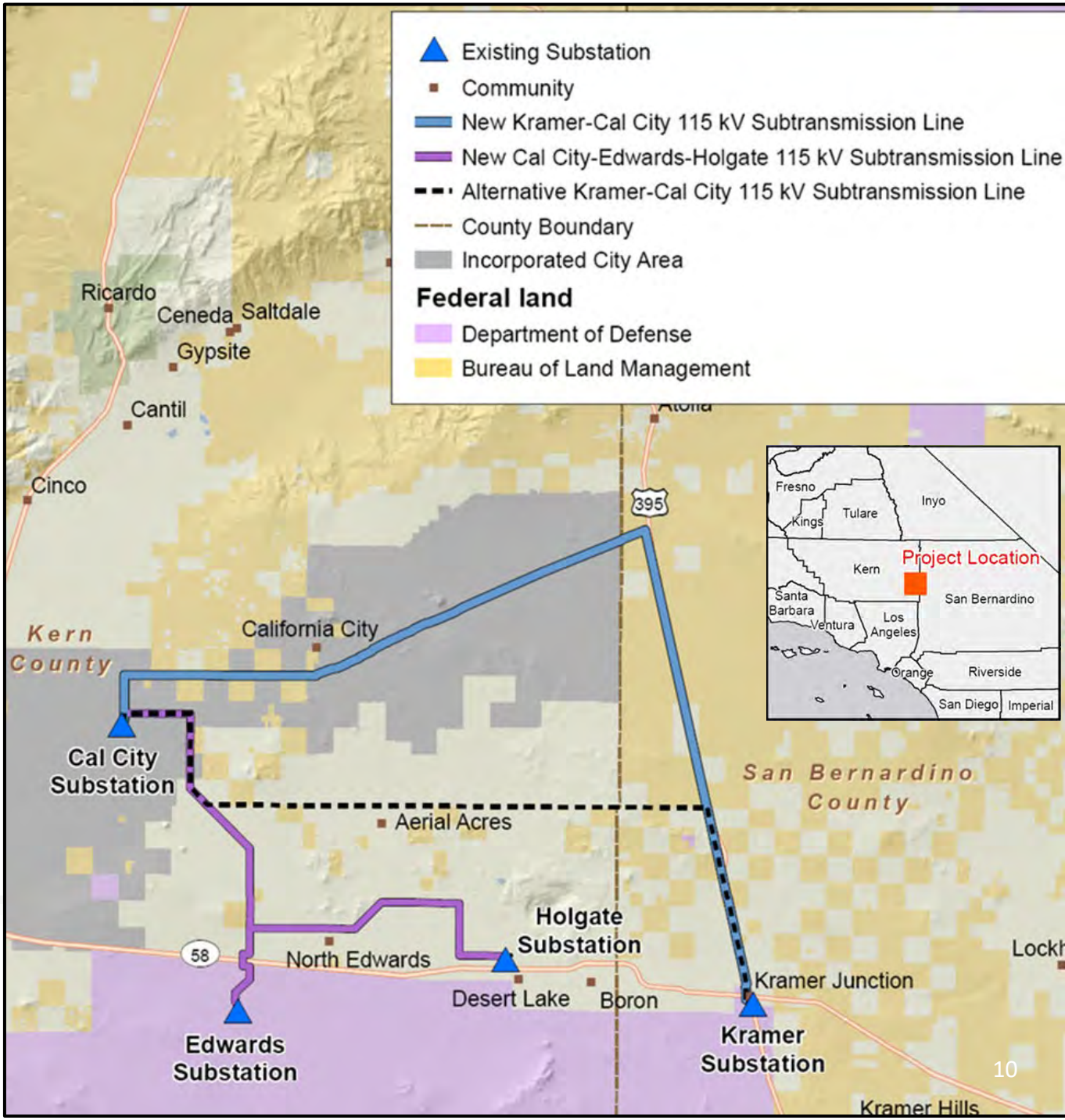
CEQA: Project Description

- **Construction**
  - What would be built
  - How would the project be built
    - Construction methodology
    - Equipment required
    - Workers required
  - Project schedule- duration/phases

- **Operations**
  - How would the project be operated
  - Operational personnel required

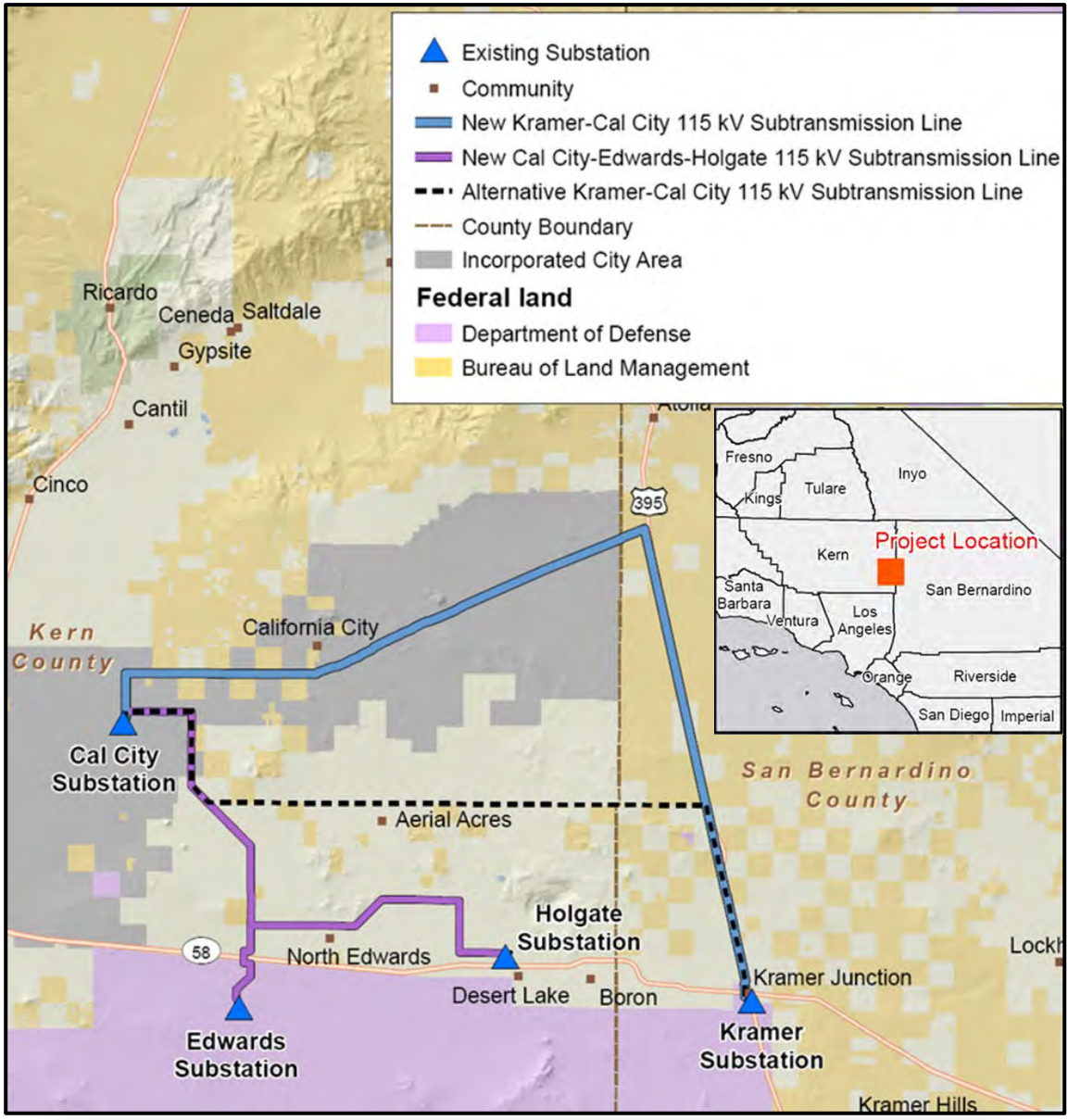
- **Maintenance**
  - How is the project maintained
  - When is maintenance performed
  - Maintenance personnel required

Project Location



Project Description

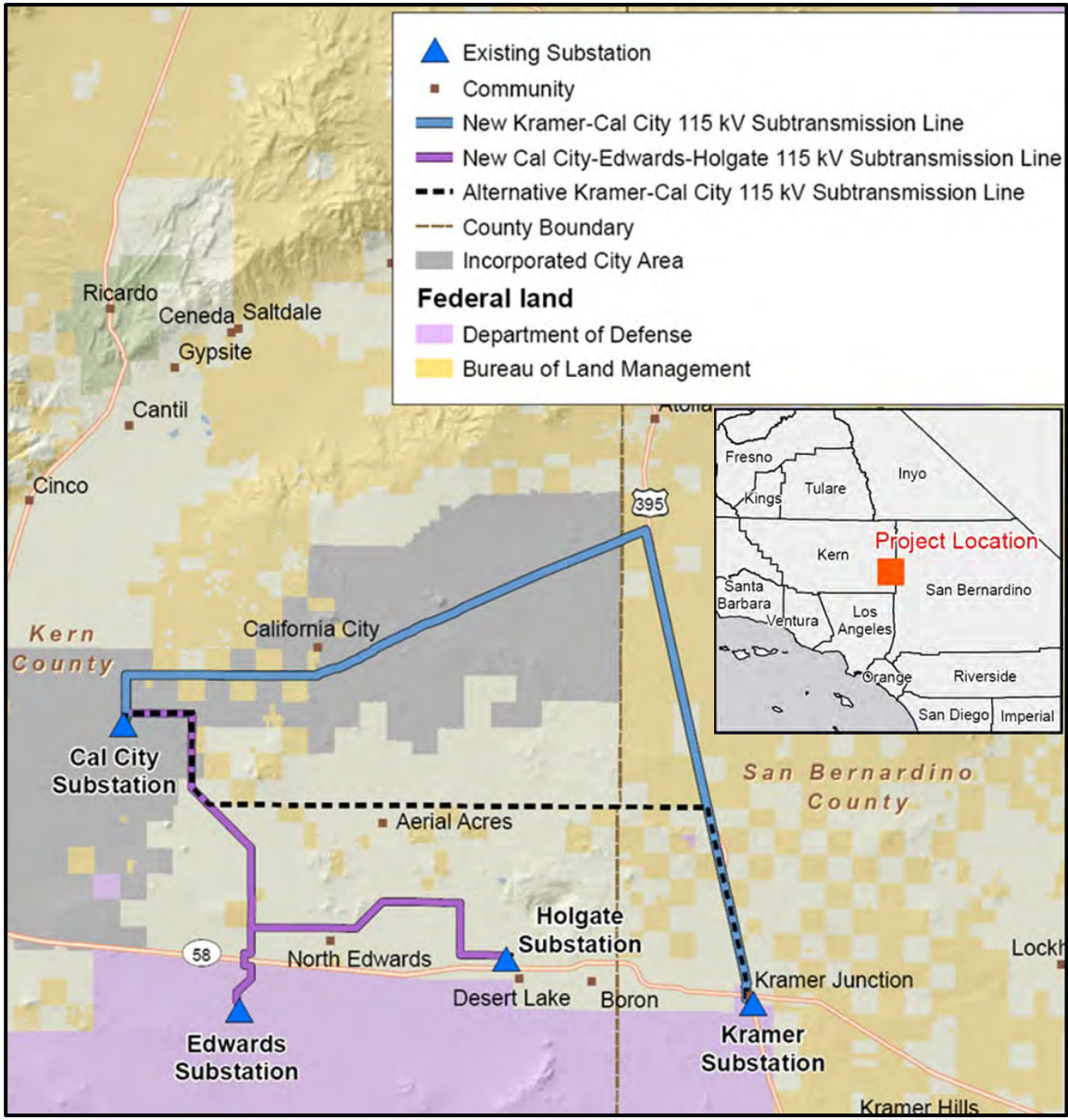
- 10-acre expansion of the existing (5-acre) Cal City Substation
- Upgrade the Cal City substation from 33/12 kV to 115/33 kV and 115/12 kV
- Fourteen new underground 12 kV distribution getaways
- Two new underground 33 kV distribution getaways from Cal City Substation



Existing Cal City Substation

Project Description

- Two new 115 kV subtransmission lines
  - 42-mile overhead line from Kramer Substation to Cal City Substation
  - 28-mile overhead line from Cal City Substation to Holgate Switchyard with a tap to Edwards Substation.
- Electrical and telecommunication upgrades
  - Kramer Substation
  - Edwards Substation (EAFB)
  - Holgate Switchyard



CEQA: Environmental Resource Areas

- Aesthetics
- Agriculture and Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation and Traffic
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire

For Each Resource Area . . .

- Define and Describe Existing Setting
  - Environmental setting
  - Regulatory setting
- Establish Thresholds of Significance
  - What defines a “significant” impact
- Identify Project Impacts and Mitigation
  - CPUC Mitigations
  - Significance after mitigation
- Evaluate Cumulative Impacts
- Impacts of Alternatives

CEQA: Project Alternatives

- Identify a range of reasonable alternatives to avoid or substantially lessen significant effects of the project
- Feasible
  - Legal, regulatory, technical
- Meet most basic project objectives

Project Objectives

SCE has identified the following objectives for the Project:

- Add load-serving capacity in the electrical needs area (ENA) to serve current and long-term forecast electrical demand;
- Improve system reliability within the ENA by providing diverse routes of power supply to the region;
- Improve system operational flexibility by minimizing the reliance on Edwards Substation (located on military base with restricted access) to provide power to the ENA (adjacent to military base); and
- Improve system reliability within the ENA by providing a diversely-routed second 115 kV source line to Edwards Substation.

Alternatives may include . . .

- Those considered or suggested by the
  - Southern California Edison
  - Public/agencies
  - Developed by CEQA team
- Project Alternatives:
  - Locations
  - Routes
  - Technology (e.g., underground lines)
  - Others?
- “No Project” alternative

To Get Involved in the CEQA Process

- You're on the right track!
  - Please stay on and provide your scoping input
- Scoping Process
  - Notice of Preparation sent on November 8, 2023
  - Scoping Period closes on December 8, 2023, at 5:00 p.m.
  - How to comment:
    - Verbally at this Scoping Meeting and/or by submitting a Comment Letter via Mail, or via Email
- Draft EIR
  - Anticipated release is March 2024

CPUC Project Webpage:

https://ia.cpuc.ca.gov/environment/info/esa/CalCity/index.html

How to Submit a Scoping Comment

Public Comment Mailing Address:

Boris Sanchez, CPUC

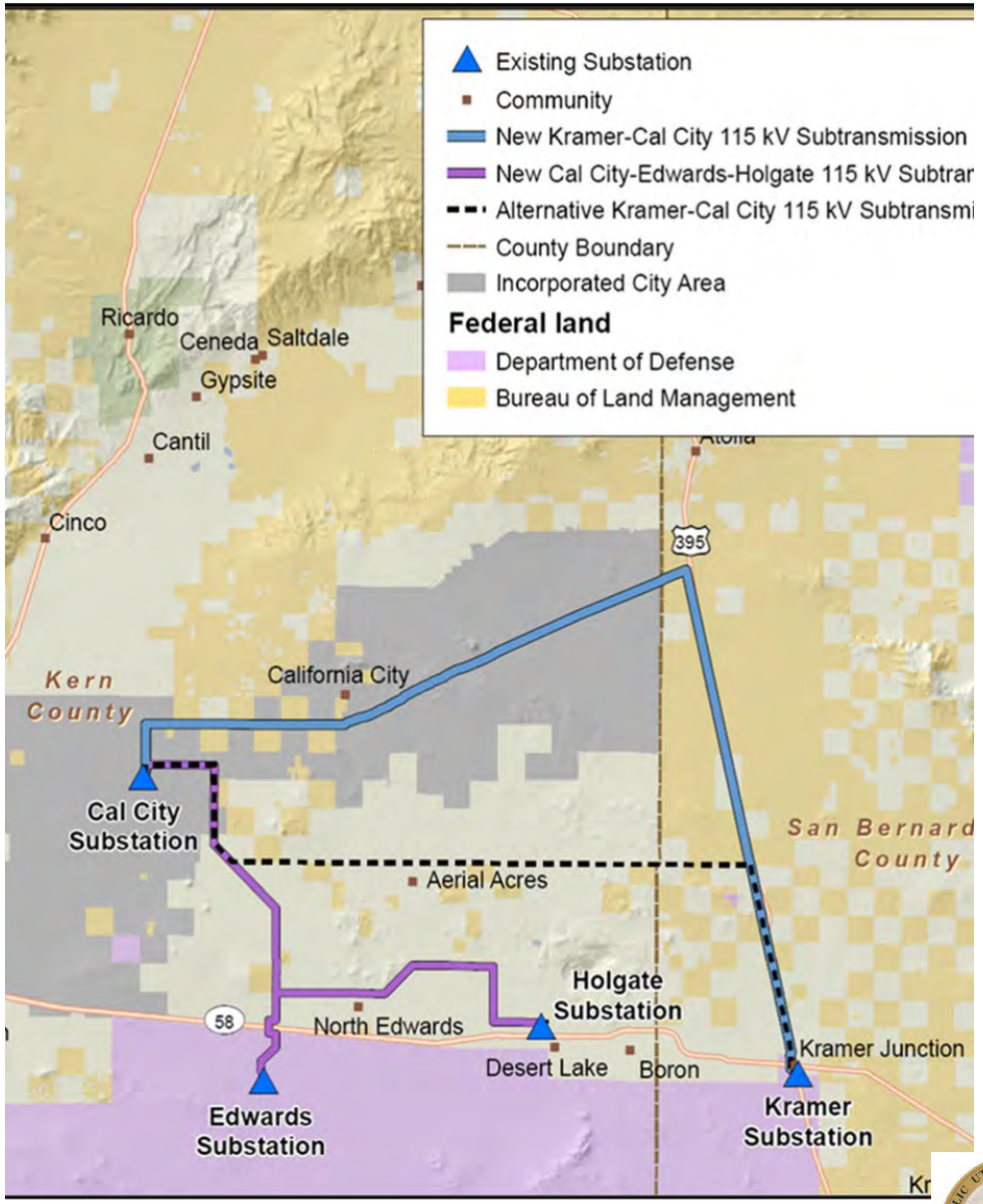
C/O Environmental Science Associates, Attn. M. Hensel

775 Baywood Drive; Suite 100, Petaluma, CA 94954

E-mail: CalCitySub@esassoc.com

Scoping Comment Deadline: (5 p.m.) December 8, 2023

Public Comments



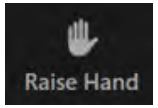
Discussion Guidelines

- Be concise
- Stay on topic
- Respect others' opinions
- Comments will be recorded
- Written comments are encouraged

Public Comments

Via the Zoom Platform

- Click the Raise Hand icon to be called on
- Submit comments in the Q&A box



By Telephone

- Dial *9 to request to raise hand

Thank you for joining!

Mailing Address:

Boris Sanchez, CPUC

C/O Environmental Science Associates, Attn. M. Hensel

775 Baywood Drive; Suite 100 Petaluma, CA 94954

E-mail: CalCitySub@esassoc.com

Scoping comments will be accepted through December 8, 2023

Webpage: https://ia.cpuc.ca.gov/environment/info/esa/CalCity/index.html

Appendix E
Scoping Meeting Transcripts

WEBVTT

1
00:00:00.560 --> 00:00:01.240
Maria Hensel, ESA: Hmm!

2
00:00:04.030 --> 00:00:06.089
Maria Hensel, ESA: A few discussion guidelines

3
00:00:07.780 --> 00:00:16.350
Maria Hensel, ESA: for the scoping meeting. Be concise if you can. Stay on topic. please respect others opinions.

4
00:00:18.070 --> 00:00:20.119
Maria Hensel, ESA: comments will be recorded.

5
00:00:21.160 --> 00:00:22.880
Maria Hensel, ESA: Written comments are encouraged.

6
00:00:23.230 --> 00:00:29.310
Maria Hensel, ESA: And please limit your comments to 3 min to give everyone a chance to provide input today.

7
00:00:34.140 --> 00:00:36.010
Maria Hensel, ESA: If you're calling in by phone.

8
00:00:36.710 --> 00:00:42.910
Maria Hensel, ESA: and you'd like to speak, please dial star 9 on your phone's keypad to request to speak.

9
00:00:44.350 --> 00:00:49.010
Maria Hensel, ESA: or if using the Zoom Platform, please press the raised hand icon.

10
00:00:49.780 --> 00:00:52.599
Maria Hensel, ESA: or submit your comments in the Q And A Box.

11
00:00:55.930 --> 00:00:57.840
Maria Hensel, ESA: And now we'd like to hear your input.

12
00:00:59.170 --> 00:01:02.589
Maria Hensel, ESA: it looks like we have one hand raised so far.

13
00:01:02.880 --> 00:01:06.899
Maria Hensel, ESA: Judy Herman. So I'm gonna hand it over to Stephen to

14
00:01:13.730 --> 00:01:23.330
Judy Hermann: mute. Okay, my property is section 25, township 11, range 10,

15
00:01:23.660 --> 00:01:30.020
Judy Hermann: and it looks like the yeah when I did the habitat

16
00:01:30.110 --> 00:01:46.099
Judy Hermann: site map, it looks like it's going right through the property. Is this going to be where the underground cables are? Or is this the wired

17
00:01:46.210 --> 00:01:51.740
Judy Hermann: terminals I'm see north of?

18
00:01:52.370 --> 00:01:57.190
Judy Hermann: Right at the you know. Do you see where I am

19
00:01:57.380 --> 00:01:58.990
Judy Hermann: where my property is.

20
00:02:02.810 --> 00:02:04.070
Judy Hermann: can you?

21
00:02:04.250 --> 00:02:09.550
Matt Fagundes, ESA: I'm sorry I don't. I don't think we have a map up it.

22
00:02:09.850 --> 00:02:17.580
Judy Hermann: That indicates where that property is. Is in the vicinity of Cal City substation. Yes. is

23
00:02:17.780 --> 00:02:29.420
Judy Hermann: Let me see, I think it's Rosamond Boulevard. It goes it. It's right right north of the freeway interchange.

24
00:02:31.080 --> 00:02:39.570
Judy Hermann: and it's east of way east of California City Boulevard, and it's between California City Boulevard and

25
00:02:39.700 --> 00:02:42.440
Judy Hermann: what is that Castle Butte drive?

26
00:02:42.470 --> 00:02:45.940
Judy Hermann: I think it's Rosamond

27
00:02:46.700 --> 00:02:49.609
Judy Hermann: boulevard that it's right.

28
00:02:49.750 --> 00:02:51.330
Judy Hermann: It's right off of right.

29
00:02:51.490 --> 00:02:56.389
Judy Hermann: But east west of that. Oh, gosh! Like

30
00:02:57.150 --> 00:03:01.559
Matt Fagundes, ESA: Judy, if I can give you my email address. Can you

31
00:03:02.560 --> 00:03:06.550
Matt Fagundes, ESA: provide me that information? We can get back to you on that?

32
00:03:07.080 --> 00:03:09.080
Judy Hermann: Okay, sure. What is it?

33
00:03:09.660 --> 00:03:21.999
Matt Fagundes, ESA: It's M FAGUNDES at ESA ssoc.com

34
00:03:22.480 --> 00:03:26.239
Judy Hermann: ESAS SOC

35
00:03:26.280 --> 00:03:28.320
Matt Fagundes, ESA: dot com correct.

36
00:03:29.650 --> 00:03:53.510
Matt Fagundes, ESA: we'd be glad to look at those maps and and find out exactly where your property is relative to the property tower. That is right next door. The underground component is right, pretty much on the grounds of the substation. So it's likely that there are towers in that area.

37
00:03:54.010 --> 00:03:56.540

Judy Hermann: Okay? And how tall are the Towers.

38
00:03:57.370 --> 00:04:04.080
Matt Fagundes, ESA: I don't have that information offhand. But again, if you send me those questions, we can get right back to you.

39
00:04:04.410 --> 00:04:05.430
Judy Hermann: Okay.

40
00:04:05.580 --> 00:04:16.179
Boris Sanchez, CPUC: And, Judy, if you have any trouble with that email address that you wrote down, the website will have all the information as well for an email and where to leave a voicemail and we'll be sure to get back to you.

41
00:04:16.339 --> 00:04:20.040
Judy Hermann: Okay. thank you very much, of course. Thank you.

42
00:04:32.490 --> 00:04:41.189
Maria Hensel, ESA: Okay, I don't currently see any other hands raised. Does anyone else have interest in providing some input or have questions?

43
00:04:42.240 --> 00:04:43.410
Maria Hensel, ESA: If so.

44
00:04:45.200 --> 00:04:46.300
Maria Hensel, ESA: raise your hand.

45
00:04:57.800 --> 00:04:59.689
Matt Fagundes, ESA: Maybe we could wait another

46
00:05:00.690 --> 00:05:04.289
Matt Fagundes, ESA: 5 min, 10 min or so. See if anyone else joins.

47
00:05:08.390 --> 00:05:15.740
Matt Fagundes, ESA: And again, if you do not want to provide verbal input, please feel free to provide written input.

48
00:05:16.520 --> 00:05:21.499
Matt Fagundes, ESA: the addresses we provided earlier.

49
00:05:31.660 --> 00:05:34.379

Maria Hensel, ESA: Okay, we have a few

50
00:05:37.160 --> 00:05:42.659
Maria Hensel, ESA: Karen Macedonian. Macedonio is requesting to speak.

51
00:05:43.970 --> 00:05:45.579
Maria Hensel, ESA: and there are a few others.

52
00:05:45.910 --> 00:05:55.990
Karen Macedonio: Macedonio. I am a council member for the city of California City. I'm wondering if these slides are accessible so that I can

53
00:05:56.150 --> 00:06:02.689
Karen Macedonio: tell residents where they can go get more information. Or if there's a recording of this.

54
00:06:06.100 --> 00:06:10.889
Boris Sanchez, CPUC: the slides will be available once this meeting is concluded, and you can

55
00:06:11.030 --> 00:06:16.889
Boris Sanchez, CPUC: feel free to share this information for the next meeting that will be taking place at 6 30 as well.

56
00:06:17.120 --> 00:06:25.930
Karen Macedonio: Okay. So do you just sign in with our email to get in, do you just automatically send the slides out? Or are they on your website.

57
00:06:27.510 --> 00:06:33.469
Matt Fagundes, ESA: Matt? Stephen? Do you know, if it's just to be posted on the website, it will be posted on the website. But

58
00:06:35.050 --> 00:06:39.429
Matt Fagundes, ESA: oh, actually it, it's a pretty big file, that PowerPoint presentation.

59
00:06:39.780 --> 00:06:44.709
Matt Fagundes, ESA: I was going to offer to send it out. But some email accounts can't

60
00:06:44.910 --> 00:06:46.479

Matt Fagundes, ESA: handle it.

61
00:06:46.820 --> 00:06:49.719
Matt Fagundes, ESA: we will eventually be posting this on

62
00:06:51.050 --> 00:06:52.910
Matt Fagundes, ESA: the CPUC’s

63
00:06:52.960 --> 00:06:55.370
Matt Fagundes, ESA: web page, though not immediately.

64
00:06:55.480 --> 00:06:57.299
Matt Fagundes, ESA: we provided a link to the project web page.

65
00:06:58.010 --> 00:07:10.630
Karen Macedonio: okay. So if our residents didn't get a chance to know about this today, and they're not available tonight, their next opportunity is the EIR draft correct?

66
00:07:10.960 --> 00:07:24.689
Matt Fagundes, ESA: They can still provide written comments through next Friday related to this scoping, and then after that, right correct, it'll be We anticipate that draft EIR will be ready sometime.

67
00:07:24.860 --> 00:07:27.099
Matt Fagundes, ESA: early to mid

68
00:07:27.290 --> 00:07:37.799
Karen Macedonio: next year. Okay, so could you please email me the addresses where the written comments could go so that I can make that available on the city website?

69
00:07:39.540 --> 00:07:42.270
Matt Fagundes, ESA: Yes, Steven, do you want? Can you? So, I think on the next slide we have that information as well.

70
00:07:42.860 --> 00:07:49.830
Karen Macedonio:

71
00:07:54.320 --> 00:08:00.640
Maria Hensel, ESA: And, Karen, I can get you a copy of this presentation. After this call.

72
00:08:01.110 --> 00:08:03.500
Maria Hensel, ESA: if you'd like to.

73
00:08:04.470 --> 00:08:08.879
Maria Hensel, ESA: do you submit a comment. Through the scoping email.

74
00:08:08.990 --> 00:08:13.299
Maria Hensel, ESA: The email is: calcitysub@esassoc.com.

75
00:08:13.380 --> 00:08:18.259
Maria Hensel, ESA: Yeah, I can send it to you. Okay, that would be perfect calcity.

76
00:08:19.960 --> 00:08:30.250
Karen Macedonio: I'm sorry I have a broken left wrist, so I only have one hand to use. Even writing is difficult calcity sub at Esa.

77
00:08:31.780 --> 00:08:34.510
Maria Hensel, ESA: ssoc.com.

78
00:08:34.539 --> 00:08:41.759
Karen Macedonio: Okay, perfect cause. I wanna make sure that if any of our residents have comments that they have the opportunity to make them

79
00:08:42.400 --> 00:08:44.389
Matt Fagundes, ESA: absolutely, we appreciate that.

80
00:08:44.630 --> 00:08:45.610
Karen Macedonio: Thank you.

81
00:08:49.490 --> 00:08:57.990
Maria Hensel, ESA: Okay. Next up looks like we have. J. Gerhard. To comment.

82
00:09:00.600 --> 00:09:09.699
jgerhard: yeah, Hi, I had a question. I have a couple pieces of land that are affected by this this project, and one of them is pretty close to

83
00:09:09.870 --> 00:09:12.329
jgerhard: the tortoise preserve, and I just wondered.

84

00:09:12.440 --> 00:09:24.470
jgerhard: how do you guys handle work if you're you know digging or come across one of these critters? What do you do? Do you stop work? And a team comes out and relocates it, or what do you do? In that case?

85
00:09:31.470 --> 00:09:32.180
Maria Hensel, ESA:

86
00:09:33.200 --> 00:09:42.960
Maria Hensel, ESA: I guess I could take that one. We understand that some of the project will be traversing critical critical habitat areas for the desert tortoise.

87
00:09:44.330 --> 00:09:47.850
Maria Hensel, ESA: So this will be evaluated as part of the EIR.

88
00:09:48.150 --> 00:09:52.729
Maria Hensel, ESA: and there'll be mitigation measures. Most likely, and/or avoidance measures

89
00:09:53.350 --> 00:09:54.510
Maria Hensel, ESA: to address that.

90
00:09:56.470 --> 00:09:58.230
jgerhard: Okay, thank you.

91
00:10:08.010 --> 00:10:12.749
Maria Hensel, ESA: Okay. Looks like Judy Herman has raised her hand again.

92
00:10:16.830 --> 00:10:27.490
Judy Hermann: Actually, you answered it because I know I wanted clarification of the email address for Boris Sanchez. So thank you.

93
00:10:36.340 --> 00:10:46.009
Boris Sanchez, CPUC: And again, we'll be displaying that information on the next slide, for you know. Full. Thank you. And then the best way to to gather all this information is the project web page.

94
00:11:11.320 --> 00:11:20.639
Maria Hensel, ESA: Okay, if anyone else has a comment or would like to speak. I just want to remind you you can dial star 9 on your phone

95

00:11:21.140 --> 00:11:30.270
Maria Hensel, ESA: or press the raise hand, icon, if you can't find it, it's if you look at the more at the base of your screen, it should be a

96
00:11:30.870 --> 00:11:38.230
Maria Hensel, ESA: Icon it says more, and it has 3 dots above it, and it could click on it. And it'll give you an option to raise your hand.

97
00:12:13.900 --> 00:12:21.440
Matt Fagundes, ESA: whereas maybe we can wait 5 more minutes or so. See if anyone else decides to provide a comment.

98
00:12:22.120 --> 00:12:23.779
Boris Sanchez, CPUC: Okay, sounds great

99
00:12:27.200 --> 00:12:32.300
Matt Fagundes, ESA: and just want to reiterate that. You know it's not only verbal comments. If you

100
00:12:32.360 --> 00:12:36.349
Matt Fagundes, ESA: would rather submit your written comments, please go ahead and do that as well.

101
00:13:41.540 --> 00:13:44.280
Maria Hensel, ESA: Stephen. Maybe we could just go ahead to the next slide

102
00:13:58.030 --> 00:14:11.660
Boris Sanchez, CPUC: again. Thank you. Thanks everyone for joining the email address is listed on this slide to be made out to myself or bsanchezcpuc. Care of Environmental Science Associates.

103
00:14:11.900 --> 00:14:19.079
Boris Sanchez, CPUC: Attention to M. Hensel. 775, Baywood Drive, Suite 100 Petaluma, California.

104
00:14:19.160 --> 00:14:24.680
Boris Sanchez, CPUC: 94954. The email again is calcitysub@esassoc.com

105
00:14:24.840 --> 00:14:28.979
Boris Sanchez, CPUC:

106
00:14:29.950 --> 00:14:35.390

Boris Sanchez, CPUC: And as a reminder, you'll be able to the easiest way if you're online

107
00:14:35.960 --> 00:14:41.400
Boris Sanchez, CPUC: calling in, you'll be able to Google search CPUC, calcity, current projects.

108
00:14:41.580 --> 00:14:48.230
Boris Sanchez, CPUC: CPUC, and it'll take you to the CPUC website, and you can scroll utilities. SCE

109
00:14:48.320 --> 00:14:51.889
Boris Sanchez, CPUC: Calcity and the project information will be there.

110
00:14:51.900 --> 00:14:57.879
Boris Sanchez, CPUC: including phone numbers, emails, mailing address, and all information pertaining to this project

111
00:15:02.660 --> 00:15:11.160
Boris Sanchez, CPUC: and feel free to join us for the meeting at 6 30. If you feel like you had any questions that you wanted to answer in person.

112
00:15:15.980 --> 00:15:23.510
Maria Hensel, ESA: It looks like we have another person raising their hand. Karen Macedonia. Hope I got your name right.

113
00:15:24.520 --> 00:15:36.859
Karen Macedonio: Macedonia. We're getting better by the third time we've got it perfect. Could you repeat the Google search, whether the search words and the Google search that's going to be something easy for me to spread there. Yeah, that should be easier. So CPUC.

114
00:15:37.560 --> 00:15:38.869
Boris Sanchez, CPUC: Cal City

115
00:15:40.270 --> 00:15:47.209
Boris Sanchez, CPUC: current projects and the first link will lead everybody to a list of utilities and the projects.

116
00:15:47.510 --> 00:16:05.139
Boris Sanchez, CPUC: and as long as they search SCE, it's the second one currently listed. And that'll link directly to the project website. Okay, that's something I think I can do even with my technology demons. And

then I can tell other people how to find it. Thank you very much. I appreciate that. Yes.

117
00:16:19.590 --> 00:16:21.159
Boris Sanchez, CPUC: wait 2 more minutes.

118
00:16:22.170 --> 00:16:25.909
We'll finish the meeting at 305. If no one has any further questions.

119
00:17:57.430 --> 00:18:09.210
Boris Sanchez, CPUC: Okay, with that, if there's no further questions, I think we conclude the first virtual meeting and again feel free to join the 6 30 virtual meeting and to follow up on the project website

120
00:18:09.450 --> 00:18:13.190
Boris Sanchez, CPUC: to find more ways to get in touch with us. Thank you very much.

121
00:18:14.830 --> 00:18:15.900
Matt Fagundes, ESA: Thank you. Everyone.

122
00:18:16.600 --> 00:18:17.549
Maria Hensel, ESA: Thank you.

WEBVTT

1
00:00:45.370 --> 00:00:50.319
Boris Sanchez: Good evening, everyone. We'll give everyone a few minutes before we get started today.

2
00:02:28.500 --> 00:02:30.760
Boris Sanchez: Welcome everyone. I'm starting in 2 minutes.

3
00:03:53.620 --> 00:04:05.610
Boris Sanchez: Okay, let's get started. This is CPUC. CEQA Scoping meeting second Virtual meeting for today for SCE’s calcity substation 115 kv upgrade project.

4
00:04:06.250 --> 00:04:11.840
This meeting is being recorded, and the presentation will also be available once the meeting is concluded.

5
00:04:12.520 --> 00:04:22.530
Boris Sanchez: If you know anybody that would like to attend this meeting. Please go ahead and share the Zoom link or the phone number listed on the slide. Right now.

6
00:04:22.630 --> 00:04:34.160
Boris Sanchez: you can also share the QR code as well. And the project website is listed as well. And that website's going to have all the important information regarding this project, including

7
00:04:34.230 --> 00:04:40.089
Boris Sanchez: phone numbers mailing address and just any updates following along.

8
00:04:40.210 --> 00:04:43.679
Boris Sanchez: And for anybody on the phone.

9
00:04:43.990 --> 00:04:58.409
Boris Sanchez: you can reach this website by googling the keywords CPUC calcity current projects. It should be the first link. You can scroll through the utilities in bold and find calcity underneath the SCE

10
00:05:00.860 --> 00:05:04.569
Boris Sanchez: thread of the project Information. next slide.

11

00:05:06.300 --> 00:05:10.289
Boris Sanchez: So for the scoping meeting, the agenda is, we're going to start with introductions.

12
00:05:11.300 --> 00:05:24.749
Boris Sanchez: the purpose of the meeting, the application and permitting process, the environmental review process for CEQA, project overview, scoping environmental impacts and alternatives.

13
00:05:24.990 --> 00:05:29.090
Boris Sanchez: and we'll pause for public comments and then discuss next steps.

14
00:05:32.010 --> 00:05:44.420
Boris Sanchez: So for introductions. My name is Boris Sanchez. I'm the CPUC Project Coordinator, and with the lead agency. and the consultant is ESA Matt Fagundes is the ESA Project manager.

15
00:05:44.690 --> 00:05:48.899
Boris Sanchez: Maria Hensel, supporting staff along with the Olivia Silverstein who's on the call as well.

16
00:05:50.100 --> 00:05:54.389
Boris Sanchez: and the project applicant is Southern California, Edison, SCE.

17
00:05:57.720 --> 00:06:06.550
Olivia Silverstein: The purpose of the scope of meeting is to receive input from agencies and the public on the scope and content of the environmental impact report.

18
00:06:06.570 --> 00:06:09.229
Olivia Silverstein: Your ideas are welcome and invited.

19
00:06:12.500 --> 00:06:35.040
Olivia Silverstein: Scoping is the process of soliciting public and agency input regarding the scope and content of an EIR in advance of its preparation. CPUC Is requesting comments to inform the scope and content of the EIR and help identify the actions, alternatives, mitigation measures, and environmental effects to be analyzed In the EIR.

20
00:06:38.200 --> 00:06:45.210
Olivia Silverstein: This flow chart shows a high-level overview of the CPUC's Permit to construct application process.

21
00:06:45.380 --> 00:06:59.500
Olivia Silverstein: In this case, Southern California, Edison is proposing to construct and operate the Cal City substation 115 KV Upgrade project and is seeking a permit to construct the project from the CPUC.

22
00:07:00.110 --> 00:07:07.780
Olivia Silverstein: The CPUC will have a discretionary decision to make as to whether or not to approve the permit to construct application.

23
00:07:11.120 --> 00:07:17.729
Olivia Silverstein: In order to inform the CPUC's decision on the project. The CPUC must comply with CEQA.

24
00:07:18.300 --> 00:07:33.499
Olivia Silverstein: The purpose of CEQA is to inform decision makers and the public about potential significant environmental effects of a proposed project, identify ways that environmental damage can be avoided or significantly reduced.

25
00:07:33.580 --> 00:07:49.569
Olivia Silverstein: prevent significant avoidable damages to the environment through the use of alternatives or mitigations, and disclose the public the reason why a governmental agency approves the project if significant environmental effects are involved.

26
00:07:49.750 --> 00:07:53.820
Olivia Silverstein: CEQA Review focuses on physical impacts to the environment.

27
00:07:57.400 --> 00:08:01.559
Olivia Silverstein: This flow chart shows the CEQA process in general terms.

28
00:08:01.690 --> 00:08:07.710
Olivia Silverstein: scoping is one of the initial stages of the CEQA process and the stage we are currently in.

29
00:08:07.750 --> 00:08:10.360
Olivia Silverstein: It's shown in light green. In this chart

30
00:08:10.930 --> 00:08:31.600
Olivia Silverstein: the CPUC will document all public and agency input received during the scoping period in a scoping report to inform preparation of the draft EIR. There will also be a public review period

for the draft. EIR when it's available. And then a full EIR will be prepared to address all comments received on the draft EIR.

31
00:08:36.380 --> 00:08:50.639
Matt Fagundes, ESA: thanks, Olivia. So for the next few slides, we'll go over some of the content of an environmental impact report. The project. Description's an important part of an EIR. It needs to consider the whole of the project, including all construction.

32
00:08:50.990 --> 00:09:02.670
Matt Fagundes, ESA: operation and maintenance activities. The following slides will provide an overview of SCE's proposed Cal City 115 KV. Substation upgrade project.

33
00:09:09.030 --> 00:09:19.579
Matt Fagundes, ESA: The proposed project, as shown in this overview map, would be located in the city of California City, depicted by Gray on the map. and an unincorporated Kern and San Bernardino counties.

34
00:09:19.840 --> 00:09:30.599
Matt Fagundes, ESA: and also on lands managed by Federal agencies, including the Bureau of Land Management, shown as tan here. and the US Department of Defense shown as purple on the map.

35
00:09:33.820 --> 00:09:42.520
Matt Fagundes, ESA: The project would include a 10 acre expansion of the existing 5 acre Cal City substation to upgrade the substation from 33,

36
00:09:42.690 --> 00:09:54.100
Matt Fagundes, ESA: 12 kv To 115 33 kv. And 115 12 kv. The substation will include 14 new underground, 12 kv. Distribution, getaways.

37
00:09:54.260 --> 00:09:58.220
Matt Fagundes, ESA: and 2 new underground 33 kv. Distribution getaways.

38
00:09:58.690 --> 00:10:06.819
Matt Fagundes, ESA: distribution getaways are the lower voltage distribution cables and conduit and vaults that go out just beyond the substation

39
00:10:07.070 --> 00:10:14.190
Matt Fagundes, ESA: where featured distribution lines that would connect to Southern California Edison customers would enter or exit the substation.

40
00:10:17.690 --> 00:10:25.530
Matt Fagundes, ESA: Let's see, here's a photo of Southern California, Edison's calcity substation just for reference of the topography out there.

41
00:10:28.090 --> 00:10:32.570
Matt Fagundes, ESA: The project will also include 2 new, 115 KV sub transmission lines.

42
00:10:32.870 --> 00:10:38.010
including a 42-mile overhead line from Kramer, substation to calcity, substation

43
00:10:38.560 --> 00:10:51.209
Matt Fagundes, ESA: shown here as the blue light and a 28-mile overhead line from cal city substation to Holgate Switchyard with that tap to Edward substation shown as the purple lights in this map.

44
00:10:51.900 --> 00:10:55.600
Matt Fagundes, ESA: There'll also be electrical and telecom upgrades

45
00:10:55.610 --> 00:10:59.670
Matt Fagundes, ESA: at the existing Kramer substation, Edwards substation

46
00:11:00.180 --> 00:11:07.659
Matt Fagundes, ESA: that Edwards Air Force Base. and at Holgate Switchyard indicated Here is the blue triangles at the bottom of the map.

47
00:11:11.290 --> 00:11:21.240
Matt Fagundes, ESA: with regards to the environmental analysis, the EIR will evaluate all the environmental resource areas shown here consistent with the CEQA guidelines. Appendix G.

48
00:11:24.380 --> 00:11:32.140
Matt Fagundes, ESA: EIR will include a section for each resource area that will define and describe the existing environmental and regulatory setting.

49
00:11:32.380 --> 00:11:45.699
Matt Fagundes, ESA: establish thresholds of significance, to define what would be considered a significant impact identify impacts of the proposed project and mitigation measures to reduce impacts, if significant impacts are identified.

50
00:11:46.590 --> 00:11:52.419
Matt Fagundes, ESA: and the sections will also identify any residual impacts after application mitigation measures.

51
00:11:52.970 --> 00:12:00.199
Matt Fagundes, ESA: In addition, cumulative impacts of the project and the impacts of the alternatives will also be evaluated for each issue.

52
00:12:03.590 --> 00:12:11.230
Matt Fagundes, ESA: In addition to environmental issues associated with the project. We're also looking for your input regarding the project alternatives to be evaluated in EIR

53
00:12:11.670 --> 00:12:18.769
Matt Fagundes, ESA: The EIR must identify a range of reasonable alternatives to avoid or substantially lessen significant effects of the project.

54
00:12:19.910 --> 00:12:28.930
Matt Fagundes, ESA: and the alternatives must be feasible from a legal, regulatory and technical standpoint, and must meet most of the basic objectives of the project

55
00:12:31.890 --> 00:12:46.779
Matt Fagundes, ESA: here are Southern California Edison’s project objectives that are identified for the project and SCE’s application materials. they are to add boat serving capacity and electrical needs. Area

56
00:12:47.080 --> 00:12:59.409
Matt Fagundes, ESA: improve system reliability within electrical needs, area improve system, operational flexibility by maintaining reliance. by minimizing reliance on Edwards substation

57
00:12:59.820 --> 00:13:18.359
Matt Fagundes, ESA: and to provide system reliability within electrical needs area by providing a diverse sub transmission line route to Edwards substation. As a CEQA lead agency. The CPUC may identify additional or different objectives during the environmental review to be considered for the purposes of alternative screening.

58
00:13:21.300 --> 00:13:28.570
Matt Fagundes, ESA: The alternatives that will be included in the EIR may include those considered or suggested by Southern California, Edison, the public.

59
00:13:28.810 --> 00:13:31.540
Matt Fagundes, ESA: Other agencies other than CPUC.

60
00:13:31.680 --> 00:13:42.590
Matt Fagundes, ESA: Or those developed by the CPUC CEQA Review team. The project alternatives could consist of different locations, different sub transmission, mine routes or other technology

61
00:13:42.650 --> 00:13:50.059
Matt Fagundes, ESA: for the proposed facilities or anything else that you could think of that adheres to the criteria. We discussed a couple slides ago.

62
00:13:50.920 --> 00:13:57.200
Matt Fagundes, ESA: The EIR must also evaluate a no project alternative, which is a scenario where neither the proposed project

63
00:13:57.500 --> 00:14:01.350
Matt Fagundes, ESA: nor a project alternative is approved or developed.

64
00:14:05.380 --> 00:14:14.880
Matt Fagundes, ESA: We're just about ready to hear your input. But first we wanted to remind you how to get involved in the CEQA Process for the CPUC’s evaluation of Southern California Edison's project

65
00:14:15.930 --> 00:14:26.810
Matt Fagundes, ESA: for starters. If you're participating in the scoping meeting, you're on the right track. So please stay on, Provide your scoping input and we'll be starting that part of the meeting In a couple minutes.

66
00:14:28.140 --> 00:14:35.400
Matt Fagundes, ESA: the scoping process was kicked off with the publication of the notice of preparation of the EIR on November eighth.

67
00:14:36.040 --> 00:14:46.709
Matt Fagundes, ESA: and will be open through close of business on December eighth, which is next Friday. You can comment verbally at this meeting, or submit written comments via mail or email.

68
00:14:47.790 --> 00:15:02.839
Matt Fagundes, ESA: You'll also have an opportunity to comment on the draft, EIR. When that's released. Estimated to be some time in the

spring. Next year. You can also obtain information and updates on the project, including SCE’s application materials

69
00:15:03.380 --> 00:15:10.180
Matt Fagundes, ESA: at the CPUC‘s web page for the project at the link at the bottom of the screen. There's also voicemail

70
00:15:10.400 --> 00:15:15.129
Matt Fagundes, ESA: number at that web page where you can leave us a message. If you have any questions.

71
00:15:18.740 --> 00:15:30.090
Matt Fagundes, ESA: excuse me. In addition to providing any verbal input at this meeting, we want to also encourage you to provide written comments by mail to Boris Sanchez at the CPUC.

72
00:15:30.720 --> 00:15:41.739
Matt Fagundes, ESA: There are environmental science associates. Attention. M. Hensel. At 775 Baywood Drive, Suite, 100 in Petaluma, California, 94954.

73
00:15:42.250 --> 00:15:54.070
Matt Fagundes, ESA: Or you can email Boris at calcitysub@esassoc.com. And just another reminder that all scoping comments and input must be provided by the scoping deadline

74
00:15:54.500 --> 00:15:59.640
Matt Fagundes, ESA: of next Friday by 5 PM. Which is December eighth.

75
00:16:02.540 --> 00:16:11.999
Matt Fagundes, ESA: Okay, now we're ready to open the meeting up to public comment. If anyone wants to provide a verbal comment on

76
00:16:12.630 --> 00:16:14.269
Matt Fagundes, ESA: the scope of the EIR

77
00:16:16.520 --> 00:16:21.879
Olivia Silverstein: thanks, Matt. Discussion. Guidelines are as follows, be concise.

78
00:16:22.100 --> 00:16:26.530
Olivia Silverstein: stay on topic. respect others opinions.

79

00:16:26.750 --> 00:16:31.669
Olivia Silverstein: comments will be recorded and written comments are also encouraged.

80
00:16:34.160 --> 00:16:38.729
Olivia Silverstein: If calling in by phone, please dial star 9 to request to speak.

81
00:16:38.850 --> 00:16:48.100
Olivia Silverstein: And if you're using the online Zoom Platform, please press the raise hand icon, or submit your comments in the Q and A Box.

82
00:16:48.350 --> 00:16:50.850
Olivia Silverstein: And now we would like to hear input.

83
00:17:17.069 --> 00:17:18.359
Olivia Silverstein: Joan Schmidt.

84
00:17:27.819 --> 00:17:34.699
Olivia Silverstein: Joan, you can go ahead and unmute yourself, and let us know what your comment is when you're ready.

85
00:17:36.240 --> 00:17:37.710
Joan Schmitt: Okay, can you hear me?

86
00:17:37.760 --> 00:17:46.650
Joan Schmitt: Yes, we can. Okay. My question is on the the purple line. It's going up from Edwards.

87
00:17:46.820 --> 00:17:48.260
Joan Schmitt: My!

88
00:17:48.520 --> 00:18:07.189
Joan Schmitt: Our property is really close to that would there be an easement there for that We would have to grant Or are you proposing to buy our property? Depending on how tall the tower would be? Cause? I

89
00:18:07.530 --> 00:18:14.130
Joan Schmitt: do believe that it's going to be above ground wires that's going to be going there and

90
00:18:14.190 --> 00:18:21.289

Joan Schmitt: Could you give me some information about the tower and the wires and that kind of stuff?

91
00:18:21.890 --> 00:18:26.929
Matt Fagundes, ESA: Yeah, I can. I think, answers some of those questions. So

92
00:18:27.590 --> 00:18:35.129
Matt Fagundes, ESA: Joan, it might be helpful if you could provide us some information on

93
00:18:35.510 --> 00:18:50.320
Matt Fagundes, ESA: the exact location of your property. If you could maybe provide us that information via email that we could get back to you and tell you exactly where the line is relative to your property.

94
00:18:50.880 --> 00:18:53.640
Matt Fagundes, ESA: The property does have a

95
00:18:54.740 --> 00:18:58.790
Matt Fagundes, ESA: I believe it's a 50. Let me check here.

96
00:18:59.910 --> 00:19:09.070
Matt Fagundes, ESA: A 50 foot wide ride of way 50 foot wide. Right of way.

97
00:19:09.630 --> 00:19:14.940
Matt Fagundes, ESA: And the towers are about 85 feet tall in that area.

98
00:19:17.050 --> 00:19:21.010
Matt Fagundes, ESA: I forget if you had any other questions.

99
00:19:21.420 --> 00:19:25.490
Matt Fagundes, ESA: that I didn't get to yet.

100
00:19:27.090 --> 00:19:35.389
Joan Schmitt: Okay, I will. I can go ahead and and send you an email with where the property is

101
00:19:37.700 --> 00:19:46.709
Matt Fagundes, ESA: that would be great. And that email is calcitysub@ESASSoc.com.

102
00:19:46.830 --> 00:19:53.639
Matt Fagundes, ESA: and we can get back to you. on specifically, if the line does cross your property.

103
00:19:53.810 --> 00:19:54.800
Joan Schmitt: Okay.

104
00:19:58.760 --> 00:19:59.570
Matt Fagundes, ESA: thank you.

105
00:20:06.280 --> 00:20:17.500
Matt Fagundes, ESA: And addition to providing verbal comments, just want to remind you that you can send written comments if you prefer, if you prefer to do that in lieu of providing oral comments, and that

106
00:20:17.640 --> 00:20:23.260
Matt Fagundes, ESA: you can use that same email address: calcitysub@esassoc.com.

107
00:20:41.330 --> 00:20:45.770
Matt Fagundes, ESA: I don't see any other hands raised, but maybe if we can wait for another

108
00:20:47.180 --> 00:20:48.530
Matt Fagundes, ESA: 5 min or so

109
00:21:01.820 --> 00:21:08.509
Boris Sanchez: while we wait as well. Stephen, do you mind just displaying the next slide so that the mailing list and the website information is available?

110
00:21:10.410 --> 00:21:11.240
Boris Sanchez: Thank you.

111
00:21:21.620 --> 00:21:25.859
Boris Sanchez: People who would be joining online.

112
00:21:26.650 --> 00:21:28.040
Boris Sanchez: for this recording

113
00:21:28.710 --> 00:21:33.930

it will be really helpful for you to just go through the web page and find the

114
00:21:34.710 --> 00:21:40.379
Boris Sanchez: the project website so that you can find all the information, including this mailing address, email.

115
00:21:40.850 --> 00:21:44.530
all current information on the project as we move along as well, so

116
00:21:45.020 --> 00:21:48.050
Boris Sanchez: feel free to to search that web page.

117
00:23:43.820 --> 00:23:48.819
Boris Sanchez: Yeah, we'll give it another minute. If you guys decide you have any more questions for verbal.

118
00:24:58.560 --> 00:25:06.299
Boris Sanchez: Okay, with that, since there are no further questions, I'd like to thank everybody for participating. I'd like to thank the ESA team for

119
00:25:06.680 --> 00:25:12.110
creating this presentation. The slides that we're working with today and for anybody

120
00:25:12.260 --> 00:25:16.430
Boris Sanchez: listening to this recording again, please visit the web page to

121
00:25:16.840 --> 00:25:24.319
Boris Sanchez: gather all the information that you need to have communication as this project. Move along. Thank you very much. Appreciate your time.

122
00:25:27.320 --> 00:25:29.239
Matt Fagundes, ESA: Thank you, everybody. Bye, bye.

123
00:25:29.980 --> 00:25:31.210
Olivia Silverstein: thank you.

Appendix F
Written Scoping Comments

NATIVE AMERICAN HERITAGE COMMISSION

Governor's Office of Planning & Research

Nov 17 2023

STATE CLEARING HOUSE

November 16, 2023

Boris Sanchez
CPUC
505 Van Ness Avenue
San Francisco, CA 94102

Re: 2023110218, SCE Cal City Substation 115kV Upgrade Project, Kern and San Bernardino Counties

Dear Mr. Sanchez:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015. If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). Both SB 18 and AB 52 have tribal consultation requirements. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

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NAHC.ca.gov

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe. (Gov. Code §65352.3 (a)(2)).
2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.
3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:
    a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
    b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:
    a. If part or all of the APE has been previously surveyed for cultural resources.
    b. If any known cultural resources have already been recorded on or adjacent to the APE.
    c. If the probability is low, moderate, or high that cultural resources are located in the APE.
    d. If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
    a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
    b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Cameron.Vela@nahc.ca.gov.

Sincerely,

Cameron Vela

Cameron Vela
Cultural Resources Analyst

cc: State Clearinghouse

From:	Judy Hermann
To:	Matthew Fagundes
Cc:	Sanchez, Boris; Maria Hensel; CalCitySub
Subject:	Re: CalCity substation
Date:	Monday, December 4, 2023 6:46:58 AM

Thank you for the information.

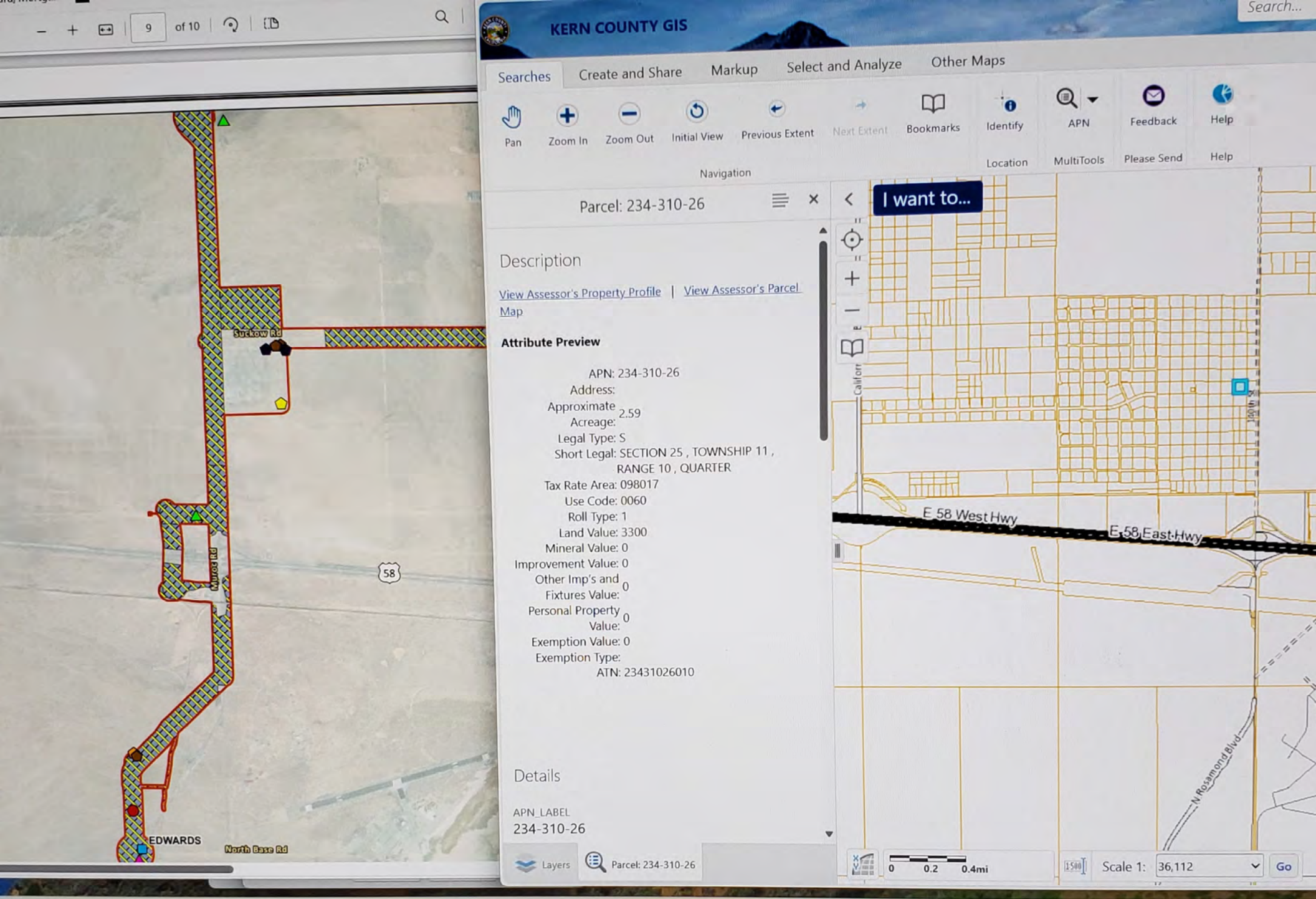
Judy Hermann

On Mon, Dec 4, 2023, 5:48 AM Matthew Fagundes <MFagundes@esassoc.com> wrote:

> Thank you for your participation at the scoping meeting, Judy.
>
> Based on the blue square in your attached image, it appears that the proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line would be approximately 250 feet east of the indicated property. The subtransmission line would parallel the west side of 140th Street at a distance of approximately 70 feet from the centerline of the road. The nearest subtransmission line structures associated with the line would be about 200 feet north (structure 4194-1) and 550 feet north (structure 4193-1) of Glendower Avenue.
>
> The light-weight steel structures would have a height of 85 feet.
>
> Matt
>
> **Matthew Fagundes**
> Air Quality & Acoustics Analyst IV
>
> **ESA | Environmental Science Associates**
> 707.815.7331 **direct**
>
> ***We've Moved!*** Please update your records: 775 Baywood Drive, Suite 100, Petaluma, CA 94954.
>
> ---
>
> **From:** Judy Hermann <hermannja@gmail.com>
> **Sent:** Thursday, November 30, 2023 4:16 PM
> **To:** Matthew Fagundes <MFagundes@esassoc.com>
> **Subject:** CalCity substation
>
> Is my folks' property next to a tower? How tall are they?

Thank you

Judy Hermann


9
of 10
KERN COUNTY GIS
Search...
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Create and Share
Markup
Select and Analyze
Other Maps
Pan
Zoom In
Zoom Out
Initial View
Previous Extent
Next Extent
Bookmarks
Identify
APN
Feedback
Help
Navigation
Location
MultiTools
Please Send
Help
Parcel: 234-310-26
I want to...
Description
View Assessor's Property Profile | View Assessor's Parcel Map
Attribute Preview
APN: 234-310-26
Address:
Approximate Acreage: 2.59
Legal Type: S
Short Legal: SECTION 25 , TOWNSHIP 11 , RANGE 10 , QUARTER
Tax Rate Area: 098017
Use Code: 0060
Roll Type: 1
Land Value: 3300
Mineral Value: 0
Improvement Value: 0
Other Imp's and Fixtures Value: 0
Personal Property Value: 0
Exemption Value: 0
Exemption Type:
ATN: 23431026010
Details
APN_LABEL
234-310-26
Suckow Rd
Munos Rd
58
EDWARDS
North Base Rd
E 58 West Hwy
E 58 East Hwy
N Rosamond Blvd
Layers
Parcel: 234-310-26
0
0.2
0.4mi
Scale 1:
36,112
Go

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KATHLEEN KRAUSE
Clerk of the Board of Supervisors
Kern County Administrative Center
1115 Truxtun Avenue, 5th Floor
Bakersfield, CA 93301
Telephone (661) 868-3585
TTY Relay (800) 735-2929

Thursday, November 30, 2023

Boris Sanchez, CPUC c/o Environmental Science Associates
Attn. M. Hensel Cal City Project
775 Baywood Drive, Suite 100
Petaluma, CA 94954

RE: Southern California Edison Company's Cal City Substation 115 kV Upgrade Project (Application No. A.23-03-005)

Dear Mr. Boris,

I write on behalf of the Kern County Board of Supervisors to request that California Public Utilities Commission (CPUC) expedite Southern California Edison Company's Cal City Substation 115 kV Upgrade Project (Application No. A.23-03-005).

Among the most critical reasons that we support this project and request that it be expedited are:

1. Kern County's economy is in transition. The Board of Supervisors, in partnership with the community, is working to improve the economic viability of Kern County by facilitating the creation and retention of new jobs. To do this, we must have increased electrical capacity.

2. In addition to resolving electrical capacity in California City, this project will provide resiliency to Edwards Air Force Base and has the potential of providing capacity for additional renewable projects in the region that will enable the State to meet its Green House Gas reduction goals.

We respectfully ask that CPUC commit to expediting the aforementioned project within Kern County and appreciate your consideration of our request. If you would like to discuss this matter further, please contact our Chief Administrative Officer, James Zervis, at zervisj@kerncounty.com or (661) 868-3198.

Sincerely,

Jeff Flores, Chairman
Kern County Board of Supervisors

cc: Alice Reynolds, President, California Public Utilities Commission
Dee Dee Myers, Senior Advisor & Director, Governor's Office of Business & Economic Development (GoBiz)
Honorable Members, Kern County Legislative Delegation
Michael Backstrom, Vice President, Regulatory Affairs, SCE
Andrew R. Baldonado, Vice President, State Public Affairs, SCE
Larry Chung, Vice President, Local Public Affairs, SCE
Calvin Rossi, Region Manager, SCE
Lorelei Oviatt, Director, Kern County Planning & Natural Resources Department
Shaw Yoder Antwih Schmelzer & Lange
Carter Wetch & Associates
Karen Douglas, Assigned Commissioner for the CPUC
Karen Mouritsen California State Director, BLM
Michelle Lynch , California Desert District Manager, BLM
Brandon Anderson, California Desert District Assistant District Manager

From: J Schmitt
To: CalCitySub
Subject: Cal City Property
Date: Monday, December 4, 2023 2:52:23 PM

I'm writing on behalf of my family regarding the property APN 234-310-26-01-0, James and Sarah Lee Trust. My sister Judy Hermann has forwarded the information to us that the 85 foot tower will be installed on the next property over from ours. Which will affect our property value. So are you planning on purchasing any of the properties?
Sent from my iPhone

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State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Central Region
1234 East Shaw Avenue
Fresno, California 93710
(559) 243-4005
www.wildlife.ca.gov

GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director

December 7, 2023

Boris Sanchez
California Public Utilities Commission
c/o Environmental Science Associates
775 Baywood Drive, Suite 100
Petaluma, California 94954

Subject: Cal City Substation 115kV Upgrade Project (Project)
Notice of Preparation (NOP)
State Clearinghouse No. 2023110218

Dear Boris Sanchez:

The California Department of Fish and Wildlife (CDFW) received a NOP for an Environmental Impact Report (EIR) from the California Public Utilities Commission, as Lead Agency for the Project pursuant the California Environmental Quality Act (CEQA) and CEQA Guidelines.[1]

Thank you for the opportunity to provide comments and recommendations regarding those activities involved in the Project that may affect California fish and wildlife. Likewise, CDFW appreciates the opportunity to provide comments regarding those aspects of the Project that CDFW, by law, may be required to carry out or approve through the exercise of its own regulatory authority under Fish and Game Code.

CDFW ROLE

CDFW is California's **Trustee Agency** for fish and wildlife resources and holds those resources in trust by statute for all the people of the State (Fish & G. Code, §§ 711.7, subd. (a) & 1802; Pub. Resources Code, § 21070; CEQA Guidelines § 15386, subd. (a)). CDFW, in its trustee capacity, has jurisdiction over the conservation, protection, and management of fish, wildlife, native plants, and habitat necessary for biologically sustainable populations of those species (*Id.*, § 1802). Similarly, for purposes of CEQA, CDFW is charged by law to provide, as available, biological expertise during public

[1] CEQA is codified in the California Public Resources Code in section 21000 et seq. The "CEQA Guidelines" are found in Title 14 of the California Code of Regulations, commencing with section 15000.

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agency environmental review efforts, focusing specifically on projects and related activities that have the potential to adversely affect fish and wildlife resources. CDFW is also submitting comments as a **Responsible Agency** under CEQA (Pub. Resources Code, § 21069; CEQA Guidelines, § 15381). CDFW expects that it may need to exercise regulatory authority as provided by the Fish and Game Code. As proposed, for example, the Project may be subject to CDFW's lake and streambed alteration regulatory authority (Fish & G. Code, § 1600 et seq.). Likewise, to the extent implementation of the Project as proposed may result in "take" as defined by State law of any species protected under the California Endangered Species Act (CESA) (Fish & G. Code, § 2050 et seq.), related authorization as provided by the Fish and Game Code will be required.

CDFW has jurisdiction over actions with potential to result in the disturbance or destruction of active nest sites or the unauthorized take of birds. Fish and Game Code sections that protect birds, their eggs, and nests include section 3503 (regarding unlawful take, possession or needless destruction of the nest or eggs of any bird), section 3503.5 (regarding the take, possession or destruction of any birds-of-prey or their nests or eggs), and section 3513 (regarding unlawful take of any migratory nongame bird).

PROJECT DESCRIPTION SUMMARY

Proponent: Southern California Edison

Description and Objective: The Project is proposed to include the expansion of the existing five-acre Cal City Substation by approximately 10 acres to upgrade the substation from 33/12 kV to 115/33 kV and 115/12 kV. Fourteen new underground 12 kV distribution getaways and two new underground 33 kV distribution getaways from the Cal City Substation are also proposed. The Project would include construction of two new 115 kV subtransmission lines, a 42-mile overhead line from Kramer Substation to Cal City Substation, and a new overhead 28-mile line from Cal City Substation to Holgate Switchyard with a tap line to serve Edwards Substation location on Edwards Air Force Base. The proposed new 115 kV subtransmission lines would be installed with telecommunication cables and telecommunication improvements would also be installed at the existing Holgate Switchyard and Cal City, Kramer, and Edwards substations. The Project would require electrical infrastructure improvements to accommodate the new 115 kV lines within the existing fence lines at Edwards Substation, Holgate Switchyard, and Kramer Substation.

The Project would also include the transfer of several miles of distribution lines onto the proposed new subtransmission lines. This would entail the transfer of approximately five total miles of existing 33 kV distribution lines to the Kramer-Cal City 115kV line structures and the removal of approximately 151 existing distribution structures along

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the line segments. Also included would be the transfer of approximately two miles of existing 33 kV and approximately two miles of existing 12 kV distribution lines to the new Cal City-Edwards-Holgate 115 kV lines structures and removal of approximately 90 existing distribution structures along the line segments.

Timeframe: Construction start date in 2026, and estimated construction would last 18 months

COMMENTS AND RECOMMENDATIONS

The NOP lacks detailed information with regard to the footprint of the entire Project and does not address methods and materials, ground disturbance related to each activity, staging and laydown areas, and other specific Project-related activities that could threaten biological resources and result in potentially significant environmental impacts within the Project area. CDFW anticipates these details to be provided in the draft EIR, in addition to details such as specific locations of activities relative to private or public property and adjacent roads and the need for any night work.

Special-status species are known to exist in the vicinity of the Project, and the Project could potentially impact State and federally listed species. Aerial imagery of the Project boundary and its surroundings confirms that the Project area supports allscale saltbush (*Atriplex polycarpa*) and creosote bush (*Larrea tridentata*) habitats. Records from the California Natural Diversity Database (CNDDB) document species that could potentially be impacted by Project activities. Special-status animal species that could be impacted include the State protected furbearing mammal desert kit fox (*Vulpes macrotis arsipus*); the State fully protected golden eagle (*Aquila chrysaetos*); the State candidate endangered Crotch's bumble bee (*Bombus crotchii*); the State and federally threatened desert tortoise (*Gopherus agassizii)*; the State threatened Swainson's hawk (*Buteo swainsoni*), and Mohave ground squirrel (*Xerospermophilus mohavensis*); the State watch list prairie falcon (*Falco mexicanus*); and the State species of special concern American badger (*Taxidea taxus*), pallid bat (*Antrozous pallidus*), Townsend's big-eared bat (*Corynorhinus townsendii*), spotted bat (*Euderma maculatum*), loggerhead shrike (*Lanius ludovicianus*), burrowing owl (*Athene cunicularia*), and gray vireo (*Vireo vicinior*).

The Project alignment is also within the geographic range of several special status plant species, including but not limited to the State candidate threatened western Joshua tree (*Yucca brevifolia*); the State endangered and California Rare Plant Rank (CRPR) 1B.2 Barstow woolly sunflower (*Eriophyllum mohavense*), Charlotte's phacelia (*Phacelia nashiana*), alkali mariposa-lily (*Calochortus striatus*), Red Rock poppy (*Eschscholzia minutiflora* ssp. *twisselmannii*), desert cymopterus (*Cymopterus deserticola*), and recurved larkspur (*Delphinium recurvatum*); the CRPR 1B.3 Creamy blazing star (*Mentzelia tridentata*); the CRPR 2B.2 sagebrush loefingia (*Loeflingia squarrosa var.*

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artemisiarum) and pink funnel lily (*Androstephium breviflorum*); the CRPR 2B.3 Booth's evening-primrose (*Eremothera boothii* ssp. *boothii*); and the CRPR 4.2 Mojave fish-hook cactus (*Sclerocactus polyancistrus*), golden goodmania (*Goodmania luteola*), solitary blazing star (*Mentzelia eremophila*), Mojave spineflower (*Chorizanthe spinosa*), white pygmy-poppy (*Canbya candida*), and crowned muilla (*Muilla coronate*).

Mohave Ground Squirrel

The Project is within the historical range of Mohave ground squirrel and is located within the species' current distribution. Based on aerial imagery, the Project area contains suitable habitat (CDFW 2023a), which comprises all broadly described plant communities in the western Mojave Desert including saltbush scrub, creosote bush scrub, western Joshua tree woodland, and sagebrush scrub (Gustafson 1993).

CDFW recommends that a qualified biologist conduct a Mohave ground squirrel habitat assessment for a biological study report to be included with the draft EIR. If suitable habitat is identified, consultation with CDFW is recommended for guidance on developing a Project-specific survey methodology in advance of Project activity. CDFW recommends that the draft EIR require consultation regarding surveys and, if the surveys reveal the presence of Mohave ground squirrel, additional consultation with CDFW for guidance on whether the Project can avoid take of Mohave ground squirrel or for guidance on obtaining an Incidental Take Permit, pursuant to Fish and Game Code section 2081, subdivision (b).

Swainson's Hawk

Swainson's hawks exhibit high nest-site fidelity (CDFW 2016) and the Project may involve noise, groundwork, and movement of workers that could affect any nests that are present and potentially result in nest abandonment or other forms of reduced productivity. CDFW recommends that a qualified biologist conduct a habitat assessment for nest sites suitable for the species within the Project area and a 0.5-mile buffer, for a biological study report to be included with the draft EIR. CDFW recommends that the draft EIR describe protocol surveys to be conducted following the survey methods developed by the Swainson's Hawk Technical Advisory Committee (2000) within the nesting season immediately prior to Project activity in areas of suitable nesting habitat within the Project area and a 0.5-mile buffer. CDFW recommends maintaining a minimum no-disturbance buffer of 0.5 mile around active nests until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest site for survival. If an active Swainson's hawk nest is detected during surveys and a 0.5-mile buffer is not feasible, it is also recommended that consultation with CDFW occur for guidance on how to implement the Project and avoid take or to obtain an Incidental Take Permit, pursuant to Fish and Game Code section 2081, subdivision (b).

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CDFW also recommends compensation for the loss of Swainson's hawk foraging habitat as described in the "Staff Report Regarding Mitigation for Impacts to Swainson's Hawks" (Staff Report) (CDFG 1994) to reduce impacts to foraging habitat to less than significant. The Staff Report recommends that mitigation for habitat loss occur within a minimum distance of 10 miles from known nest sites; CDFW has the following recommendations for the Draft EIR:

- For projects within one mile of an active nest tree, a minimum of one acre of habitat management (HM) land for each acre of development is advised.
- For projects within five miles of an active nest but greater than one mile, a minimum of 0.75 acre of HM land for each acre of development is advised.
- For projects within 10 miles of an active nest tree but greater than five miles from an active nest tree, a minimum of 0.5 acre of HM land for each acre of development is advised.

Desert Tortoise

The Project area is within the known geographic range of desert tortoise (CDFW 2023a). Desert tortoise is most common in desert scrub, desert wash, and Joshua tree habitats (CDFW 2018a). Based on aerial imagery, the Project alignments contain desert scrub communities. CDFW recommends that a qualified biologist conduct a desert tortoise habitat assessment, for a biological study report to be included with the Draft EIR. Within areas of suitable habitat, CDFW recommends that the Draft EIR require protocol surveys over all areas (i.e., 100 percent coverage) proposed to be directly or indirectly affected by the Project, conducted following the United States Fish and Wildlife Service (USFWS) (2019) "Preparing for Any Action That May Occur Within the Range of the Desert Tortoise (*Gopherus agassizii*)" prior to the start of Project activity, with survey results submitted to CDFW prior to Project activity.

To reduce the likelihood of nonconcurrence with proposed surveys, methodology, and qualifications of biologists, CDFW recommends working with the USFWS and CDFW concurrently to ensure a consistent and adequate approach to Project planning (USFWS 2019). If surveys reveal the presence of desert tortoise, it is also recommended that the Draft EIR require consultation with CDFW for guidance on how to implement the Project and avoid take of the species or for guidance on obtaining an Incidental Take Permit, pursuant to Fish and Game Code section 2081, subdivision (b).

Crotch's Bumble Bee

Crotch's bumble bee has been documented in the vicinity of the Project, which is within the current range of the species (CDFW 2023a and 2023b). The species is known to inhabit areas of grasslands and scrub that contain requisite habitat elements for nesting,

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such as small mammal burrows and bunch or thatched grasses. Based on aerial imagery, the Project appears to contain habitat suitable to support Crotch's bumble bee.

CDFW recommends that a qualified biologist conduct a habitat assessment for Crotch's bumble bee for a biological study report to be included with the Draft EIR. Foraging resources and potential nesting sites, which include all small mammal burrows, perennial bunch grasses, thatched annual grasses, brush piles, old bird nests, dead trees, and hollow logs are advised to be documented as part of the assessment. In areas of suitable habitat, CDFW recommends that the Draft EIR require a qualified biologist to conduct a bumble bee survey using a protocol developed according to the CDFW (2023b) "Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species," to identify bumble bees and potential nesting sites during the vegetation blooming period prior to activities at Project sites. If any Crotch's bumble bees or nests are detected, CDFW advises consultation with CDFW to develop adequate take avoidance measures, and if a nest is observed at any time, avoidance would also include protection for underground overwintering queens. If avoidance of take is not feasible, CDFW advises take authorization via an Incidental Take Permit, pursuant to Fish and Game Code section 2081, subdivision (b).

Burrowing Owl

Burrowing owls have been documented to occur near the Project alignment (CDFW 2023a). Burrowing owls inhabit open, dry grassland and desert habitats, and other landscape features containing small mammal burrows, a requisite habitat feature for nesting and cover (CDFW 2018b). Burrowing owls rely on burrow habitat year-round for their survival and reproduction. Based on aerial photography, potential habitat occurs both within and bordering the Project alignment.

CDFW recommends that a qualified biologist conduct a habitat assessment for burrowing owls, for a biological study report to be included with the Draft EIR. In areas of suitable habitat, CDFW recommends that the Draft EIR require presence/absence surveying for burrowing owl by a qualified biologist following the California Burrowing Owl Consortium (1993) "Burrowing Owl Survey Protocol and Mitigation Guidelines" and CDFW's "Staff Report on Burrowing Owl Mitigation" (CDFG 2012). If burrowing owls are detected, CDFW recommends no-disturbance buffers as outlined in the Staff Report on Burrowing Owl Mitigation during any ground-disturbing activities, as shown in the following table.

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Location	Time of Year	Level of Disturbance		
		Low	Med	High
Nesting sites	April 1-Aug 15	200 m*	500 m	500 m
Nesting sites	Aug 16-Oct 15	200 m	200 m	500 m
Nesting sites	Oct 16-Mar 31	50 m	100 m	500 m

* meters (m)

In the event that burrowing owls are found within these recommended buffers and avoidance is not possible, CDFW recommends that the Draft EIR analyze the potentially significant impact of excluding owls from a burrow. CDFW recommends that any burrow exclusion be conducted by qualified biologists and only during the non-breeding season, before breeding behavior is exhibited and after the burrow is confirmed empty through non-invasive surveillance methods. CDFW also recommends replacement of occupied burrows with artificial burrows at a ratio of one burrow collapsed to one artificial burrow constructed (1:1) as mitigation for evicting owls.

Desert Kit Fox

The Project is within the known geographic range of desert kit fox and this species is known to inhabit sparsely vegetated scrub habitats within the California desert that support small mammal populations (McGrew 1979). Based on aerial imagery, the Project area appears to have suitable habitat for desert kit fox denning and foraging.

Desert kit fox is protected under the California Code of Regulations, Chapter 5, Section 460, which prohibits take of the species for any reason. CDFW therefore cannot permit the incidental take of this species. CDFW recommends that a qualified biologist conduct a desert kit fox habitat assessment for the Project area, for a biological study report to be included with the Draft EIR. In areas of suitable habitat, CDFW recommends that the Draft EIR prescribe focused field surveys for the species and any sign, such as potential dens, prior to the start of Project activity. If any individuals or any active or potential dens are found, CDFW recommends consultation with CDFW for guidance on take avoidance measures for desert kit fox.

Special Status and Other Bat Species

The Project area is within the known geographic range of Townsend's big-eared bat, pallid bat, and spotted bat, and suitable habitat may be present for these species within the Project alignment (CDFW 2023a). CDFW recommends that a qualified biologist conduct a habitat assessment for day-roosting roosting bats in areas that could be impacted by Project activities, for a biological study report to be included with the draft EIR. CDFW recommends that for any suitable roosting sites, the draft EIR prescribe development of a robust study design by a qualified biologist to survey for bats. If

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roosting bats are found, CDFW recommends avoidance of occupied roosts, and consultation with CDFW for guidance on eviction of bats, if roost structures cannot be avoided, while avoiding nursery/maternal roosts where dependent young could be present.

Other Special Status Animal Species

The Project is within the known geographic range of American badger and suitable habitat for this species may be present within the Project area (CDFW 2023a). CDFW recommends that a qualified biologist conduct a habitat assessment for American badger for a biological study report to be included with the draft EIR. If potential habitat is present, CDFW recommends that the draft EIR direct a qualified biologist to conduct focused surveys for American badger and their requisite habitat features to evaluate potential Project impacts, and describe avoidance, minimization, and mitigation as warranted to address potentially significant impacts.

Western Joshua Tree

The Project is within the known geographic range of western Joshua tree, and the Project area provides habitat that is suitable for the species. CDFW recommends that a qualified botanist conduct focused surveys to identify the locations, number, and health of individuals as part of the biological technical studies conducted in support of the Draft EIR. If any western Joshua trees are identified at any time, CDFW recommends that the Draft EIR require a 290-foot no-disturbance buffer, which is warranted to avoid impacts to individual trees as well as potential impacts to the seed bank. Vander Wall et al. (2006) documented 290 feet as the maximum distance of seed dispersal when carried by rodents. If 290-foot buffers cannot be maintained to avoid trees and seeds, consultation with CDFW would be warranted regarding take authorization as allowed under CESA or the Western Joshua Tree Conservation Act.

Other Special-Status Plant Species

Other plants listed pursuant to federal Endangered Species Act, CESA, and the Native Plant Protection Act, as well as other special status plants, may also occur in the Project area. Special-status plant species are threatened with habitat loss and habitat fragmentation resulting from development, vehicle and foot traffic, and introduction of non-native plant species (CNPS 2023). The Project has the potential to significantly impact populations of the species mentioned above if present.

CDFW recommends that a qualified botanist conduct a habitat assessment for special-status plant species, for a biological study report to include with the Draft EIR. If suitable habitat is present, CDFW recommends that the Draft EIR prescribe individual Project sites to be surveyed for special-status plants by a qualified botanist following the

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"Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities" (CDFW 2018c) during the blooming season prior to Project activities. If non-listed special-status plants are detected, CDFW recommends that they be avoided using a no-disturbance buffer of at least 50 feet from the outer edge of the plant population(s) or specific habitat type(s) required by special-status plant species. If buffers cannot be maintained, consultation with CDFW is recommended to determine appropriate minimization or mitigation measures. If a State-listed plant species is identified during botanical surveys, consultation with CDFW would be warranted to determine if the Project can avoid take or to comply with the Native Plant Protection Act and/or obtain take authorization pursuant to Fish and Game Code section 2081, subdivision (b) or California Code of Regulations, title 14, section 786.9, subdivision (b).

Riparian and Wetland Habitat Impacts

Based on aerial imagery, the Project area contains multiple streams and drainages. CDFW recommends that the Draft EIR include mapping and describe the methodology used in determining the extent of all streams, and associated wetlands in the Project area. CDFW recommends that the potential direct and indirect impacts to stream/riparian and associated wetland habitats be analyzed according to each Project activity. Based on those potential impacts, CDFW recommends that the Draft EIR include measures to avoid, minimize, and/or mitigate those impacts. CDFW recommends that impacts to riparian habitat, including biotic and abiotic features, take into account the effects to stream function and hydrology from riparian habitat loss or damage, as well as potential effects from the loss of riparian habitat to special-status species already identified herein.

CDFW recommends that the Draft EIR require that losses to riparian habitats be offset with corresponding, appropriate habitat restoration.. If on-site restoration to replace habitats is not feasible, CDFW recommends offsite mitigation by restoring or enhancing in-kind riparian or wetland habitat and providing for the long-term management and protection of the mitigation area, to ensure its persistence.

EDITORIAL COMMENTS AND/OR SUGGESTIONS

Impacts to CDFW Lands: The NOP states that the Project would traverse one property within the CDFW West Mojave Desert Ecological Reserve in San Bernardino County. It is not clear from the materials provided where work would occur relative to the West Mojave Desert Ecological Reserve, which supports both Mohave ground squirrel and desert tortoise and is managed by CDFW for the protection of these and many other special status species.

California Code of Regulations, Title 14, section 630 states "All ecological reserves are maintained for the primary purpose of developing a statewide program for protection of

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rare, threatened, or endangered native plants, wildlife, aquatic organisms, and specialized terrestrial or aquatic habitat types" and therefore, public access on these lands is restricted. CDFW requests that the draft EIR clearly describe the location(s) of and Project activities that are proposed on or adjacent to the properties, in addition to the details of any right-of-way or an easement that may exist on CDFW properties in the Project alignment. Absent an existing easement, encroachment onto the West Mojave Desert Ecological Reserve would not be allowed. Ongoing coordination with CDFW is necessary to address the Project alignment and work areas.

Lake and Streambed Alteration: Jurisdictional activities are subject to CDFW's authority pursuant to Fish and Game Code section 1600 et seq. Fish and Game Code section 1602 requires an entity to notify CDFW prior to commencing any activity that may (a) substantially divert or obstruct the natural flow of any river, stream, or lake; (b) substantially change or use any material from the bed, bank, or channel of any river, stream, or lake (including the removal of riparian vegetation): (c) deposit debris, waste or other materials that could pass into any river, stream, or lake. "Any river, stream, or lake" includes those that are ephemeral, intermittent, or episodic, as well as those that are perennial, regardless of the duration, frequency, or volume of flow.

CDFW is required to comply with CEQA in the issuance of a Lake or Streambed Alteration Agreement; therefore, if the CEQA document approved for the Project does not adequately describe the Project and its impacts to lakes or streams, a subsequent CEQA analysis may be necessary for a Lake or Streambed Alteration Agreement issuance. For information on notification requirements, please refer to CDFW's website (https://wildlife.ca.gov/Conservation/LSA) or contact the CDFW staff listed below or the Lake and Streambed Alteration Program: the Central Region office at (559) 243-4593 or R4LSA@wildlife.ca.gov and the Inland Deserts Region at (909) 484-0523 or R6LSA@wildlife.ca.gov.

California Natural Diversity Database (CNDDB): Please note that the CNDDB is populated by and records voluntary submissions of species detections. As a result, species may be present in locations not depicted in the CNDDB but where there is suitable habitat and features capable of supporting species. A lack of an occurrence record in the CNDDB does not mean that a species is not present. In order to adequately assess any potential Project-related impacts to biological resources, surveys conducted by a qualified biologist during the appropriate survey period(s) and using the appropriate protocol survey methodology are warranted in order to determine whether or not any special status species are present.

Wildlife Movement and Connectivity: The Project area supports numerous biological resources and contains habitat connections and migratory pathways for many wildlife species. The Project area also supports movement across the broader landscape, sustaining both transitory, migratory, and permanent wildlife populations. CDFW

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recommends that on-site features that contribute to habitat connectivity be evaluated and maintained, and that aspects of the Project that could create physical barriers to wildlife movement and migration, including direct or indirect Project-related activities, be identified and addressed in the Draft EIR.

Project Alternatives Analysis: CDFW recommends that the information and results obtained from the biological technical surveys, studies, and analyses conducted in support of the Draft EIR be used to develop and modify the Project's alternatives to avoid and minimize impacts to biological resources to the maximum extent possible. When efforts to avoid and minimize have been exhausted, remaining impacts to sensitive biological resources may need to be mitigated to reduce impacts to a less than significant level, if feasible.

Cumulative Impacts: CDFW recommends that a cumulative impact analysis be conducted for all biological resources that will either be significantly or potentially significantly impacted by implementation of the Project, including those whose impacts are determined to be less than significant with mitigation incorporated or for those resources that are rare or in poor or declining condition and will be impacted by the Project, even if those impacts are relatively small (i.e., less than significant). CDFW recommends that cumulative impacts be analyzed using an acceptable methodology to evaluate the impacts of past, present, and reasonably foreseeable future projects on resources and be focused specifically on the resource, not the Project. An appropriate resource study area identified and utilized for this analysis is advised. CDFW staff is available for consultation in support of cumulative impacts analyses as a trustee and responsible agency under CEQA.

Federally Listed Species: CDFW recommends consulting with the USFWS on potential impacts to federally listed species, including but not limited to desert tortoise. Take under the federal Endangered Species Act (ESA) is more broadly defined than CESA; take under ESA also includes significant habitat modification or degradation that could result in death or injury to a listed species by interfering with essential behavioral patterns such as breeding, foraging, or nesting. Consultation with the USFWS in order to comply with ESA is advised well in advance of any ground-disturbing activities.

Nesting Birds: CDFW encourages that Project implementation occur outside the bird nesting season; however, if ground-disturbing or vegetation-disturbing activities must occur during the breeding season of February through mid-September, the Project applicant is responsible for ensuring that implementation of the Project does not result in violation of the Migratory Bird Treaty Act or relevant Fish and Game Codes as referenced above.

To evaluate Project-related impacts on nesting birds, CDFW recommends that a qualified wildlife biologist conduct pre-activity surveys for active nests no more than

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10 days prior to the start of ground or vegetation disturbance to maximize the probability that nests that could potentially be impacted are detected. CDFW also recommends that surveys cover a sufficient area around the Project site to identify nests and determine their status. A sufficient area means any area potentially affected by the Project. In addition to direct impacts (i.e. nest destruction), noise, vibration, and movement of workers or equipment could also affect nests. Prior to initiation of construction activities, CDFW recommends that a qualified biologist conduct a survey to establish a behavioral baseline of all identified nests. Once construction begins, CDFW recommends having a qualified biologist continuously monitor nests to detect behavioral changes resulting from the Project. If behavioral changes occur, CDFW recommends halting the work causing that change and consulting with CDFW for additional avoidance and minimization measures.

If continuous monitoring of identified nests by a qualified wildlife biologist is not feasible, CDFW recommends a minimum no-disturbance buffer of 250 feet around active nests of non-listed bird species and a 500-foot no-disturbance buffer around active nests of non-listed raptors. These buffers are advised to remain in place until the breeding season has ended or until a qualified biologist has determined that the birds have fledged and are no longer reliant upon the nest or on-site parental care for survival. Variance from these no-disturbance buffers is possible when there is compelling biological or ecological reason to do so, such as when the construction area would be concealed from a nest site by topography. CDFW recommends that a qualified wildlife biologist advise and support any variance from these buffers and notify CDFW in advance of implementing a variance.

CDFW appreciates the opportunity to comment on the NOP to assist the California Public Utilities Commission in identifying and mitigating Project impacts to biological resources. If you have any questions, please contact Benessa Galvan, Senior Environmental Scientist Specialist, at (559) 580-3197 or by email at Benessa.Galvan@wildlife.ca.gov.

Sincerely,

DocuSigned by:
Julie Vance
FA83F09FE08945A...

Julie A. Vance
Regional Manager

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ec: Kyle Maxwell
Heather Brashear
California Department of Fish and Wildlife

Scott Sobiech
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Appendix C

Mailing List and Certificate of Service

Certificate of Service

I, Stan Williams, of Pheonix 1, certify that we have on this date caused the following:

Publication of the Draft EIR for Southern California Edison's (SCE) Application to the California Public Utilities Commission (CPUC) pursuant to General Order (GO) 131-D to construct and operate the Cal City Substation 115 kV Upgrade Project (A.23-03-005). Hard copies of the Draft EIR Notice of Availability are to be served by first class or certified mail service by United States Postal Service (USPS) mail to listed parties on the CPUC service list; agencies, organizations, and individuals that submitted comments on the Notice of Preparation (NOP); local agencies in the vicinity of the proposed Project, and property owners within 300 feet of the proposed Project. A comprehensive mailing list is included in Appendix C of the Draft EIR.

I declare under penalty of perjury pursuant to the laws of the State of California that the foregoing is true and correct.

Executed on February 27, 2026 in Martinez, California.

Stan Williams

Stan Williams

Master Mailing List: Agencies and Organizations Sent a Hard Copy of the Draft EIR Notice of Availability Via Certified Mail

Organization	Name	Address 1	Address 2
CA Dept of Fish and Wildlife (Region 4)	Julie Vance	1234 E. Shaw Avenue	Fresno CA 93710
CA Dept of Fish and Wildlife (Region 6)	Heidi Calvert	3602 Inland Empire Blvd Suite C-220	Ontario CA 91764
CA Dept of Fish and Wildlife (Region 4)	Central Region (Region 4)	1234 East Shaw Avenue	Fresno CA 93710
CA Dept of Fish and Wildlife (Region 6)	Central Region (Region 6)	3602 Inland Empire Blvd Suite C-220	Ontario CA 91764
CA Public Utilities Commission	Michelle Wilson	505 Van Ness Avenue	San Francisco CA 94102
CA Public Utilities Commission	Shannon Clark	505 Van Ness Avenue	San Francisco CA 94102-3214
CA Public Utilities Commission	Peter Chau	300 Capitol Mall	Sacramento CA 95814
CA Public Utilities Commission	Gregory Heiden	505 Van Ness Avenue Area 5-A	San Francisco CA 94102-3214
CA Public Utilities Commission	Boris Sanchez	505 Van Ness Avenue	San Francisco CA 94102-3214
CA Public Utilities Commission	Danielle Dooley	505 Van Ness Avenue	San Francisco CA 94102-3214
CA Public Utilities Commission	Robyn Purchia	505 Van Ness Avenue Room 5109	San Francisco CA 94102-3214
Federal Aviation Administration	Erik Amend	777 S. Aviation Blvd Suite 150	El Segundo, CA 90245
Federal Aviation Administration	Cathryn Carson	777 S. Aviation Blvd. Ste 150	El Segundo CA 90245
U.S. Bureau of Land Management	PMC Project Manager California Desert District Office	1201 Bird Center Drive	Palm Springs CA 92262
U.S. Bureau of Land Management	Marc Stamer	2601 Barstow Road	Barstow CA 92311
U.S. Dept of Defense/ Edwards Airforce Base	Environmental Public Affairs	305 East Popson Avenue	Edwards AFB CA 93524
U.S. DOI Bureau of Land Management, CA Desert District Office	Abraham Stanton	1202 Bird Center Drive	Palm Springs CA 92262
U.S. Fish and Wildlife Service	Paul Souza	2800 Cottage Way	Sacramento CA 95825
Kern County	Aimee Espinoza	1115 Truxtun Avenue	Bakersfield CA 93301-4639
San Bernardino County	Josie Gonzales	222 West Hospitality Lane	San Bernardino CA 92415
City of CA City	Socorro Chavez	21000 Hacienda Blvd	California City CA 93505
Braun Blaising & Wynne PC	Scott Blaising	2600 Capital Avenue Suite 400	Sacramento CA 95816
Southern CA Edison	Lori Charpentier	2244 WALNUT GROVE	ROSEMEAD CA 91770
Southern CA Edison	CASE ADMINISTRATION	8631 RUSH STREET	ROSEMEAD CA 91770
Southern CA Edison	Tammy L Jones	2244 WALNUT GROVE PO BOX 800	ROSEMEAD CA 91770

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail

Organization	Name	Address 1	Address 2
CA Air Resources Board	Dr. Steven Cliff	P.O. Box 2815	Sacramento CA 95812
CA State Water Resources Control Board	Snejana Toneva	320 W. 4th Street 2nd Floor	Los Angeles CA 90013-2343
CA State Water Resources Control Board	Eileen Sobeck	P.O. Box 100	Sacramento CA 95812-0100
CA Dept. of Fish and Wildlife	Charlton Bonham	P.O. Box 944209	Sacramento CA 94233-2090
CA Dept of Health Services	Michelle Bass	P.O. Box 997413	Sacramento CA 95899-7413
CA Dept of Transportation	Office of the Director	P.O. Box 942873	Sacramento CA 94273-0001
CA Dept of Transportation	Marlon Flournoy	P.O. Box 942874	Sacramento CA 94273-0001
CA Dept of Transportation District 8	Rebecca Guirado	464 W. 4th Street	San Bernadino CA 92401
CA Dept of Transportation District 9	Ryan Dermody	500 South Main Street	Bishop, CA 93514
CA Dept of Transportation	Catalino Pining III	464 W. 4th Street	San Bernadino CA 92401
CA Dept of Transportation	Ryan Dermody	500 South Main Street	Bishop CA 93514
CA Energy Commission	Drew Bohan	715 P Street	Sacramento CA 95814
CA Natural Resources Agency	Wade Crowfoot	715 P. Street 20th Floor	Sacramento CA 95814
CA Public Utilities Commission	Leuwam Tesfai	505 Van Ness Avenue	San Francisco CA 94102
CA Public Utilities Commission	Allison Brown	505 Van Ness Avenue	San Francisco CA 94102
CA Office of Historic Preservation	Julianne Polanco	1725 23rd Street Suite 100	Sacramento CA 95816-7100
CA Regional Water Quality Control Board	Jen Zimmerman	15095 Amargosa Rd Bldg 2 Suite 210	Victorville CA 92394
CA Regional Water Quality Control Board	Peter Pumphrey	15095 Amargosa Rd. Bldg 2 Suite 210	Victorville CA 92394
CA State Lands Commission	Jennifer Lucchessi	100 Howe Avenue Suite 100	South Sacramento CA 95825
CA State Water Resources Control Board	Snejana Toneva	320 W. 4th Street 2nd Floor	Los Angeles CA 90013-2343
CA State Water Resources Control Board	Reginald Tan	15095 Amargosa Road - Bldg 2, Ste 210	Victorville CA 92392
CA State Water Resources Control Board	Eileen Sobeck	P.O. Box 100	Sacramento CA 95812-0100
Federal Energy Regulatory Commision	Frank Blackett	100 First Street Suite 2300	San Francisco CA 94105
U.S. Air Force	Imelda Bantilan	225 N. Rosamond 412 CEG/CEIAP	Edwards AFB CA 93524
USACE Regulatory Division	David Castanon	915 Wilshire Blvd. Ste 930	Los Angeles CA 90017
US Fish and Wildlife Service	Brandon Honig	650 Capitol Mall Suite 8-300	Sacramento CA 95814
City of CA City	Marquette Hawkins	21000 Hacienda Blvd	California City CA 93505
City of CA City	LeShelle Cooper	21001 Hacienda Blvd	California City CA 93506
City of CA City	Jay Dunham	21002 Hacienda Blvd	California City CA 93507
City of CA City	Karen Macedonio	21003 Hacienda Blvd	California City CA 93508
City of CA City	Lilia Garcia	21004 Hacienda Blvd	California City CA 93509
City of CA City Public Works	Michelle Martinez	21004 Hacienda Blvd	California City CA 93505
City of CA City Public Works	Sean Grayson	21000 Hacienda Blvd	California City CA 93505
City of CA City Planning and Building Community Development	Anu Doravari	21000 Hacienda Blvd	California City CA 93505
City of CA City	Joe Barragan	21000 Hacienda Blvd	California City CA 93505
City of CA City Public Works	Jennifer Guzman	7800 Moss Ave	California City CA 93505
Eastern Kern Air Pollution Control District	Glen Stephens	2700 M Street Suite 200	Bakersfield CA 93301
Kern County	James Zervis	1115 Truxtun Ave 5th Floor	Bakersfield CA 93301
Kern County	Lorelei Oviatt	2700 M Street Suite 100	Bakersfield CA 93301
Kern County	Joe Ashley	2700 M Street Suite 100	Bakersfield CA 93301

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Organization	Name	Address 1	Address 2
Kern County	Jeff Flores	1115 Truxtun Ave 5th Floor	Bakersfield CA 93301
Kern County	Zack Scrivner	1115 Truxtun Ave 5th Floor	Bakersfield CA 93301
Kern County	Philip Peters	1115 Truxtun Ave 5th Floor	Bakersfield CA 93301
Kern County Council of Governments	Becky Napier	1401 19th Street Suite 300	Bakersfield CA 93301
Kern County Economic Development Corporation	Christina Miller	2700 M Street Suite 200	Bakersfield CA 93301
Kern County Supervisors	Kathleen Krause	1115 Truxtun Ave 5th Floor	Bakersfield CA 93301
Mojave Desert Air Quality Management District	Brad Poirez	14306 Park Avenue	Victorville CA 92392
Mojave Desert Air Quality Management District	Chris Anderson	14306 Park Avenue	Victorville CA 92392
San Bernardino County	Noel Castillo	825 East Third Street	San Bernardino CA 92415
San Bernardino County	Dawn Rowe	385 N. Arrowhead Ave.	San Bernardino CA 92415
San Bernardino County	Paul Cook	14955 Dale Evans Parkway	Apple Valley CA 92307
San Bernardino County	Jonathan Weldy	385 N. Arrowhead Ave.	San Bernardino CA 92415
San Bernardino County	David Doublet	222 W. Hospitality Lane 2nd Floor	San Bernardino CA 92415
San Bernardino County	Luther Snoke	385 N. Arrowhead Ave.	San Bernardino CA 92415
San Bernardino County Planning	Heidi Duron	385 N. Arrowhead Ave.	San Bernardino CA 92415
San Bernardino County Public Works	Brendon Biggs	825 East Third Street	San Bernardino CA 92415
Southern CA Association of Governments	Sarah Patterson	1170 West 3rd Street Suite 140	San Bernardino CA 92410
Southern CA Edison	Yvonne Nemeth	2244 Walnut Grove Ave	ROSEMEAD CA 91770
Southern CA Edison	David De Leon	2 Innovation Way 3rd Floor	Pomona CA 91768
Southern CA Edison	Rey Gonzales MPA	2244 Walnut Grove Ave Quad 2C 258CL	ROSEMEAD CA 91770
North American Electric Reliability Council		3353 Peachtree Road NE Suite 600 North Tower	Atlanta GA 303026

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	300 S SPRING ST # 500	LOS ANGELES, CA 90013
CURRENT RESIDENT	1807 13TH ST STE 103	SACRAMENTO, CA 95811
CURRENT RESIDENT	7009 ALAMOSA WAY	LAS VEGAS, NV 89128
CURRENT RESIDENT	5625 RUFFIN RD STE 210	SAN DIEGO, CA 92123
CURRENT RESIDENT	1715 ROLLING HILLS DR	PRESCOTT, AZ 86303
CURRENT RESIDENT	8142 CALPELLA AVE	HESPERIA, CA 92345
CURRENT RESIDENT	1459 WALNUT AVE	LONG BEACH, CA 90813
CURRENT RESIDENT	700 UNIVERSE BLVD	JUNO BEACH, FL 33408
CURRENT RESIDENT	251 GINKO TER	SUNNYVALE, CA 94086
CURRENT RESIDENT	14091 BUCKBRUSH CT	HESPERIA, CA 92344
CURRENT RESIDENT	3045 REDWOOD ST	LAS VEGAS, NV 89146
CURRENT RESIDENT	3595 INLAND EMPIRE BLVD STE 3	ONTARIO, CA 91764
CURRENT RESIDENT	PO BOX 2193	TEHACHAPI, CA 93581
CURRENT RESIDENT	PO BOX 54470	LEXINGTON, KY 40555
CURRENT RESIDENT	40716 US HIGHWAY 395 # 200	BORON, CA 93516
CURRENT RESIDENT	40716 US HIGHWAY 395	BORON, CA 93516
CURRENT RESIDENT	4603 HURFORD TER	ENCINO, CA 91436
CURRENT RESIDENT	17202 LYNN LN	HUNTINGTON BEACH, CA 92649
CURRENT RESIDENT	880 N MINSTREL RD	SEQUIM, WA 98382
CURRENT RESIDENT	976 N 2500 W	HURRICANE, UT 84737
CURRENT RESIDENT	17310 GRESHAM ST	SHERWOOD FOREST, CA 91325
CURRENT RESIDENT	PO BOX 431	MIRA LOMA, CA 91752
CURRENT RESIDENT	6994 CROOKED FINGER RD NE	SCOTTS MILLS, OR 97375
CURRENT RESIDENT	4428 JUTLAND DR	SAN DIEGO, CA 92117
CURRENT RESIDENT	26432 PEPITA DR	MISSION VIEJO, CA 92691
CURRENT RESIDENT	40716 HIGHWAY	BORON, CA 93516
CURRENT RESIDENT	25831 CHERRYHILL DR	BORON, CA 93516
CURRENT RESIDENT	5348 CENTRAL AVE	RIVERSIDE, CA 92504
CURRENT RESIDENT	PO BOX 51111	LOS ANGELES, CA 90051
CURRENT RESIDENT	2199 N TIMBERGROVE RD	ORANGE, CA 92867
CURRENT RESIDENT	1851 W VALENCIA DR	FULLERTON, CA 92833
CURRENT RESIDENT	PO BOX 2411	LA HABRA, CA 90632
CURRENT RESIDENT	PO BOX 1405	APPLE VALLEY, CA 92307
CURRENT RESIDENT	6054 SAN ROLANDO WAY	BUENA PARK, CA 90620
CURRENT RESIDENT	3310 1ST AVE UNIT 4B	SAN DIEGO, CA 92103
CURRENT RESIDENT	711 EDDY ST APT 4T	SAN FRANCISCO, CA 94109
CURRENT RESIDENT	269 RESERVATION RD APT 222	MARINA, CA 93933
CURRENT RESIDENT	727 RIVERTREE DR	OCEANSIDE, CA 92058
CURRENT RESIDENT	36215 GOLDEN GATE DR	YUCAIPA, CA 92399
CURRENT RESIDENT	14439 BAILEY CT	VICTORVILLE, CA 92394
CURRENT RESIDENT	85535 JASPER PARK RD	PLEASANT HILL, OR 97455

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	2132 S RIMPAU BLVD	LOS ANGELES, CA 90016
CURRENT RESIDENT	8923 WESTMONT DR	IRVING, TX 75063
CURRENT RESIDENT	901 E 19TH ST	GALENA, KS 66739
CURRENT RESIDENT	27862 DOGWOOD GLN	ESCONDIDO, CA 92026
CURRENT RESIDENT	2725 HACKETT AVE	LONG BEACH, CA 90815
CURRENT RESIDENT	2601 LARNE CT	WILMINGTON, NC 28411
CURRENT RESIDENT	SIJLENSTRAAT 5 LICHTAART 24601 B	
CURRENT RESIDENT	11848 ALLARD ST	NORWALK, CA 90650
CURRENT RESIDENT	2975 B ST	SAN DIEGO, CA 92102
CURRENT RESIDENT	2271 E EL PASO AVE	FRESNO, CA 93720
CURRENT RESIDENT	1207 10TH AVE	SACRAMENTO, CA 95818
CURRENT RESIDENT	9938 W WEDGEWOOD CT	CRYSTAL RIVER, FL 34428
CURRENT RESIDENT	14526 BISON CT	EASTVALE, CA 92880
CURRENT RESIDENT	1014 N 5TH ST	SAN JOSE, CA 95112
CURRENT RESIDENT	1730 SWAN LOOP W	UPLAND, CA 91784
CURRENT RESIDENT	5072 PACIFICA DR	SAN DIEGO, CA 92109
CURRENT RESIDENT	13743 VENTURA BLVD STE 290	SHERMAN OAKS, CA 91423
CURRENT RESIDENT	29458 VIA ESPADA	MURRIETA, CA 92563
CURRENT RESIDENT	12722 ANDY ST	CERRITOS, CA 90703
CURRENT RESIDENT	2601 BARSTOW RD	BARSTOW, CA 92311
CURRENT RESIDENT	6100 BEL AIRE WAY	BAKERSFIELD, CA 93309
CURRENT RESIDENT	10826 7TH AVE	HESPERIA, CA 92345
CURRENT RESIDENT	8057 ADELAIDE DR	COLUMBUS, GA 31909
CURRENT RESIDENT	8124 BAY SPRINGS DR	LAS VEGAS, NV 89128
CURRENT RESIDENT	30330 HORSETHIEF DR	TEHACHAPI, CA 93561
CURRENT RESIDENT	8059 VAN NOORD AVE	NORTH HOLLYWOOD, CA 91605
CURRENT RESIDENT	6562 BIANCA AVE	VAN NUYS, CA 91406
CURRENT RESIDENT	15232 VALEDA DR	LA MIRADA, CA 90638
CURRENT RESIDENT	2616 CABRILLO AVE	TORRANCE, CA 90501
CURRENT RESIDENT	5330 E HONEYWOOD LN	ANAHEIM, CA 92807
CURRENT RESIDENT	8200 STOCKDALE HWY # M10-277	BAKERSFIELD, CA 93311
CURRENT RESIDENT	975 WOODLAND PKWY APT 340	SAN MARCOS, CA 92069
CURRENT RESIDENT	PO BOX 2387	CALIFORNIA CITY, CA 93504
CURRENT RESIDENT	5 WOODMAR CIR	ELLINGTON, CT 6029
CURRENT RESIDENT	510 PACIFIC AVE APT 8	VENICE, CA 90291
CURRENT RESIDENT	942 BRADLEY CT	WEST PALM BCH, FL 33405
CURRENT RESIDENT	117 CORTE DEL ENCINO	SONORA, CA 95370
CURRENT RESIDENT	3626 TILDEN AVE	LOS ANGELES, CA 90034
CURRENT RESIDENT	1648 CARMEL CIR E	UPLAND, CA 91784
CURRENT RESIDENT	PO BOX 1216	RIDGEFIELD, WA 98642
CURRENT RESIDENT	3289 BLUE RIDGE CT	WESTLAKE VLG, CA 91362

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	11668 TREE HOLLOW LN	SAN DIEGO, CA 92128
CURRENT RESIDENT	4662 E FIRESTONE DR	CHANDLER, AZ 85249
CURRENT RESIDENT	1260 ALA ALOALO ST	HONOLULU, HI 96818
CURRENT RESIDENT	PO BOX 1689	CAMBRIA, CA 93428
CURRENT RESIDENT	2700 M ST STE 500	BAKERSFIELD, CA 93301
CURRENT RESIDENT	9127 MILLS AVE	WHITTIER, CA 90603
CURRENT RESIDENT	567 32ND AVE	SAN FRANCISCO, CA 94121
CURRENT RESIDENT	451 38TH AVE	SAN FRANCISCO, CA 94121
CURRENT RESIDENT	13312 RANCHERO RD # 430	OAK HILLS, CA 92344
CURRENT RESIDENT	415 W I ST	ONTARIO, CA 91762
CURRENT RESIDENT	930 POPLAR AVE	BOULDER, CO 80304
CURRENT RESIDENT	4470 CENTER AVE	NORCO, CA 92860
CURRENT RESIDENT	4687 MANTER CT	CASTRO VALLEY, CA 94552
CURRENT RESIDENT	15870 PARKHOUSE DR	FONTANA, CA 92336
CURRENT RESIDENT	PO BOX 463	AIEA, HI 96701
CURRENT RESIDENT	1820 COURT DR	TRACY, CA 95376
CURRENT RESIDENT	5533 BOBBIE AVE	PALMDALE, CA 93551
CURRENT RESIDENT	15206 W WHITE WOOD DR	SUN CITY WEST, AZ 85375
CURRENT RESIDENT	1320 SIERRA LINDA DR	ESCONDIDO, CA 92025
CURRENT RESIDENT	4476 CORDIA CIR	COCONUT CREEK, FL 33066
CURRENT RESIDENT	253 PACKERS FALLS RD	DURHAM, NH 3824
CURRENT RESIDENT	1200 47TH AVE	SAN FRANCISCO, CA 94122
CURRENT RESIDENT	11555 MEDLOCK BRIDGE RD STE 100	DULUTH, GA 30097
CURRENT RESIDENT	12818 BEECHFIELD DR	BAKERSFIELD, CA 93312
CURRENT RESIDENT	426 BROADWAY ST STE 205	CHICO, CA 95928
CURRENT RESIDENT	PO BOX 6009 DUBAI UAE 06009	
CURRENT RESIDENT	31649 SEA LEVEL DR	MALIBU, CA 90265
CURRENT RESIDENT	73 1147 KAHUNA AO RD	KAILUA KONA, HI 96740
CURRENT RESIDENT	37841 NOBLE CT	PALMDALE, CA 93552
CURRENT RESIDENT	1390 CARROLL AVE	SAN FRANCISCO, CA 94124
CURRENT RESIDENT	912 1ST CT	BROOKLYN, NY 11223
CURRENT RESIDENT	4900 HOPYARD RD STE 350	PLEASANTON, CA 94588
CURRENT RESIDENT	PO BOX 730481	SAN JOSE, CA 95173
CURRENT RESIDENT	2117 VISTA ENTRADA	NEWPORT BEACH, CA 92660
CURRENT RESIDENT	10104 NORMAN CT	IRVING, TX 75063
CURRENT RESIDENT	8210 HIDDEN TRAIL LN	SPRING, TX 77379
CURRENT RESIDENT	2206 THAYER AVE	HAYWARD, CA 94545
CURRENT RESIDENT	8731 WHITAKER AVE	NORTHRIDGE, CA 91343
CURRENT RESIDENT	8225 OAKLEIGH RD	PARKVILLE, MD 21234
CURRENT RESIDENT	520 PINE AVE SPC 31	GOLETA, CA 93117
CURRENT RESIDENT	1510 S 6TH AVE # B	ARCADIA, CA 91006

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	1783 MEDINAH RD	SAN MARCOS, CA 92069
CURRENT RESIDENT	2849 FOREST LODGE RD	PEBBLE BEACH, CA 93953
CURRENT RESIDENT	9905 CEDAR ST APT 1	BELLFLOWER, CA 90706
CURRENT RESIDENT	33854 HANAWALT RD	SANTA CLARITA, CA 91390
CURRENT RESIDENT	100 VETERANS PKWY # B211	BARSTOW, CA 92311
CURRENT RESIDENT	PO BOX 2005	CALIFORNIA CITY, CA 93504
CURRENT RESIDENT	2937 AVENIDA THERESA	CARLSBAD, CA 92009
CURRENT RESIDENT	405 MISSOURI CT	REDLANDS, CA 92373
CURRENT RESIDENT	1518 11TH AVE	SAN FRANCISCO, CA 94122
CURRENT RESIDENT	3970 THE WOODS DR APT 1308	SAN JOSE, CA 95136
CURRENT RESIDENT	10314 CAROLINA WILLOW DR	FORT MYERS, FL 33913
CURRENT RESIDENT	943 17TH AVE	HONOLULU, HI 96816
CURRENT RESIDENT	10655 S GREENWICH RD	MULVANE, KS 67110
CURRENT RESIDENT	3823 RAINIER DR	HOWELL, MI 48843
CURRENT RESIDENT	2321 THAYER ST	EVANSTON, IL 60201
CURRENT RESIDENT	5627 E CORALITE ST	LONG BEACH, CA 90808
CURRENT RESIDENT	PO BOX 2588	CALIF CITY, CA 93504
CURRENT RESIDENT	13794 W WADDELL RD STE 203	SURPRISE, AZ 85379
CURRENT RESIDENT	2650 WEBSTER CT	SANTA CLARA, CA 95051
CURRENT RESIDENT	26622 TORREYPINES DR	NEWHALL, CA 91321
CURRENT RESIDENT	PO BOX 77247	CORONA, CA 92877
CURRENT RESIDENT	118 WOOD CREEK DR	MADISON, AL 35758
CURRENT RESIDENT	7652 FARMDALE AVE	NORTH HOLLYWOOD, CA 91605
CURRENT RESIDENT	360 IVY AVE	STOCKTON, CA 95206
CURRENT RESIDENT	2106 GRAHAM AVE	REDONDO BEACH, CA 90278
CURRENT RESIDENT	953 S 3RD ST	SAN JOSE, CA 95112
CURRENT RESIDENT	2019 N EVERGREEN ST	BURBANK, CA 91505
CURRENT RESIDENT	3009 ALA MAKAHALA PL APT 507	HONOLULU, HI 96818
CURRENT RESIDENT	9440 EAGLE VIEW WAY	GILROY, CA 95020
CURRENT RESIDENT	4000 E CAMBRIDGE AVE	VISALIA, CA 93292
CURRENT RESIDENT	541 ROYCE ST	ALTADENA, CA 91001
CURRENT RESIDENT	13038 SYCAMORE VILLAGE DR	NORWALK, CA 90650
CURRENT RESIDENT	2553 N CROSSGATE ST	ORANGE, CA 92867
CURRENT RESIDENT	9937 W CHIPMAN RD	TOLLESON, AZ 85353
CURRENT RESIDENT	640 REED CT	NORTHVILLE, MI 48167
CURRENT RESIDENT	14014 CARTAGE KNOLLS DR	CYPRESS, TX 77429
CURRENT RESIDENT	840 S RANCHO DR # 4283	LAS VEGAS, NV 89106
CURRENT RESIDENT	10825 E BOSTON ST	APACHE JUNCTION, AZ 85120
CURRENT RESIDENT	2705 W 82ND PL	INGLEWOOD, CA 90305
CURRENT RESIDENT	3575 MUSTANG SPRINGS RD	PASO ROBLES, CA 93446
CURRENT RESIDENT	3825 ORANGE WAY	OCEANSIDE, CA 92057

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	8600 HIERBA RD	AGUA DULCE, CA 91390
CURRENT RESIDENT	11081 CORONEL RD	SANTA ANA, CA 92705
CURRENT RESIDENT	5757 OWENSMOUTH AVE UNIT 5	WOODLAND HILLS, CA 91367
CURRENT RESIDENT	6221 BOX SPRINGS BLVD	RIVERSIDE, CA 92507
CURRENT RESIDENT	4067 MISSION INN AVE	RIVERSIDE, CA 92501
CURRENT RESIDENT	2700 M ST STE 450	BAKERSFIELD, CA 93301
CURRENT RESIDENT	28850 TOPSFIELD CT	TEMECULA, CA 92591
CURRENT RESIDENT	PO BOX 4896	HAGATNA, GU 96932
CURRENT RESIDENT	6439 E CAMINO DE LOS RANCHOS	SCOTTSDALE, AZ 85254
CURRENT RESIDENT	7741 AMPERE AVE	NORTH HOLLYWOOD, CA 91605
CURRENT RESIDENT	1552 THURSTON AVE APT 3	HONOLULU, HI 96822
CURRENT RESIDENT	468 N CAMDEN DR # 2	BEVERLY HILLS, CA 90210
CURRENT RESIDENT	432 ENA RD RM 204	HONOLULU, HI 96815
CURRENT RESIDENT	PO BOX 882025	SAN DIEGO, CA 92168
CURRENT RESIDENT	19671 SURFBREAKER LN	HUNTINGTN BCH, CA 92648
CURRENT RESIDENT	11 BROOK RD	STRAFFORD, VT 5072
CURRENT RESIDENT	PO BOX 1350	TEHACHAPI, CA 93581
CURRENT RESIDENT	PO BOX 3051	ONTARIO, CA 91761
CURRENT RESIDENT	1611 BLAZING STAR DR	HACIENDA HTS, CA 91745
CURRENT RESIDENT	712 GREENBRIAR DR	KELLER, TX 76248
CURRENT RESIDENT	PO BOX 1510	LA MIRADA, CA 90637
CURRENT RESIDENT	119 ESTRELLA	TUSTIN, CA 92780
CURRENT RESIDENT	15000 MAYALL ST	MISSION HILLS, CA 91345
CURRENT RESIDENT	1441 HOMEWOOD RD APT 96I	SEAL BEACH, CA 90740
CURRENT RESIDENT	11189 SW 78TH AVE	PINECREST, FL 33156
CURRENT RESIDENT	806 SAINT VINCENT	IRVINE, CA 92618
CURRENT RESIDENT	322 KAWAINUI ST	KAILUA, HI 96734
CURRENT RESIDENT	2829 TOWNSGATE RD STE 100	WESTLAKE VILLAGE, CA 91361
CURRENT RESIDENT	3909 LEONA ST	SAN MATEO, CA 94403
CURRENT RESIDENT	480 BENVENUE AVE	LOS ALTOS, CA 94024
CURRENT RESIDENT	1005 SUFFOLK PARK RD	GARLAND, TX 75040
CURRENT RESIDENT	14441 85TH ST SW	BOWMAN, ND 58623
CURRENT RESIDENT	29509 SPRINGSIDE DR	MENIFEE, CA 92584
CURRENT RESIDENT	16399 SALINAS ST	VICTORVILLE, CA 92394
CURRENT RESIDENT	8165 FERWOOD AVE	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	2320 STANLEY AVE	SIGNAL HILL, CA 90755
CURRENT RESIDENT	8200 HAMPTON OAK CT	MC LEAN, VA 22102
CURRENT RESIDENT	94 1473 WAIPIO UKA ST # I105	WAIPAHU, HI 96797
CURRENT RESIDENT	7728 LANKERSHIM BLVD	N HOLLYWOOD, CA 91605
CURRENT RESIDENT	299 SCHOOL HOUSE LN	WOODSTOCK, VA 22664
CURRENT RESIDENT	36800 WILDWOOD CANYON RD	YUCAIPA, CA 92399

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	3956 KENWAY AVE	VIEW PARK, CA 90008
CURRENT RESIDENT	PO BOX 451801	LOS ANGELES, CA 90045
CURRENT RESIDENT	27550 BARONI RD	MENIFEE, CA 92585
CURRENT RESIDENT	1211 1 2 E HARVARD BL #B # B	SANTA PAULA, CA 93060
CURRENT RESIDENT	2608 E MCKITTRICK PL	BREA, CA 92821
CURRENT RESIDENT	PO BOX 56867	SHERMAN OAKS, CA 91413
CURRENT RESIDENT	8757 CANBY AVE APT 301	NORTHRIDGE, CA 91325
CURRENT RESIDENT	4835 ANDASOL AVE	ENCINO, CA 91316
CURRENT RESIDENT	2244 WALNUT GROVE AVE	ROSEMEAD, CA 91770
CURRENT RESIDENT	2 INNOVATION WAY # 2ND	POMONA, CA 91768
CURRENT RESIDENT	PO BOX 41895	BAKERSFIELD, CA 93384
CURRENT RESIDENT	413 TYLER RD	MERCED, CA 95341
CURRENT RESIDENT	50 E NORTH TEMPLE # 2225	SALT LAKE CITY, UT 84150
CURRENT RESIDENT	243 DUFOUR ST	SANTA CRUZ, CA 95060
CURRENT RESIDENT	12756 27TH AVE NE	SEATTLE, WA 98125
CURRENT RESIDENT	11661 SAN VICENTE BLVD STE 410	LOS ANGELES, CA 90049
CURRENT RESIDENT	42844 19TH ST W	LANCASTER, CA 93534
CURRENT RESIDENT	PO BOX 3176	LANCASTER, CA 93586
CURRENT RESIDENT	5142 CLARETON DR STE 240	AGOURA HILLS, CA 91301
CURRENT RESIDENT	8040 NARDIAN WAY	LOS ANGELES, CA 90045
CURRENT RESIDENT	3315 DESCANSO AVE	SAN MARCOS, CA 92078
CURRENT RESIDENT	PO BOX 40008	PASADENA, CA 91114
CURRENT RESIDENT	4602 ETHEL AVE	SHERMAN OAKS, CA 91423
CURRENT RESIDENT	10584 GRAMERCY PL	RIVERSIDE, CA 92505
CURRENT RESIDENT	3409 BRONSON ST	SAN BERNARDINO, CA 92407
CURRENT RESIDENT	14265 ENGLISH SETTER ST	EASTVALE, CA 92880
CURRENT RESIDENT	16977 HILLCREST AVE	EDWARDS, CA 93523
CURRENT RESIDENT	27446 CHERRY CREEK DR	VALENCIA, CA 91354
CURRENT RESIDENT	16905 HILLCREST AVE	EDWARDS, CA 93523
CURRENT RESIDENT	PO BOX 2295	ROSAMOND, CA 93560
CURRENT RESIDENT	621 32ND ST APT 37	BELLINGHAM, WA 98225
CURRENT RESIDENT	42 PETRINI CIR	NEEDHAM, MA 2492
CURRENT RESIDENT	12525 TREERANCH RD	OJAI, CA 93023
CURRENT RESIDENT	6206 FLICKERTAIL DR	BISMARCK, ND 58503
CURRENT RESIDENT	3338 LA MESA DR APT 6	SAN CARLOS, CA 94070
CURRENT RESIDENT	3976 ALBRIGHT AVE	LOS ANGELES, CA 90066
CURRENT RESIDENT	13894 SW AUTUMN RIDGE TRL	PORTLAND, OR 97267
CURRENT RESIDENT	51 KINGS LAKE BLVD	DEFUNIAK SPRINGS, FL 32433
CURRENT RESIDENT	EDMONTON ALBERTA CANADA T5H 0A8	
CURRENT RESIDENT	23962 EL MIRAGE AVE	LAGUNA NIGUEL, CA 92677
CURRENT RESIDENT	68579 VEGA RD	CATHEDRAL CITY, CA 92234

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	1050 9TH ST	HERMOSA BEACH, CA 90254
CURRENT RESIDENT	2006 OLD HIGHWAY 395	FALLBROOK, CA 92028
CURRENT RESIDENT	4700 W DAYBREAK PKWY	SOUTH JORDAN, UT 84009
CURRENT RESIDENT	7 LAVENDER CT	PASCO, WA 99301
CURRENT RESIDENT	PO BOX 26092	ANAHEIM, CA 92825
CURRENT RESIDENT	16370 WHITE GOLD CT	RIVERSIDE, CA 92504
CURRENT RESIDENT	420 19TH ST	RICHMOND, CA 94801
CURRENT RESIDENT	9001 N 87TH PL	SCOTTSDALE, AZ 85258
CURRENT RESIDENT	6505 LACONA ST	FORESTVILLE, MD 20747
CURRENT RESIDENT	5328 VIA JACINTO	THOUSAND OAKS, CA 91320
CURRENT RESIDENT	3804 MARWICK AVE	LONG BEACH, CA 90808
CURRENT RESIDENT	19620 RATHBONE CIR	MONUMENT, CO 80132
CURRENT RESIDENT	40035 BUCKWOOD WAY	MURRIETA, CA 92562
CURRENT RESIDENT	27586 SYLVIA AVE	ROMOLAND, CA 92585
CURRENT RESIDENT	PO BOX 2208	BIG BEAR CITY, CA 92314
CURRENT RESIDENT	20952 MONARCH LN	HUNTINGTON BEACH, CA 92646
CURRENT RESIDENT	51 GEYSER RDG	GEYSERVILLE, CA 95441
CURRENT RESIDENT	3216 RIKKARD DR	THOUSAND OAKS, CA 91362
CURRENT RESIDENT	2493 SAINT JOHNS LN	MELBOURNE, FL 32935
CURRENT RESIDENT	PO BOX 36	WOODLAND HILLS, CA 91365
CURRENT RESIDENT	2404 PANORAMA LN	ROSAMOND, CA 93560
CURRENT RESIDENT	8051 E MAPLEWOOD AVE	GREENWOOD VLG, CO 80111
CURRENT RESIDENT	18600 S NEW HAMPSHIRE AVE	GARDENA, CA 90248
CURRENT RESIDENT	21250 CALIFA ST STE 113	WOODLAND HILLS, CA 91367
CURRENT RESIDENT	19846 KENNEBEC WAY	CALDWELL, ID 83605
CURRENT RESIDENT	4869 S DESERT SUNSET DR	GREEN VALLEY, AZ 85622
CURRENT RESIDENT	5305 CORNERSTONE DR	MCKINNEY, TX 75070
CURRENT RESIDENT	10401 VENICE BLVD # 283	LOS ANGELES, CA 90034
CURRENT RESIDENT	7248 FOXCROFT ST	RIVERSIDE, CA 92506
CURRENT RESIDENT	555 W 5TH ST STE 4000	LOS ANGELES, CA 90013
CURRENT RESIDENT	466 FOOTHILL BLVD # 317	LA CANADA FLINTRIDGE, CA 91011
CURRENT RESIDENT	12200 DEL ORO ST	BORON, CA 93516
CURRENT RESIDENT	PO BOX 252	WRIGHTWOOD, CA 92397
CURRENT RESIDENT	2549 EASTBLUFF DR	NEWPORT BEACH, CA 92660
CURRENT RESIDENT	8357 BOISE ST	VENTURA, CA 93004
CURRENT RESIDENT	1102 VIA HISPANO	NEWBURY PARK, CA 91320
CURRENT RESIDENT	13311 TWIN HILLS DR APT 55F	SEAL BEACH, CA 90740
CURRENT RESIDENT	3019 EL MONTE AVE	OAKLAND, CA 94605
CURRENT RESIDENT	15346 SW ROUNDTREE DR	TIGARD, OR 97223
CURRENT RESIDENT	1721 BERNADETTE ST	OXNARD, CA 93030
CURRENT RESIDENT	1044 N PASS AVE	BURBANK, CA 91505

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	465 LA CORSO CIR	WALNUT CREEK, CA 94598
CURRENT RESIDENT	23201 MILL CREEK DR FL 3	LAGUNA HILLS, CA 92653
CURRENT RESIDENT	3016 BONITA WOODS DR	BONITA, CA 91902
CURRENT RESIDENT	3564 EVENING CANYON RD	OCEANSIDE, CA 92056
CURRENT RESIDENT	9 MONARCH	IRVINE, CA 92604
CURRENT RESIDENT	581 SISKIN PL	SIMI VALLEY, CA 93065
CURRENT RESIDENT	19351 HICKORY LN	HUNTINGTON BEACH, CA 92646
CURRENT RESIDENT	3895 N 3482 E KIMBERLY	
CURRENT RESIDENT	1450 KEARNEY ST	SAINT HELENA, CA 94574
CURRENT RESIDENT	PO BOX 4276	ORANGE, CA 92863
CURRENT RESIDENT	1004 BELL AVE	LOMPOC, CA 93436
CURRENT RESIDENT	PO BOX 7663	LAGUNA NIGUEL, CA 92607
CURRENT RESIDENT	2170 SAINT FRANCIS DR	PALO ALTO, CA 94303
CURRENT RESIDENT	821 GEORGINA AVE	SANTA MONICA, CA 90402
CURRENT RESIDENT	74410 PEPPERGRASS ST	PALM DESERT, CA 92260
CURRENT RESIDENT	36153 SIERRA HWY	PALMDALE, CA 93550
CURRENT RESIDENT	7720 NE HIGHWAY 99 # D626	VANCOUVER, WA 98665
CURRENT RESIDENT	554 E 25TH PL	YUMA, AZ 85365
CURRENT RESIDENT	2109 PULLMAN LN	REDONDO BEACH, CA 90278
CURRENT RESIDENT	1208 MACKAY LN	REDONDO BEACH, CA 90278
CURRENT RESIDENT	1001 BRIDGEWAY # 620	SAUSALITO, CA 94965
CURRENT RESIDENT	2132 S BUNDY DR	FRESNO, CA 93727
CURRENT RESIDENT	2432 PINE KNOLL DR UNIT 4	WALNUT CREEK, CA 94595
CURRENT RESIDENT	PO BOX 3930	DANA POINT, CA 92629
CURRENT RESIDENT	11325 BARHARBOR WAY	KNOXVILLE, TN 37934
CURRENT RESIDENT	1898 LEMON GROVE ST	HENDERSON, NV 89052
CURRENT RESIDENT	PO BOX 1472	DEWEY, AZ 86327
CURRENT RESIDENT	983 OAKDALE ST	CORONA, CA 92878
CURRENT RESIDENT	PO BOX 7445	NORTHRIDGE, CA 91327
CURRENT RESIDENT	12231 CHAPMAN AVE APT 2	GARDEN GROVE, CA 92840
CURRENT RESIDENT	2836 HYDRA DR	LOVELAND, CO 80537
CURRENT RESIDENT	17553 GILMORE ST	VAN NUYS, CA 91406
CURRENT RESIDENT	455 E 3RD ST APT 807	LOS ANGELES, CA 90013
CURRENT RESIDENT	2039 W 182ND ST APT B	TORRANCE, CA 90504
CURRENT RESIDENT	1903 RALPH AVE	STOCKTON, CA 95206
CURRENT RESIDENT	PO BOX 4515	DIAMOND BAR, CA 91765
CURRENT RESIDENT	3466 TICE CREEK DR APT 1	WALNUT CREEK, CA 94595
CURRENT RESIDENT	1038 S ARDMORE AVE APT 105	LOS ANGELES, CA 90006
CURRENT RESIDENT	936 S CALIFORNIA ST	SAN GABRIEL, CA 91776
CURRENT RESIDENT	1119 ALDEN CT	HOLLAND, MI 49423
CURRENT RESIDENT	509 ANDOVER DR	BURBANK, CA 91504

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	14932 GREENLEAF ST	SHERMAN OAKS, CA 91403
CURRENT RESIDENT	PO BOX 961039	FORT WORTH, TX 76161
CURRENT RESIDENT	27869 LONGHILL DR	RANCHO PALOS VERDES, CA 90275
CURRENT RESIDENT	255 SAN JOAQUIN ST	LAGUNA BEACH, CA 92651
CURRENT RESIDENT	15900 KENNEDY RD	LOS GATOS, CA 95032
CURRENT RESIDENT	7271 PARAMOUNT BLVD	PICO RIVERA, CA 90660
CURRENT RESIDENT	8505 BRUCE AVE	RIVERSIDE, CA 92503
CURRENT RESIDENT	1872 HOLLY TREE LN	SANTA ANA, CA 92705
CURRENT RESIDENT	5240 ZELZAH AVE APT 203	ENCINO, CA 91316
CURRENT RESIDENT	7243 ALAMEDA AVE	GOLETA, CA 93117
CURRENT RESIDENT	5810 CINNAMON DR	PRESCOTT, AZ 86305
CURRENT RESIDENT	26 HATHAWAY RD	LEXINGTON, MA 2420
CURRENT RESIDENT	1060 E 19TH ST	LONG BEACH, CA 90806
CURRENT RESIDENT	71 ALAMEDA AVE	HALF MOON BAY, CA 94019
CURRENT RESIDENT	404 N RIVERWOOD CIR	BRANDON, SD 57005
CURRENT RESIDENT	4433 MCNAB AVE	LAKEWOOD, CA 90713
CURRENT RESIDENT	1124 BACON WAY	LAFAYETTE, CA 94549
CURRENT RESIDENT	531 TOWERING VISTA PL	HENDERSON, NV 89012
CURRENT RESIDENT	49170 ARROYO WAY	AGUANGA, CA 92536
CURRENT RESIDENT	678 PALISADES DR	PACIFIC PALISADES, CA 90272
CURRENT RESIDENT	1035 MYRTLE WAY	SAN DIEGO, CA 92103
CURRENT RESIDENT	2901 BEAVER VALLEY RD	PORT LUDLOW, WA 98365
CURRENT RESIDENT	15920 SILVER SPRINGS DR	CHINO HILLS, CA 91709
CURRENT RESIDENT	4516 IROQUOIS AVE	LAKEWOOD, CA 90713
CURRENT RESIDENT	8508 E CANYON VISTA DR	ANAHEIM, CA 92808
CURRENT RESIDENT	5574 GREENOAK DR	SAN JOSE, CA 95129
CURRENT RESIDENT	1053 GLENOAK DR	COVINA, CA 91724
CURRENT RESIDENT	560 BORANDA CT	MOUNTAIN VIEW, CA 94040
CURRENT RESIDENT	10622 BEACON AVE	GARDEN GROVE, CA 92843
CURRENT RESIDENT	526 S WOODSTOCK DR	PUEBLO, CO 81007
CURRENT RESIDENT	1352 KNOLL DR	OCEANSIDE, CA 92054
CURRENT RESIDENT	14637 CASTLE BUTTE RD	EDWARDS, CA 93523
CURRENT RESIDENT	14637 CASTLE BUTTE RD	NORTH EDWARDS, CA 93523
CURRENT RESIDENT	1673 CASA MILA DR UNIT 3	CHULA VISTA, CA 91913
CURRENT RESIDENT	17601 BURKWOOD CIR	YORBA LINDA, CA 92886
CURRENT RESIDENT	1211 E RADBARD ST	CARSON, CA 90746
CURRENT RESIDENT	21794 W 123RD TER	OLATHE, KS 66061
CURRENT RESIDENT	PO BOX 3488	LAKEWOOD, CA 90711
CURRENT RESIDENT	PO BOX 293	NORTH HOLLYWOOD, CA 91603
CURRENT RESIDENT	13348 LAMEL ST	NORTH EDWARDS, CA 93523
CURRENT RESIDENT	4050 WILLOWCREST AVE	STUDIO CITY, CA 91604

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	6717 BESTWOOD CT	SAN DIEGO, CA 92119
CURRENT RESIDENT	5700 LOGAN ST	BAKERSFIELD, CA 93308
CURRENT RESIDENT	8835 E SUNNYSIDE RD	COEUR D ALENE, ID 83814
CURRENT RESIDENT	10009 PLAZA DE ORO DR	OAKDALE, CA 95361
CURRENT RESIDENT	10481 PRATO ST	WELLINGTON, FL 33414
CURRENT RESIDENT	1869 E SMOKE TREE RD	GILBERT, AZ 85296
CURRENT RESIDENT	72 BRAZIL RD	SEQUIM, WA 98382
CURRENT RESIDENT	17440 VISTA ST	HESPERIA, CA 92345
CURRENT RESIDENT	15338 SEQUOIA GROVE AVE	BAKERSFIELD, CA 93314
CURRENT RESIDENT	PO BOX 16525	BEVERLY HILLS, CA 90209
CURRENT RESIDENT	989 S GOLDA AVE	SAINT GEORGE, UT 84790
CURRENT RESIDENT	158 ELKINS PL	ARCADIA, CA 91006
CURRENT RESIDENT	9187 CROCUS AVE	FOUNTAIN VLY, CA 92708
CURRENT RESIDENT	1048 N LEAF AVE	COVINA, CA 91722
CURRENT RESIDENT	2949 E NIGHTHAWK WAY	PHOENIX, AZ 85048
CURRENT RESIDENT	2634 LA PALOMA CIR	THOUSAND OAKS, CA 91360
CURRENT RESIDENT	21569 LANE ST	PERRIS, CA 92570
CURRENT RESIDENT	21 CONSERVANCY	IRVINE, CA 92618
CURRENT RESIDENT	1624 BIRDSONG PL	EL CAJON, CA 92021
CURRENT RESIDENT	PO BOX 305	BROOKINGS, OR 97415
CURRENT RESIDENT	15520 NICKENS RD	SHAWNEE, OK 74801
CURRENT RESIDENT	19301 OLYMPIA ST	NORTHRIDGE, CA 91326
CURRENT RESIDENT	2 BERRYWOOD LN	IRVINE, CA 92620
CURRENT RESIDENT	15430 E PICKETT CT	GILBERT, AZ 85298
CURRENT RESIDENT	3701 VERONICA AVE	PERRIS, CA 92571
CURRENT RESIDENT	339 21ST PL	SANTA MONICA, CA 90402
CURRENT RESIDENT	3705 S BUNTIN LOOP	KENNEWICK, WA 99337
CURRENT RESIDENT	3809 N BUFFALO DR # 255	LAS VEGAS, NV 89129
CURRENT RESIDENT	87 SCARBOROUGH PL	TOMS RIVER, NJ 8757
CURRENT RESIDENT	11102 DELTFIELD CT	RICHMOND, TX 77407
CURRENT RESIDENT	9162 LAMPSON AVE	GARDEN GROVE, CA 92841
CURRENT RESIDENT	412 GARRETT RD	NEWPORT, WA 99156
CURRENT RESIDENT	431 N LA LUNA AVE	OJAI, CA 93023
CURRENT RESIDENT	1001 PARTRIDGE DR STE 220	VENTURA, CA 93003
CURRENT RESIDENT	450 N ACACIA AVE	RIALTO, CA 92376
CURRENT RESIDENT	655 WALNUT DR	LAKEPORT, CA 95453
CURRENT RESIDENT	2463 LA FRANCE ST	SAN DIEGO, CA 92109
CURRENT RESIDENT	5611 LAWLER ST	SACRAMENTO, CA 95835
CURRENT RESIDENT	15367 TOYA LN	EL CAJON, CA 92021
CURRENT RESIDENT	9509 OAK GLEN RD	CHERRY VALLEY, CA 92223
CURRENT RESIDENT	155 SEDALIA TRL W	INGRAM, TX 78025

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	7708 ARCOLA AVE	SUN VALLEY, CA 91352
CURRENT RESIDENT	3936 CASTELLINA WAY	MANTECA, CA 95337
CURRENT RESIDENT	PO BOX 3342	BEAUMONT, CA 92223
CURRENT RESIDENT	1220 BROAD ACRES DR	NORMAN, OK 73072
CURRENT RESIDENT	14432 W CENTER DR	LAKEWOOD, CO 80228
CURRENT RESIDENT	1950 STONER AVE	LOS ANGELES, CA 90025
CURRENT RESIDENT	641 S BEACHWOOD DR	BURBANK, CA 91506
CURRENT RESIDENT	5650 VARNA AVE	VAN NUYS, CA 91401
CURRENT RESIDENT	PO BOX 461533	ESCONDIDO, CA 92046
CURRENT RESIDENT	1035 WOODACRE LN	ARCADIA, CA 91006
CURRENT RESIDENT	10241 AURA AVE	NORTHRIDGE, CA 91324
CURRENT RESIDENT	1420 PEERLESS PL APT 205	LOS ANGELES, CA 90035
CURRENT RESIDENT	189 DIAMOND POINT DR	DRIPPING SPRINGS, TX 78620
CURRENT RESIDENT	804 RAINBOW DR	RICHARDSON, TX 75081
CURRENT RESIDENT	470 CARBONIA AVE	WALNUT, CA 91789
CURRENT RESIDENT	27167 JEROME ST	BORON, CA 93516
CURRENT RESIDENT	25612 GOLDENSPRING DR	DANA POINT, CA 92629
CURRENT RESIDENT	3821 S 2740 E	SALT LAKE CITY, UT 84109
CURRENT RESIDENT	3865 VALLEY LIGHTS DR	PASADENA, CA 91107
CURRENT RESIDENT	117 27TH ST	MANHATTAN BEACH, CA 90266
CURRENT RESIDENT	437 CADBROOK DR	LA PUENTE, CA 91744
CURRENT RESIDENT	2401 COUNTRY VIEW LN APT 245	MC KINNEY, TX 75069
CURRENT RESIDENT	1813 DAWNRIDGE CT	PALMDALE, CA 93551
CURRENT RESIDENT	2218 N 2ND AVE	UPLAND, CA 91784
CURRENT RESIDENT	2631 SUNSHINE VALLEY CT	SIMI VALLEY, CA 93063
CURRENT RESIDENT	40 RESTON WAY	LADERA RANCH, CA 92694
CURRENT RESIDENT	3142 WATERS WAY DR	SUGAR LAND, TX 77478
CURRENT RESIDENT	21000 HACIENDA BLVD	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	1041 E PALM AVE	BURBANK, CA 91501
CURRENT RESIDENT	3530 TURCHAS WAY	N LAS VEGAS, NV 89032
CURRENT RESIDENT	2053 BORCELONA CIRCLE	BARSTOW, OR 97311
CURRENT RESIDENT	9212 LEMONA AVE	NORTH HILLS, CA 91343
CURRENT RESIDENT	14541 SANDY HOOK RD NE	POULSBO, WA 98370
CURRENT RESIDENT	3940 RAMSDELL AVE	LA CRESCENTA, CA 91214
CURRENT RESIDENT	7600 W MANCHESTER AVE APT 247	PLAYA DEL REY, CA 90293
CURRENT RESIDENT	5753 STANFIELD CT	CHINO HILLS, CA 91709
CURRENT RESIDENT	4826 PALMETTO ST	BELLAIRE, TX 77401
CURRENT RESIDENT	12430 PAIZ PL	NORWALK, CA 90650
CURRENT RESIDENT	16765 SELBY DR	SAN LEANDRO, CA 94578
CURRENT RESIDENT	3120 TERRACE VIEW AVE	ANTIOCH, CA 94531
CURRENT RESIDENT	11205 EL CAMINO REAL APT E	ATASCADERO, CA 93422

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	11616 169TH ST	ARTESIA, CA 90701
CURRENT RESIDENT	140 LIBERTY LN	MOUNTAIN HOME, AR 72653
CURRENT RESIDENT	8653 BENNINGTON ST	SAN DIEGO, CA 92126
CURRENT RESIDENT	116 W MAPLE ST UNIT 23	GLENDALE, CA 91204
CURRENT RESIDENT	215 PARKBROOK PL	SAN DIEGO, CA 92114
CURRENT RESIDENT	14630 SUGAR CANE WAY	CLEARWATER, FL 33760
CURRENT RESIDENT	6743 LENNOX AVE	VAN NUYS, CA 91405
CURRENT RESIDENT	7004 LONGRIDGE AVE	N HOLLYWOOD, CA 91605
CURRENT RESIDENT	PO BOX 1380	ROGUE RIVER, OR 97537
CURRENT RESIDENT	15801 BUTTERFIELD ST	WESTMINSTER, CA 92683
CURRENT RESIDENT	14002 BORA DR	LA MIRADA, CA 90638
CURRENT RESIDENT	331 W 50TH ST	LOS ANGELES, CA 90037
CURRENT RESIDENT	5831 N STATE ROUTE 741	SPRINGBORO, OH 45066
CURRENT RESIDENT	152 HUNTLEY AVE	AUBURN, CA 95603
CURRENT RESIDENT	11 IOWA	IRVINE, CA 92606
CURRENT RESIDENT	1767 BRISTOL CT	BONITA, CA 91902
CURRENT RESIDENT	1271 ONIONI ST	KAILUA, HI 96734
CURRENT RESIDENT	3666 PUUKU MAUKA DR	HONOLULU, HI 96818
CURRENT RESIDENT	7369 LOWER CREEK CIR # 2473	EASTVALE, CA 92880
CURRENT RESIDENT	3441 ALA HINALO PL	HONOLULU, HI 96818
CURRENT RESIDENT	615410 FREMONT WAY	BUENA PARK, CA 90620
CURRENT RESIDENT	832 MONTEREY RD	GLENDALE, CA 91206
CURRENT RESIDENT	12420 INDIAN RIVER DR	APPLE VALLEY, CA 92308
CURRENT RESIDENT	505 N WESTMORELAND AVE	LOS ANGELES, CA 90004
CURRENT RESIDENT	6956 SHOUP AVE	WEST HILLS, CA 91307
CURRENT RESIDENT	6928 NIUMALU LOOP	HONOLULU, HI 96825
CURRENT RESIDENT	2048 WOLLAM ST	LOS ANGELES, CA 90065
CURRENT RESIDENT	1841 LINWOOD ST	SAN DIEGO, CA 92110
CURRENT RESIDENT	8331 POOLE AVE	SUN VALLEY, CA 91352
CURRENT RESIDENT	6230 WILSHIRE BLVD STE A	LOS ANGELES, CA 90048
CURRENT RESIDENT	937 DUCKETT DR # 4	KALAMAZOO, MI 49001
CURRENT RESIDENT	4580 ZION AVE APT A30	SAN DIEGO, CA 92120
CURRENT RESIDENT	8215 WATER VIEW CT	SPRING VALLEY, CA 91977
CURRENT RESIDENT	7305 BARKER RD	OAK HILLS, CA 92344
CURRENT RESIDENT	PO BOX 42	PENNGROVE, CA 94951
CURRENT RESIDENT	1589 W 36TH ST	LOS ANGELES, CA 90018
CURRENT RESIDENT	36195 JOLTAIRE WAY	WINCHESTER, CA 92596
CURRENT RESIDENT	103 CENTER ST	NEPTUNE, NJ 7753
CURRENT RESIDENT	PO BOX 1877	WEAVERVILLE, CA 96093
CURRENT RESIDENT	3564 ARLINGTON AVE	LOS ANGELES, CA 90018
CURRENT RESIDENT	12606 STRADLEY AVE	MC FARLAND, CA 93250

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	1457 CHERT DR	SAN MARCOS, CA 92078
CURRENT RESIDENT	4927 SHIPWHEEL DR	STOCKTON, CA 95206
CURRENT RESIDENT	313 SOUTHRIDGE WOODS BLVD	MONMOUTH JUNCTION, NJ 8852
CURRENT RESIDENT	10600 BASIE WAY	RANCHO CORDOVA, CA 95670
CURRENT RESIDENT	21311 PALOMINO ST	TEHACHAPI, CA 93561
CURRENT RESIDENT	4237 EUCLID AVE	SAN DIEGO, CA 92115
CURRENT RESIDENT	737 DIVISION ST	OREGON CITY, OR 97045
CURRENT RESIDENT	2873 MOORINGS WAY SE	SOUTHPORT, NC 28461
CURRENT RESIDENT	PO BOX 428	MOSS BEACH, CA 94038
CURRENT RESIDENT	1313 N GRAND AVE # 362	WALNUT, CA 91789
CURRENT RESIDENT	512 GRISWOLD AVE	SAN FERNANDO, CA 91340
CURRENT RESIDENT	4212 SAGEMONT DR	CARROLLTON, TX 75010
CURRENT RESIDENT	2800 INVALE DR	GLENDALE, CA 91208
CURRENT RESIDENT	1910 VALEMONT AVE	ROWLAND HGHTS, CA 91748
CURRENT RESIDENT	6239 MUSTANG SPRING AVE	LAS VEGAS, NV 89139
CURRENT RESIDENT	524 HOTZ ST	SPRING VALLEY, CA 91977
CURRENT RESIDENT	832 ALGONA BLVD N	ALGONA, WA 98001
CURRENT RESIDENT	319 SHOREWOOD CT	COPPELL, TX 75019
CURRENT RESIDENT	13427 MOURNING DOVE LN	SYLMAR, CA 91342
CURRENT RESIDENT	3288 SAN CARVANTE WAY	UNION CITY, CA 94587
CURRENT RESIDENT	11532 PALOMA AVE	GARDEN GROVE, CA 92843
CURRENT RESIDENT	653 HUNTERS TRL	GLENDORA, CA 91740
CURRENT RESIDENT	2205 VIA MARIPOSA E UNIT D	LAGUNA HILLS, CA 92637
CURRENT RESIDENT	404 ROSARITA DR	FULLERTON, CA 92835
CURRENT RESIDENT	19938 CAITLYN BLOSSOM LN	CYPRESS, TX 77433
CURRENT RESIDENT	2875 E 20TH ST	SIGNAL HILL, CA 90755
CURRENT RESIDENT	1183 N ROWAN AVE	LOS ANGELES, CA 90063
CURRENT RESIDENT	1710 S BALDWIN AVE	ARCADIA, CA 91007
CURRENT RESIDENT	471 TURQUOISE DR	HERCULES, CA 94547
CURRENT RESIDENT	633 E YALE ST	ONTARIO, CA 91764
CURRENT RESIDENT	41031 169TH ST E	LANCASTER, CA 93535
CURRENT RESIDENT	1343 S TREMAINE AVE	LOS ANGELES, CA 90019
CURRENT RESIDENT	913 BROOKWOOD PL	OCEANSIDE, CA 92056
CURRENT RESIDENT	4901 WILLOW VALE WAY	ELK GROVE, CA 95758
CURRENT RESIDENT	3113 SAN LEON DR	EL MONTE, CA 91732
CURRENT RESIDENT	813 COUGAR DR	CANYON LAKE, TX 78133
CURRENT RESIDENT	7909 KENELWORTH WAY	SACRAMENTO, CA 95823
CURRENT RESIDENT	715 WILDCREEK CIR	THOUSAND OAKS, CA 91360
CURRENT RESIDENT	4613 W 159TH ST	LAWNDALE, CA 90260
CURRENT RESIDENT	PO BOX 2035	DELANO, CA 93216
CURRENT RESIDENT	10950 CHURCH ST APT 1123	RANCHO CUCAMONGA, CA 91730

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	6621 NOBLE AVE	VAN NUYS, CA 91405
CURRENT RESIDENT	8411 E BROADWAY	SAN GABRIEL, CA 91776
CURRENT RESIDENT	3041 YORKTOWN CT	LAFAYETTE, IN 47909
CURRENT RESIDENT	6318 BELLAIRE AVE	NORTH HOLLYWOOD, CA 91606
CURRENT RESIDENT	2111 CAMINO DEL RIO S	SAN DIEGO, CA 92108
CURRENT RESIDENT	1602 SHADY BROOK DR	FULLERTON, CA 92831
CURRENT RESIDENT	503 S NEW AVE UNIT D	MONTEREY PARK, CA 91755
CURRENT RESIDENT	1380 CRESCENT DR	BRENTWOOD, CA 94513
CURRENT RESIDENT	6105 GOLDSTONE DR	BAKERSFIELD, CA 93313
CURRENT RESIDENT	10709 KELLER DR	CALIF CITY, CA 93505
CURRENT RESIDENT	7500 IRONDALE AVE	WINNETKA, CA 91306
CURRENT RESIDENT	2401 WHITNEY DR	ALHAMBRA, CA 91803
CURRENT RESIDENT	36 LONGVIEW DR	DALY CITY, CA 94015
CURRENT RESIDENT	3043 GREENVIEW DR	CASTRO VALLEY, CA 94546
CURRENT RESIDENT	19375 FORTUNE PL	ROWLAND HEIGHTS, CA 91748
CURRENT RESIDENT	18610 NOTTINGHAM LN	ROWLAND HEIGHTS, CA 91748
CURRENT RESIDENT	262 W 222ND ST	CARSON, CA 90745
CURRENT RESIDENT	1915 JOSEPH DR	MORAGA, CA 94556
CURRENT RESIDENT	PO BOX 215	SOLANA BEACH, CA 92075
CURRENT RESIDENT	1635 RIO VERDE CIR	BAY POINT, CA 94565
CURRENT RESIDENT	7813 RHEA AVE	RESEDA, CA 91335
CURRENT RESIDENT	90 HEARIN PL	SYLVA, NC 28779
CURRENT RESIDENT	781 W 4TH ST	SAN PEDRO, CA 90731
CURRENT RESIDENT	15021 RAGUS ST	LA PUENTE, CA 91744
CURRENT RESIDENT	14122 WHISPERING SANDS DR	VICTORVILLE, CA 92392
CURRENT RESIDENT	1010 OVERLAND TRL	MESQUITE, NV 89034
CURRENT RESIDENT	51 SYLVAN WAY	PORT ANGELES, WA 98362
CURRENT RESIDENT	10004 CAMPORA WAY	STOCKTON, CA 95209
CURRENT RESIDENT	27 SUSSEX ST	SAN FRANCISCO, CA 94131
CURRENT RESIDENT	13616 FREEMONT CT	LA MIRADA, CA 90638
CURRENT RESIDENT	13621 MONROE ST	WESTMINSTER, CA 92683
CURRENT RESIDENT	3950 VIA REAL SPC 272	CARPINTERIA, CA 93013
CURRENT RESIDENT	27250 ENGLEWOOD ST	MORENO VALLEY, CA 92555
CURRENT RESIDENT	16056 MOLINO DR	VICTORVILLE, CA 92395
CURRENT RESIDENT	204 N HARTLEY ST	WEST COVINA, CA 91790
CURRENT RESIDENT	2295 HAWTHORNE TRCE	MONROE, GA 30655
CURRENT RESIDENT	16735 JANINE DR	WHITTIER, CA 90603
CURRENT RESIDENT	100 HOLLAND GLN # 223	ESCONDIDO, CA 92026
CURRENT RESIDENT	200 S LINCOLN AVE	MONTEREY PARK, CA 91755
CURRENT RESIDENT	8410 CHENIN BLANC LN	SAN JOSE, CA 95135
CURRENT RESIDENT	4071 W 133RD ST APT A	HAWTHORNE, CA 90250

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	557 W 108TH ST	LOS ANGELES, CA 90044
CURRENT RESIDENT	4681 PRAIRIE LN	GRAND PRAIRIE, TX 75052
CURRENT RESIDENT	17915 194TH AVE NE	WOODINVILLE, WA 98077
CURRENT RESIDENT	19051 RIDGEVIEW RD	VILLA PARK, CA 92861
CURRENT RESIDENT	5271 FOUNTAIN AVE	LOS ANGELES, CA 90029
CURRENT RESIDENT	5185 ROYCROFT WAY	FREMONT, CA 94538
CURRENT RESIDENT	101 QUAIL RIDGE CT	ARROYO GRANDE, CA 93420
CURRENT RESIDENT	1431 ORANGE GROVE ST	UPLAND, CA 91786
CURRENT RESIDENT	11000 NE 26TH ST	VANCOUVER, WA 98684
CURRENT RESIDENT	10304 BEVERLY ST	BELLFLOWER, CA 90706
CURRENT RESIDENT	9191 BOLSA AVE STE 112	WESTMINSTER, CA 92683
CURRENT RESIDENT	19619 CAMPAIGN DR	CARSON, CA 90746
CURRENT RESIDENT	10132 FOREST SPRINGS DR	GRASS VALLEY, CA 95949
CURRENT RESIDENT	6570 N 39TH ST	AUGUSTA, MI 49012
CURRENT RESIDENT	HC 82 BOX 1497	DUCK CREEK VILLAGE, UT 84762
CURRENT RESIDENT	2924 SIERRA CREST WAY	HACIENDA HTS, CA 91745
CURRENT RESIDENT	25463 CHIPMAN HILL CT	MORENO VALLEY, CA 92553
CURRENT RESIDENT	5455 S FORT APACHE RD STE 108	LAS VEGAS, NV 89148
CURRENT RESIDENT	18000 CASCADE DR	NORTHVILLE, MI 48168
CURRENT RESIDENT	PO BOX 5084	CORNING, CA 96021
CURRENT RESIDENT	PO BOX 741	LA HABRA, CA 90633
CURRENT RESIDENT	7635 N SAN FERNANDO RD # A	BURBANK, CA 91505
CURRENT RESIDENT	1005 S GRAND AVE APT 304	SAN PEDRO, CA 90731
CURRENT RESIDENT	4601 W MARTIN LUTHER KING JR BLVD APT 178	LOS ANGELES, CA 90016
CURRENT RESIDENT	715 S NORMANDIE AVE APT 427	LOS ANGELES, CA 90005
CURRENT RESIDENT	9771 CARLTON HILLS BLVD	SANTEE, CA 92071
CURRENT RESIDENT	7833 AGNES AVE	NORTH HOLLYWOOD, CA 91605
CURRENT RESIDENT	4515 DON RICARDO DR APT 6	LOS ANGELES, CA 90008
CURRENT RESIDENT	1105 S FLINTRIDGE DR	SANTA ANA, CA 92704
CURRENT RESIDENT	1116 S VAN NESS AVE APT 1	SAN FRANCISCO, CA 94110
CURRENT RESIDENT	6657 FLAGSTONE PL	RANCHO CUCAMONGA, CA 91739
CURRENT RESIDENT	8777 TULARE DR UNIT 410D	HUNTINGTON BEACH, CA 92646
CURRENT RESIDENT	8506 AMESTOY AVE	SHERWOOD FOREST, CA 91325
CURRENT RESIDENT	4208 21ST PL	HILLCREST HTS, MD 20748
CURRENT RESIDENT	1550 N FRESNO ST	FRESNO, CA 93703
CURRENT RESIDENT	13425 MELODY RD	CHINO HILLS, CA 91709
CURRENT RESIDENT	1348 BURBANK ST	ALAMEDA, CA 94501
CURRENT RESIDENT	104 S ABERDEEN AVE	WAYNE, PA 19087
CURRENT RESIDENT	7960 WINDMILL WAY	DELAVAN, WI 53115
CURRENT RESIDENT	21014 BOLSA ST	CARSON, CA 90745
CURRENT RESIDENT	1349 ELM AVE APT D	SAN GABRIEL, CA 91775

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	13312 RANCHERO RD STE 18	OAK HILLS, CA 92344
CURRENT RESIDENT	5950 IMPERIAL HWY APT 59	SOUTH GATE, CA 90280
CURRENT RESIDENT	1009 W BISHOP ST APT 11	SANTA ANA, CA 92703
CURRENT RESIDENT	13390 W DOMINO DR	PEORIA, AZ 85383
CURRENT RESIDENT	16439 ALORA AVE	NORWALK, CA 90650
CURRENT RESIDENT	5047 JUNEBERRY CT	SAN DIEGO, CA 92123
CURRENT RESIDENT	15175 MARQUETTE ST UNIT A	MOORPARK, CA 93021
CURRENT RESIDENT	4720 OAK ST	PICO RIVERA, CA 90660
CURRENT RESIDENT	4108 N YALETON AVE	COVINA, CA 91722
CURRENT RESIDENT	916 VALE VIEW DR	VISTA, CA 92081
CURRENT RESIDENT	7289 PADOVA DR	GOLETA, CA 93117
CURRENT RESIDENT	1511 NELSON PL	OXNARD, CA 93033
CURRENT RESIDENT	12073 RUTHERFORD ST	DETROIT, MI 48227
CURRENT RESIDENT	2330 S CLOVERDALE AVE	LOS ANGELES, CA 90016
CURRENT RESIDENT	2672 BLAIRGOWRIE DR	HENDERSON, NV 89044
CURRENT RESIDENT	4421 W 58TH PL	WINDSOR HILLS, CA 90043
CURRENT RESIDENT	7100 LOCH LOMOND DR # DRIVE3	BETHESDA, MD 20817
CURRENT RESIDENT	712 CALLE CONTENTA	SAN CLEMENTE, CA 92673
CURRENT RESIDENT	5253 N CERRITOS AVE	AZUSA, CA 91702
CURRENT RESIDENT	261 BARRANDA DR	MONTEREY PARK, CA 91754
CURRENT RESIDENT	565 LOS CASTANOS DR	MORGAN HILL, CA 95037
CURRENT RESIDENT	18500 ARLINE AVE APT A	ARTESIA, CA 90701
CURRENT RESIDENT	1039 E SANTA CLARA ST	VENTURA, CA 93001
CURRENT RESIDENT	325 W 235TH ST	CARSON, CA 90745
CURRENT RESIDENT	6335 CASCADE CLIFFS CT	LAS VEGAS, NV 89139
CURRENT RESIDENT	1045 CABANA AVE	LA PUENTE, CA 91744
CURRENT RESIDENT	1703 MCEVOY LN	SANTA ANA, CA 92706
CURRENT RESIDENT	9 CAMPBELL ST	GLEN COVE, NY 11542
CURRENT RESIDENT	1424 BRETT PL UNIT 256	SAN PEDRO, CA 90732
CURRENT RESIDENT	6006 FENNELL AVE	SAN DIEGO, CA 92114
CURRENT RESIDENT	2009 E 105TH ST	LOS ANGELES, CA 90002
CURRENT RESIDENT	4505 TITAN AVE	LOMPOC, CA 93436
CURRENT RESIDENT	1793 HILHAM HWY	LIVINGSTON, TN 38570
CURRENT RESIDENT	340 W 25TH ST	SAN BERNARDINO, CA 92405
CURRENT RESIDENT	740 19TH ST	SANTA MONICA, CA 90402
CURRENT RESIDENT	28641 JAEGER DR	LAGUNA NIGUEL, CA 92677
CURRENT RESIDENT	21500 CHATSWORTH ST	CHATSWORTH, CA 91311
CURRENT RESIDENT	8529 BRADWELL AVE	WHITTIER, CA 90606
CURRENT RESIDENT	2511 EASY AVE	LONG BEACH, CA 90810
CURRENT RESIDENT	6750 DORIANA ST APT 129	SAN DIEGO, CA 92139
CURRENT RESIDENT	5502 TRINETTE AVE	GARDEN GROVE, CA 92845

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	584 ALEXIS CIR	DALY CITY, CA 94014
CURRENT RESIDENT	11815 GILMORE ST APT 115	NORTH HOLLYWOOD, CA 91606
CURRENT RESIDENT	203 ORO DR	ARROYO GRANDE, CA 93420
CURRENT RESIDENT	7 PARTRIDGE HILL RD	ANDOVER, MA 1810
CURRENT RESIDENT	1606 E WALNUT ST	PASADENA, CA 91106
CURRENT RESIDENT	24197 SHADY RIDGE CIR	MORENO VALLEY, CA 92557
CURRENT RESIDENT	PO BOX 56454	SHERMAN OAKS, CA 91413
CURRENT RESIDENT	750 ELGIN ST APT 1	SAN LORENZO, CA 94580
CURRENT RESIDENT	11611 W AIRPORT BLVD # H242	MEADOWS PLACE, TX 77477
CURRENT RESIDENT	1075 N 9TH ST	COLTON, CA 92324
CURRENT RESIDENT	2209 SERRANO PL	FULLERTON, CA 92833
CURRENT RESIDENT	2550 S ELLSWORTH RD	MESA, AZ 85209
CURRENT RESIDENT	6910 FORUM ST	SAN DIEGO, CA 92111
CURRENT RESIDENT	3005 WATKINS RD	HORSEHEADS, NY 14845
CURRENT RESIDENT	22341 HOMESTEAD RD	CLOVIS, CA 93619
CURRENT RESIDENT	8772 ASPEN AVE	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	25921 NE 42ND PL	REDMOND, WA 98053
CURRENT RESIDENT	4600 JUSTIN WAY	OXNARD, CA 93033
CURRENT RESIDENT	1935 KUAPAPA PL	HONOLULU, HI 96819
CURRENT RESIDENT	1760 GARDENA AVE UNIT 402	GLENDALE, CA 91204
CURRENT RESIDENT	2414 E WALNUT CREEK PKWY	WEST COVINA, CA 91791
CURRENT RESIDENT	1155 ROYAL AVE	SIMI VALLEY, CA 93065
CURRENT RESIDENT	18323 SAINT ANDREWS PL	TORRANCE, CA 90504
CURRENT RESIDENT	3839 PRINCETON OAKS NW	KENNESAW, GA 30144
CURRENT RESIDENT	8258 CLYBOURN AVE	SUN VALLEY, CA 91352
CURRENT RESIDENT	2143 AMELIA AVE	SAN PEDRO, CA 90731
CURRENT RESIDENT	3935 N ELSTON AVE APT 2C	CHICAGO, IL 60618
CURRENT RESIDENT	551 CYPRESS AVE	PASADENA, CA 91103
CURRENT RESIDENT	239 HACIENDA CARMEL	CARMEL, CA 93923
CURRENT RESIDENT	1137 MAGNOLIA CT	TEHACHAPI, CA 93561
CURRENT RESIDENT	52520 CENTER DR	LA PINE, OR 97739
CURRENT RESIDENT	1551 PEPPERMINT DR	PERRIS, CA 92571
CURRENT RESIDENT	8306 WILSHIRE BLVD	BEVERLY HILLS, CA 90211
CURRENT RESIDENT	40 RILLA LN	SEQUIM, WA 98382
CURRENT RESIDENT	13637 BEACH ST	CERRITOS, CA 90703
CURRENT RESIDENT	39113 163RD ST E	PALMDALE, CA 93591
CURRENT RESIDENT	PO BOX 196	DEER HARBOR, WA 98243
CURRENT RESIDENT	9580 W RENO AVE	LAS VEGAS, NV 89148
CURRENT RESIDENT	2511 N BUENA VISTA ST	BURBANK, CA 91504
CURRENT RESIDENT	7432 LEMORAN AVE	PICO RIVERA, CA 90660
CURRENT RESIDENT	509 SCOTT ST	RIDGECREST, CA 93555

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	PO BOX 922222	SYLMAR, CA 91392
CURRENT RESIDENT	4372 NAGLE WAY	FREMONT, CA 94536
CURRENT RESIDENT	5620 SANTOVITO ST	PAHRUMP, NV 89061
CURRENT RESIDENT	7232 ELLEN LN	FORESTVILLE, CA 95436
CURRENT RESIDENT	2530 16TH AVE	SAN FRANCISCO, CA 94116
CURRENT RESIDENT	2886 CULLODEN AVE	HENDERSON, NV 89044
CURRENT RESIDENT	5148 SIMONI DR	RICHMOND, CA 94803
CURRENT RESIDENT	1297 SEA LILY CT	SAN DIEGO, CA 92154
CURRENT RESIDENT	1308 S NEW HAMPSHIRE AVE APT 409	LOS ANGELES, CA 90006
CURRENT RESIDENT	1384 BRIXTON RD	PASADENA, CA 91105
CURRENT RESIDENT	9025 ADOREE ST	DOWNEY, CA 90242
CURRENT RESIDENT	3328 WYOMING CIR	COSTA MESA, CA 92626
CURRENT RESIDENT	5627 N 52ND AVE	GLENDALE, AZ 85301
CURRENT RESIDENT	4603 BALFOUR RD TRLR 27	BRENTWOOD, CA 94513
CURRENT RESIDENT	2805 LA PLATA AVE	HACIENDA HTS, CA 91745
CURRENT RESIDENT	256 E VILLA ST	PASADENA, CA 91101
CURRENT RESIDENT	14299 SAN BENITO ST	FONTANA, CA 92336
CURRENT RESIDENT	5749 CRESCENT AVE	BUENA PARK, CA 90620
CURRENT RESIDENT	268 N ASPEN AVE	RIALTO, CA 92376
CURRENT RESIDENT	3400 CASTLEFORD PL	ROWLAND HEIGHTS, CA 91748
CURRENT RESIDENT	6642 HOUGH ST	LOS ANGELES, CA 90042
CURRENT RESIDENT	6508 RITA AVE APT 410	HUNTINGTON PARK, CA 90255
CURRENT RESIDENT	304 VIRGINIA AVE	SANTA ANA, CA 92706
CURRENT RESIDENT	6014 2ND AVE	LOS ANGELES, CA 90043
CURRENT RESIDENT	5331 SUNLIGHT PL	LOS ANGELES, CA 90016
CURRENT RESIDENT	2551 GRIFFIN WAY	CORONA, CA 92879
CURRENT RESIDENT	8375 MULBERRY AVE	BUENA PARK, CA 90620
CURRENT RESIDENT	655 NE BURNETT RD UNIT 54	MCMINNVILLE, OR 97128
CURRENT RESIDENT	629 N PASADENA AVE	GLENDORA, CA 91741
CURRENT RESIDENT	11071 BARNWALL ST	NORWALK, CA 90650
CURRENT RESIDENT	2582 DOROTHY AVE	SAINT PAUL, MN 55110
CURRENT RESIDENT	7311 ESTRID TRL	SAN ANTONIO, TX 78244
CURRENT RESIDENT	1913 E 17TH ST STE 214	SANTA ANA, CA 92705
CURRENT RESIDENT	11306 WAPLES MILL RD	OAKTON, VA 22124
CURRENT RESIDENT	27954 EDGECLIFF WAY	HAYWARD, CA 94542
CURRENT RESIDENT	19018 SHERMAN WAY UNIT 110	RESEDA, CA 91335
CURRENT RESIDENT	62 LAUREL LN	WASHOUGAL, WA 98671
CURRENT RESIDENT	6018 GIANT FOREST LN	NORTH LAS VEGAS, NV 89031
CURRENT RESIDENT	73 ALOHA CT	PETALUMA, CA 94952
CURRENT RESIDENT	5143 BAKMAN AVE APT 216	NORTH HOLLYWOOD, CA 91601
CURRENT RESIDENT	4119 IRIS CIR	LA VERNE, CA 91750

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	7902 CENTER PKWY	SACRAMENTO, CA 95823
CURRENT RESIDENT	3703 HOMELAND DR	VIEW PARK, CA 90008
CURRENT RESIDENT	124 BLOOMFIELD RD	SEBASTOPOL, CA 95472
CURRENT RESIDENT	1625 N 6TH PL	PORT HUENEME, CA 93041
CURRENT RESIDENT	PO BOX 4703	AUBURN, CA 95604
CURRENT RESIDENT	1605 SUTTON PL	FORT WALTON BEACH, FL 32547
CURRENT RESIDENT	4095 WHITTIER BLVD	LOS ANGELES, CA 90023
CURRENT RESIDENT	3000 BROADWAY ST APT 92	AMERICAN CANYON, CA 94503
CURRENT RESIDENT	PO BOX 881512	LOS ANGELES, CA 90009
CURRENT RESIDENT	886 BARNESVILLE DR	BARNESVILLE, PA 18214
CURRENT RESIDENT	565 DEL PAN ST SAN NICOLAS MANILA PHILIPPIN 01010	
CURRENT RESIDENT	510 CARRINGTON LN APT 308	LOVELAND, OH 45140
CURRENT RESIDENT	1025 RIEDEL AVE	FULLERTON, CA 92831
CURRENT RESIDENT	2334 S 2ND AVE	ARCADIA, CA 91006
CURRENT RESIDENT	40220 VIA TONADA	MURRIETA, CA 92562
CURRENT RESIDENT	3954 SPYGLASS CT	STOCKTON, CA 95219
CURRENT RESIDENT	16115 NE 172ND ST	WOODINVILLE, WA 98072
CURRENT RESIDENT	16807 N LANDIS LN	GLENDALE, AZ 85306
CURRENT RESIDENT	16552 MOUNT MICHAELIS CIR	FOUNTAIN VLY, CA 92708
CURRENT RESIDENT	4069 BRESEE AVE	BALDWIN PARK, CA 91706
CURRENT RESIDENT	16504 LE GRANDE LN	HUNTINGTON BEACH, CA 92649
CURRENT RESIDENT	1029 ZINFANDEL DR # 9	GONZALES, CA 93926
CURRENT RESIDENT	26523 CARDINAL DR	SANTA CLARITA, CA 91387
CURRENT RESIDENT	19339 LEMAY ST	RESEDA, CA 91335
CURRENT RESIDENT	1767 16TH AVE	SAN FRANCISCO, CA 94122
CURRENT RESIDENT	2828 COCHRAN ST # 392	SIMI VALLEY, CA 93065
CURRENT RESIDENT	PO BOX 2666	CALIFORNIA CITY, CA 93504
CURRENT RESIDENT	543 RIVERSIDE DR	FLORENCE, MA 1062
CURRENT RESIDENT	5425 W BECK LN	GLENDALE, AZ 85306
CURRENT RESIDENT	1473 DRAGON ROCK DR	HENDERSON, NV 89052
CURRENT RESIDENT	7165 E UNIVERSITY DR STE 171	MESA, AZ 85207
CURRENT RESIDENT	3141 NE 148TH AVE APT 122	PORTLAND, OR 97230
CURRENT RESIDENT	616 19TH ST	HUNTINGTN BCH, CA 92648
CURRENT RESIDENT	9075 PALM LN	FONTANA, CA 92335
CURRENT RESIDENT	1066 RUGE DR	SAN JOSE, CA 95132
CURRENT RESIDENT	22967 CHAMBRAY DR	MORENO VALLEY, CA 92557
CURRENT RESIDENT	141 N 16TH ST	BLOOMFIELD, NJ 7003
CURRENT RESIDENT	5910 OAKRIDGE CT	YOUNGSTOWN, FL 32466
CURRENT RESIDENT	5949 N VISTA ST	SAN GABRIEL, CA 91775
CURRENT RESIDENT	9638 ADOREE ST	DOWNEY, CA 90242
CURRENT RESIDENT	1522 MARINERO PL	OXNARD, CA 93030

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	14876 ROUNDWOOD DR	EASTVALE, CA 92880
CURRENT RESIDENT	4678 BROWNDEER LN	PALOS VERDES PENINSULA, CA 902
CURRENT RESIDENT	5 SANTA ROSA CT	MANHATTAN BCH, CA 90266
CURRENT RESIDENT	1627 S HAYWORTH AVE	LOS ANGELES, CA 90035
CURRENT RESIDENT	3207 HIBISCUS DR W	BELLEAIR BCH, FL 33786
CURRENT RESIDENT	738 IVY ST	GLENDORA, CA 91740
CURRENT RESIDENT	13529 VALNA DR	WHITTIER, CA 90602
CURRENT RESIDENT	80 HUMBOLDT ST	SIMI VALLEY, CA 93065
CURRENT RESIDENT	8536 KERN CANYON RD SPC 177	BAKERSFIELD, CA 93306
CURRENT RESIDENT	536 SHERIDAN RD	WILMETTE, IL 60091
CURRENT RESIDENT	36910 GHOST TOWN RD # 321	YERMO, CA 92398
CURRENT RESIDENT	8820 LILIENTHAL AVE	WESTCHESTER, CA 90045
CURRENT RESIDENT	1200 COUNTY ROAD 213	NACOGDOCHES, TX 75965
CURRENT RESIDENT	6425 CRYSTALAIRE DR	SAN DIEGO, CA 92120
CURRENT RESIDENT	7733 LAUREL CANYON BLVD APT 8	NORTH HOLLYWOOD, CA 91605
CURRENT RESIDENT	28381 VELA WAY	VALENCIA, CA 91354
CURRENT RESIDENT	17260 HALSEY ST	GRANADA HILLS, CA 91344
CURRENT RESIDENT	106 W WARREN ST	ISELIN, NJ 8830
CURRENT RESIDENT	954 WESTLYNN WAY APT 1	CUPERTINO, CA 95014
CURRENT RESIDENT	880 SAN CARLO AVE	SAN BERNARDINO, CA 92410
CURRENT RESIDENT	PO BOX 658	GARYVILLE, LA 70051
CURRENT RESIDENT	8545 SE 78TH ST	MERCER ISLAND, WA 98040
CURRENT RESIDENT	4757 ALLIED RD	SAN DIEGO, CA 92120
CURRENT RESIDENT	1683 TUCSON CIR	SUISUN CITY, CA 94585
CURRENT RESIDENT	2301 LOUISE AVE	ARCADIA, CA 91006
CURRENT RESIDENT	4944 SOUTHRIDGE AVE	VIEW PARK, CA 90043
CURRENT RESIDENT	619 SUNRISE ST	PLACENTIA, CA 92870
CURRENT RESIDENT	1037 EUCALYPTUS LN	PASADENA, CA 91103
CURRENT RESIDENT	10655 HUFF RD	BELLEVUE, MI 49021
CURRENT RESIDENT	10681 AUBURN SPRINGS AVE	LAS VEGAS, NV 89166
CURRENT RESIDENT	16 HIGHLAND AVE	JERSEY CITY, NJ 7306
CURRENT RESIDENT	13827 SW 248TH ST	VASHON, WA 98070
CURRENT RESIDENT	578 CEDAR AVE	SAN BRUNO, CA 94066
CURRENT RESIDENT	1007 N MARIPOSA AVE APT 4	LOS ANGELES, CA 90029
CURRENT RESIDENT	PO BOX 1334	TEHACHAPI, CA 93581
CURRENT RESIDENT	26152 N MOONEY BLVD	TULARE, CA 93274
CURRENT RESIDENT	930 W 50TH ST	LOS ANGELES, CA 90037
CURRENT RESIDENT	8302 RATHBURN AVE	NORTHRIDGE, CA 91325
CURRENT RESIDENT	245 GREENWAY DR	KINGMAN, AZ 86401
CURRENT RESIDENT	1267 LEEDS LN	ELK GROVE VLG, IL 60007
CURRENT RESIDENT	3715 EDGEHILL DR	LOS ANGELES, CA 90018

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	3320 S FORT APACHE RD UNIT 237	LAS VEGAS, NV 89117
CURRENT RESIDENT	1067 LAGUNA AVE	LOS ANGELES, CA 90026
CURRENT RESIDENT	302 W LORAINE ST UNIT 5	GLENDALE, CA 91202
CURRENT RESIDENT	15636 MARILLA ST	NORTH HILLS, CA 91343
CURRENT RESIDENT	PO BOX 35	TWIN PEAKS, CA 92391
CURRENT RESIDENT	986 B J JACKSON RD	ROCK HILL, SC 29732
CURRENT RESIDENT	11216 GARFIELD AVE	CULVER CITY, CA 90230
CURRENT RESIDENT	11321 TOKAY CIR	FONTANA, CA 92337
CURRENT RESIDENT	302 OLIVE AVE	NOVATO, CA 94945
CURRENT RESIDENT	2749 28TH ST	SAN DIEGO, CA 92104
CURRENT RESIDENT	1199 PARK AVE	NEW YORK, NY 10128
CURRENT RESIDENT	115 W CYPRESS ST APT 8	GLENDALE, CA 91204
CURRENT RESIDENT	15251 LEFFINGWELL RD APT 4	WHITTIER, CA 90604
CURRENT RESIDENT	1341 S SANDY HOOK ST	WEST COVINA, CA 91790
CURRENT RESIDENT	6845 ETHEL AVE	NORTH HOLLYWOOD, CA 91605
CURRENT RESIDENT	4430 BRITTANY DR	REDDING, CA 96002
CURRENT RESIDENT	2990 ALGONQUIN CT	CAMARILLO, CA 93010
CURRENT RESIDENT	CALLE A MANZANA IV NUM COLONIA EDUCACION 04400	
CURRENT RESIDENT	1149 RIVER ROCK DR	KENNEDALE, TX 76060
CURRENT RESIDENT	874 FULTON AVE	SAN LEANDRO, CA 94577
CURRENT RESIDENT	13607 DAVENTRY ST	PACOIMA, CA 91331
CURRENT RESIDENT	6 GERE PL	FANWOOD, NJ 7023
CURRENT RESIDENT	4605 LANKERSHIM BLVD STE 600	N HOLLYWOOD, CA 91602
CURRENT RESIDENT	13214 FIJI WAY	MARINA DEL REY, CA 90292
CURRENT RESIDENT	645 LA VIDA AVE	PORTERVILLE, CA 93257
CURRENT RESIDENT	11129 CAMARENA AVE	MONTCLAIR, CA 91763
CURRENT RESIDENT	3440 ALEXANDER AVE	ANCHORAGE, AK 99508
CURRENT RESIDENT	1733 DALE RD	GLENDORA, CA 91740
CURRENT RESIDENT	12000 CLOVER AVE	LOS ANGELES, CA 90066
CURRENT RESIDENT	2700 4TH AVE APT 207	SEATTLE, WA 98121
CURRENT RESIDENT	9809 SEPULVEDA BLVD UNIT 12	NORTH HILLS, CA 91343
CURRENT RESIDENT	1218 LONGPORT WAY	CORONA, CA 92881
CURRENT RESIDENT	PO BOX 2244	CALIFORNIA CITY, CA 93504
CURRENT RESIDENT	8105 IMPERIAL HWY APT 2	DOWNEY, CA 90242
CURRENT RESIDENT	8502 STEWART AND GRAY RD	DOWNEY, CA 90241
CURRENT RESIDENT	300 N RAMPART ST TRLR 159	ORANGE, CA 92868
CURRENT RESIDENT	6760 FAIRCHILD ST	FONTANA, CA 92336
CURRENT RESIDENT	22060 MEYLER ST	TORRANCE, CA 90502
CURRENT RESIDENT	2516 E JEFFERSON ST	CARSON, CA 90810
CURRENT RESIDENT	47 E J ST	CHULA VISTA, CA 91910
CURRENT RESIDENT	1240 OHIO ST	REDLANDS, CA 92374

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	COL. JARDINES DE SAN MAT NAUCALPAN EDO OF 53240	
CURRENT RESIDENT	11288 BYWAYS ST	S EL MONTE, CA 91733
CURRENT RESIDENT	12612 ELVA AVE	LOS ANGELES, CA 90059
CURRENT RESIDENT	10740 MADGE AVE	SOUTH GATE, CA 90280
CURRENT RESIDENT	891 PLAZA CUERNAVACA WAY	SAN DIEGO, CA 92114
CURRENT RESIDENT	PO BOX 50354	IRVINE, CA 92619
CURRENT RESIDENT	1913 MONROVIA AVE	COSTA MESA, CA 92627
CURRENT RESIDENT	3422 HELMS AVE APT 3	CULVER CITY, CA 90232
CURRENT RESIDENT	4650 IROQUOIS AVE	SAN DIEGO, CA 92117
CURRENT RESIDENT	PO BOX 530823	SAN DIEGO, CA 92153
CURRENT RESIDENT	8601 SUNLAND BLVD UNIT 3	SUN VALLEY, CA 91352
CURRENT RESIDENT	5152 TOWNSEND AVE	LOS ANGELES, CA 90041
CURRENT RESIDENT	1407 E 96TH ST	BLOOMINGTON, MN 55425
CURRENT RESIDENT	5381 OLD SPRINGVILLE RD	PINSON, AL 35126
CURRENT RESIDENT	3146 FLOWER ST	LYNWOOD, CA 90262
CURRENT RESIDENT	815 CANNON AVE	SHOREVIEW, MN 55126
CURRENT RESIDENT	1521 COMET CT	BEAUMONT, CA 92223
CURRENT RESIDENT	96 RINCON	TUSTIN, CA 92780
CURRENT RESIDENT	PO BOX 543	ATASCOSA, TX 78002
CURRENT RESIDENT	11270 MAPLEDALE ST	NORWALK, CA 90650
CURRENT RESIDENT	9461 LUDERS AVE	GARDEN GROVE, CA 92844
CURRENT RESIDENT	162 DON ELI LN	WENATCHEE, WA 98801
CURRENT RESIDENT	853 WINDWOOD DR	WALNUT, CA 91789
CURRENT RESIDENT	222 E CENTURY BLVD	LOS ANGELES, CA 90003
CURRENT RESIDENT	1428 NW RIMROCK DR	REDMOND, OR 97756
CURRENT RESIDENT	656 N SUMMIT AVE APT 1	PASADENA, CA 91103
CURRENT RESIDENT	678 W HOUSTON AVE	FULLERTON, CA 92832
CURRENT RESIDENT	9809 OLIVE ST	TEMPLE CITY, CA 91780
CURRENT RESIDENT	561 E TELEGRAPH RD	FILLMORE, CA 93015
CURRENT RESIDENT	PO BOX 52118	RIVERSIDE, CA 92517
CURRENT RESIDENT	601 LEE CIR	CHULA VISTA, CA 91911
CURRENT RESIDENT	1226 AZALEA ST	OXNARD, CA 93036
CURRENT RESIDENT	3868 SW 9TH CT	GRESHAM, OR 97030
CURRENT RESIDENT	205 W CLARION DR	CARSON, CA 90745
CURRENT RESIDENT	418 N PRATT AVE # C	CARSON CITY, NV 89701
CURRENT RESIDENT	7 EDGEWOOD DR	ORANGEBURG, NY 10962
CURRENT RESIDENT	PO BOX 2007	MONTCLAIR, CA 91763
CURRENT RESIDENT	16354 BROOKSTONE CIR	LA MIRADA, CA 90638
CURRENT RESIDENT	2915 MONTROSE AVE APT 226	LA CRESCENTA, CA 91214
CURRENT RESIDENT	7422 PACIFIC BLVD	HUNTINGTON PARK, CA 90255
CURRENT RESIDENT	328 MAPLE AVE	GREENFIELD, CA 93927

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	115 CARMINE	IRVINE, CA 92618
CURRENT RESIDENT	12453 DENHOIM DRIVE	EL MONTE, CA 91732
CURRENT RESIDENT	1271 TEJON AVE	COLTON, CA 92324
CURRENT RESIDENT	7302 PENARA PL	SAN DIEGO, CA 92126
CURRENT RESIDENT	1166 BRENTWOOD DR	MARYVILLE, MO 64468
CURRENT RESIDENT	18270 LANACA ST	LA PUENTE, CA 91744
CURRENT RESIDENT	9134 HAZELTINE AVE	PANORAMA CITY, CA 91402
CURRENT RESIDENT	14138 LEADWELL ST	VAN NUYS, CA 91405
CURRENT RESIDENT	25402 LONGFELLOW PL	STEVENSON RANCH, CA 91381
CURRENT RESIDENT	1210 W 37TH ST APT 3	LOS ANGELES, CA 90007
CURRENT RESIDENT	N2960 RIP VAN WINKLE LN	APPLETON, WI 54913
CURRENT RESIDENT	31849 COTTON THORN CT	MURRIETA, CA 92563
CURRENT RESIDENT	1941 DOLORES DR	MADISON, WI 53716
CURRENT RESIDENT	1772 JADE RD	SPRINGDALE, AR 72764
CURRENT RESIDENT	8821 HICKORY DR	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	7865 CAMINO CIELO ST	HIGHLAND, CA 92346
CURRENT RESIDENT	13465 CAMINO CANADA STE 106	EL CAJON, CA 92021
CURRENT RESIDENT	310 S LOBBAN AVE	BUFFALO, WY 82834
CURRENT RESIDENT	132 MOUNTAIRE PKWY	CLAYTON, CA 94517
CURRENT RESIDENT	20203 91ST PL S	KENT, WA 98031
CURRENT RESIDENT	PO BOX 18528	IRVINE, CA 92623
CURRENT RESIDENT	10011 BEACHY AVE	ARLETA, CA 91331
CURRENT RESIDENT	2210 RIVERWOOD TRAILS DR	FLORISSANT, MO 63031
CURRENT RESIDENT	185 ORCHARD CIR	LONG LAKE, MN 55356
CURRENT RESIDENT	622 EDNA WAY	SAN MATEO, CA 94402
CURRENT RESIDENT	15140 VOSE ST	VAN NUYS, CA 91405
CURRENT RESIDENT	11421 PARK LN	GARDEN GROVE, CA 92840
CURRENT RESIDENT	1881 N OAKDALE AVE	RIALTO, CA 92376
CURRENT RESIDENT	4134 PERLITA AVE	LOS ANGELES, CA 90039
CURRENT RESIDENT	4533 HORSESHOE CIR	ANTIOCH, CA 94531
CURRENT RESIDENT	6393 ANGUILLA AVE	CYPRESS, CA 90630
CURRENT RESIDENT	3810 MAGNOLIA AVE	LONG BEACH, CA 90806
CURRENT RESIDENT	12419 CEDARCREEK LN	CERRITOS, CA 90703
CURRENT RESIDENT	300 E PROVIDENCIA AVE APT 205	BURBANK, CA 91502
CURRENT RESIDENT	6838 S 24TH PL	PHOENIX, AZ 85042
CURRENT RESIDENT	3513 LEANNE DR	FLOWER MOUND, TX 75022
CURRENT RESIDENT	1631 E 52ND ST	LONG BEACH, CA 90805
CURRENT RESIDENT	1345 PARKHURST ST	SIMI VALLEY, CA 93065
CURRENT RESIDENT	4268 SUNRISE FLATS ST	LAS VEGAS, NV 89135
CURRENT RESIDENT	8061 GARDEN GROVE AVE	RESEDA, CA 91335
CURRENT RESIDENT	11390 MCGIRK AVE	EL MONTE, CA 91732

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	835 W ALOE PL	CHANDLER, AZ 85248
CURRENT RESIDENT	119 W 86TH PL	LOS ANGELES, CA 90003
CURRENT RESIDENT	14937 REEDLEY ST	MOORPARK, CA 93021
CURRENT RESIDENT	8260 ALLENDALE CT	NAPLES, FL 34120
CURRENT RESIDENT	24489 SUNSHINE DR	LAGUNA NIGUEL, CA 92677
CURRENT RESIDENT	13502 POWERS RD	POWAY, CA 92064
CURRENT RESIDENT	3335 MARY ST	LA CRESCENTA, CA 91214
CURRENT RESIDENT	1724 EDENBURG WAY	EVANS, GA 30809
CURRENT RESIDENT	21306 LEGEND AVE	CARSON, CA 90745
CURRENT RESIDENT	8815 YAKIMA AVE	TACOMA, WA 98444
CURRENT RESIDENT	6272 SUSANA ST	CHINO, CA 91710
CURRENT RESIDENT	1704 APPIAN WAY	MONTEBELLO, CA 90640
CURRENT RESIDENT	97 W JANSS RD	THOUSAND OAKS, CA 91360
CURRENT RESIDENT	2668 ABERDEEN LN	EL DORADO HILLS, CA 95762
CURRENT RESIDENT	11856 CHEFTERTON ST	NORWALK, CA 90650
CURRENT RESIDENT	521 S G ST	LOMPOC, CA 93436
CURRENT RESIDENT	47 RAINTREE CT APT 5	HAYWARD, CA 94544
CURRENT RESIDENT	19 CARRIAGE LN	SANTA ANA, CA 92705
CURRENT RESIDENT	808 SPEED ST	SANTA MARIA, CA 93454
CURRENT RESIDENT	3450 OLYMPIAD DR	VIEW PARK, CA 90043
CURRENT RESIDENT	1730 S CABANA AVE	WEST COVINA, CA 91790
CURRENT RESIDENT	21721 S WESTERN AVE	TORRANCE, CA 90501
CURRENT RESIDENT	2329 BLUE RIDGE AVE	BRENTWOOD, CA 94513
CURRENT RESIDENT	PO BOX 51324	SAN JOSE, CA 95151
CURRENT RESIDENT	13907 OXNARD ST APT 14	VAN NUYS, CA 91401
CURRENT RESIDENT	10161 MOUNT GLEASON AVE	SUNLAND, CA 91040
CURRENT RESIDENT	2467 63RD AVE	OAKLAND, CA 94605
CURRENT RESIDENT	10201 WISH AVE	NORTHRIDGE, CA 91325
CURRENT RESIDENT	1605 W CUTTER RD	ANAHEIM, CA 92801
CURRENT RESIDENT	2638 KINGHORN PL	HENDERSON, NV 89044
CURRENT RESIDENT	236 S 8TH AVE STE K	LA PUENTE, CA 91746
CURRENT RESIDENT	2417 DENEVI DR	SAN JOSE, CA 95130
CURRENT RESIDENT	17601 SATICOY ST	NORTHRIDGE, CA 91325
CURRENT RESIDENT	15620 S NORMANDIE AVE APT D	GARDENA, CA 90247
CURRENT RESIDENT	1450 SUNDALE RD	EL CAJON, CA 92019
CURRENT RESIDENT	8305 SIERRA BONITA AVE	ROSEMEAD, CA 91770
CURRENT RESIDENT	4708 W UNIONTOWN ST	BROKEN ARROW, OK 74012
CURRENT RESIDENT	13310 NE 133RD ST APT 5D	KIRKLAND, WA 98034
CURRENT RESIDENT	13488 MAXELLA AVE APT 616	MARINA DEL REY, CA 90292
CURRENT RESIDENT	14716 MAR VISTA ST	WHITTIER, CA 90605
CURRENT RESIDENT	1130 GRAND CAYMAN DR	MERRITT ISLAND, FL 32952

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	17548 MONDINO DR	ROWLAND HEIGHTS, CA 91748
CURRENT RESIDENT	4969 ROMAINE ST APT 1	LOS ANGELES, CA 90029
CURRENT RESIDENT	541 RUSH DR APT 166	SAN MARCOS, CA 92078
CURRENT RESIDENT	245 RUES LN	E BRUNSWICK, NJ 8816
CURRENT RESIDENT	20 CALLE TAMARA	SAN CLEMENTE, CA 92673
CURRENT RESIDENT	11748 ASPEN VIEW DR	SAN DIEGO, CA 92128
CURRENT RESIDENT	9212 BROWNSTONE LEDGE AVE	LAS VEGAS, NV 89149
CURRENT RESIDENT	740 MORROCCO DR	HENDERSON, NV 89002
CURRENT RESIDENT	837 S ALMANSOR ST APT A	ALHAMBRA, CA 91801
CURRENT RESIDENT	6332 STAFFORD AVE	HUNTINGTON PARK, CA 90255
CURRENT RESIDENT	COL NOCHEBUENA MIXCOAC MEXICO DF MEXICO 03720	
CURRENT RESIDENT	456 MARGARET AVE	LOS ANGELES, CA 90022
CURRENT RESIDENT	499 11TH AVE	SAN FRANCISCO, CA 94118
CURRENT RESIDENT	5220 INDIAN RIVER DR UNIT 285	LAS VEGAS, NV 89103
CURRENT RESIDENT	943 S SALEM ST	ANAHEIM, CA 92802
CURRENT RESIDENT	2270 SNOW AVE	OXNARD, CA 93036
CURRENT RESIDENT	35213 NIGHTINGALE ST	WINCHESTER, CA 92596
CURRENT RESIDENT	5707 CHEROKEE CIR	SIMI VALLEY, CA 93063
CURRENT RESIDENT	13390 KYLE DR	MORENO VALLEY, CA 92553
CURRENT RESIDENT	2609 NOBILITY AVE	NORTH LAS VEGAS, NV 89032
CURRENT RESIDENT	5083 MOZART DR	EL SOBRANTE, CA 94803
CURRENT RESIDENT	17514 ANTONIO AVE	CERRITOS, CA 90703
CURRENT RESIDENT	145 E AVIAGION RD # 7	FALLBROOK, CA 92028
CURRENT RESIDENT	10732 LA BATISTA AVE	FOUNTAIN VALLEY, CA 92708
CURRENT RESIDENT	6724 BOVEY AVE	RESEDA, CA 91335
CURRENT RESIDENT	4622 ST ELMO DR	LOS ANGELES, CA 90019
CURRENT RESIDENT	8541 1 2 CEDAR STREET	BELLFLOWER, CA 90706
CURRENT RESIDENT	105 CIMARRON ST	LA PUENTE, CA 91744
CURRENT RESIDENT	13292 COOL MEADOW DR	EASTVALE, CA 92880
CURRENT RESIDENT	24711 PALLAS WAY	MISSION VIEJO, CA 92691
CURRENT RESIDENT	15347 BELLFLOWER BLVD	BELLFLOWER, CA 90706
CURRENT RESIDENT	13351 RIVERSIDE DR STE D	SHERMAN OAKS, CA 91423
CURRENT RESIDENT	802 STATE ROUTE 208	YERINGTON, NV 89447
CURRENT RESIDENT	1338 SILVER HAWK WAY	CHULA VISTA, CA 91915
CURRENT RESIDENT	25870 LA BARCA RD	MORENO VALLEY, CA 92551
CURRENT RESIDENT	1319 HOAKOA PL	HONOLULU, HI 96821
CURRENT RESIDENT	7335 PRIMROSE POST	SAN ANTONIO, TX 78218
CURRENT RESIDENT	9390 HENNESSY CT	LAS VEGAS, NV 89123
CURRENT RESIDENT	14 CENTRE LN	BAYONNE, NJ 7002
CURRENT RESIDENT	7438 DESERTSCAPE AVE	LAS VEGAS, NV 89178
CURRENT RESIDENT	4365 W 141ST ST APT 221	HAWTHORNE, CA 90250

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	1615 W 67TH ST	LOS ANGELES, CA 90047
CURRENT RESIDENT	4714 26TH AVE SE	LACEY, WA 98503
CURRENT RESIDENT	8444 IRONDALE AVE	WINNETKA, CA 91306
CURRENT RESIDENT	2277 EWING ST	LOS ANGELES, CA 90039
CURRENT RESIDENT	284 GREENWOOD PL	BONITA, CA 91902
CURRENT RESIDENT	1304 CRESTMONT AVE	ROSEVILLE, CA 95661
CURRENT RESIDENT	7562 ELLIS AVE APT B3	HUNTINGTON BEACH, CA 92648
CURRENT RESIDENT	13342 WILSON ST	GARDEN GROVE, CA 92844
CURRENT RESIDENT	21099 BAPTISIA CT	MORENO VALLEY, CA 92557
CURRENT RESIDENT	8818 KEREMEOS WAY	SAN DIEGO, CA 92126
CURRENT RESIDENT	9301 SHIRLEY AVE APT 75	NORTHRIDGE, CA 91324
CURRENT RESIDENT	5205 PRAIRIEVIEW ST	CAMARILLO, CA 93012
CURRENT RESIDENT	354 PINTO CT	VALLEJO, CA 94591
CURRENT RESIDENT	14120 S MENLO AVE	GARDENA, CA 90247
CURRENT RESIDENT	6633 WOODLEY AVE APT 15	VAN NUYS, CA 91406
CURRENT RESIDENT	2317 W 78TH ST	INGLEWOOD, CA 90305
CURRENT RESIDENT	948 RIVER BEND DR	LATHROP, CA 95330
CURRENT RESIDENT	8416 NORWOOD PL	ROSEMEAD, CA 91770
CURRENT RESIDENT	9129 LOUISE ST	BELLFLOWER, CA 90706
CURRENT RESIDENT	3531 DIVISION ST	LOS ANGELES, CA 90065
CURRENT RESIDENT	2506 BALFOUR AVE	FULLERTON, CA 92831
CURRENT RESIDENT	17 THORNHURST	SAN ANTONIO, TX 78218
CURRENT RESIDENT	10439 BOWMAN AVE	SOUTH GATE, CA 90280
CURRENT RESIDENT	7400 FIREWEED CIR	CITRUS HEIGHTS, CA 95610
CURRENT RESIDENT	8209 LONGDEN AVE	SAN GABRIEL, CA 91775
CURRENT RESIDENT	1233 OLMSTED DR	GLENDALE, CA 91202
CURRENT RESIDENT	16024 LLANADA AVE	VICTORVILLE, CA 92394
CURRENT RESIDENT	3612 E 60TH PL	HUNTINGTON PARK, CA 90255
CURRENT RESIDENT	21808 BUCKSKIN DR	WALNUT, CA 91789
CURRENT RESIDENT	17754 RALPHS RANCH RD	SAN DIEGO, CA 92127
CURRENT RESIDENT	12103 BONWOOD RD	EL MONTE, CA 91732
CURRENT RESIDENT	705 W 65TH ST	LOS ANGELES, CA 90044
CURRENT RESIDENT	1786 JEANNA PL	UPLAND, CA 91784
CURRENT RESIDENT	10864 SERENITY DR	SUN VALLEY, CA 91352
CURRENT RESIDENT	8700 HERRICK AVE	SUN VALLEY, CA 91352
CURRENT RESIDENT	9598 MOUNTWOOD DR	MANASSAS, VA 20110
CURRENT RESIDENT	329 ARBOR RIDGE PKWY	MCDONOUGH, GA 30253
CURRENT RESIDENT	7909 TOPANGA CANYON BLVD APT 101	CANOGA PARK, CA 91304
CURRENT RESIDENT	PO BOX 4705	DOWNEY, CA 90241
CURRENT RESIDENT	22024 CALLAHAN PL	CARSON, CA 90745
CURRENT RESIDENT	11716 MALAGON DR	FONTANA, CA 92337

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	1140 TOLEDO ST	LOS ANGELES, CA 90042
CURRENT RESIDENT	655 COLBY CIR APT 5	CLAREMONT, CA 91711
CURRENT RESIDENT	109 E 52ND ST	LONG BEACH, CA 90805
CURRENT RESIDENT	17151 S SIENNA BLUFFS TRL	VAIL, AZ 85641
CURRENT RESIDENT	6 BARNSDALE RD	MADISON, NJ 7940
CURRENT RESIDENT	820 S CANOGA ST	ANAHEIM, CA 92804
CURRENT RESIDENT	7109 CATALPA AVE	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	9080 FARM ST	DOWNEY, CA 90241
CURRENT RESIDENT	29577 CASTLEWOOD DR	MENIFEE, CA 92584
CURRENT RESIDENT	12550 CARSON ST SPC 188	HAWAIIAN GARDENS, CA 90716
CURRENT RESIDENT	1192 MOONLIGHT WAY	MILPITAS, CA 95035
CURRENT RESIDENT	148 S KINGSLEY DR	LOS ANGELES, CA 90004
CURRENT RESIDENT	139 S KINGSLEY DR	LOS ANGELES, CA 90004
CURRENT RESIDENT	1713 ARMOUR LN	REDONDO BEACH, CA 90278
CURRENT RESIDENT	7371 LYONS AVE	HESPERIA, CA 92345
CURRENT RESIDENT	4004 COLONETT PL	NEWBURY PARK, CA 91320
CURRENT RESIDENT	1022 W 209TH ST	TORRANCE, CA 90502
CURRENT RESIDENT	626 VIA LOS MIRADORES	REDONDO BEACH, CA 90277
CURRENT RESIDENT	15225 S 183RD DR	GOODYEAR, AZ 85338
CURRENT RESIDENT	21486 RANDSBURG MOJAVE RD	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	849 W 50TH ST	LOS ANGELES, CA 90037
CURRENT RESIDENT	9618 PETIT AVE	NORTHRIDGE, CA 91343
CURRENT RESIDENT	1208 S PALOMINO CREEK DR	GILBERT, AZ 85296
CURRENT RESIDENT	402 BLACK LN	PLACENTIA, CA 92870
CURRENT RESIDENT	18531 MESCAL ST	ROWLAND HEIGHTS, CA 91748
CURRENT RESIDENT	855 S HARVARD BLVD APT 201	LOS ANGELES, CA 90005
CURRENT RESIDENT	7026 SAN LUIS AVE	BELL, CA 90201
CURRENT RESIDENT	9012 E FAIRVIEW AVE APT E	SAN GABRIEL, CA 91775
CURRENT RESIDENT	2017 INEZ DR	OXNARD, CA 93030
CURRENT RESIDENT	5262 FINKAS LN	FAIRFIELD, CA 94533
CURRENT RESIDENT	2133 15TH ST	SPRINGFIELD, OR 97477
CURRENT RESIDENT	4630 GLENWOOD AVE	LA CRESCENTA, CA 91214
CURRENT RESIDENT	2757 SALEROSO DR	ROWLAND HEIGHTS, CA 91748
CURRENT RESIDENT	PO BOX 4822	CERRITOS, CA 90703
CURRENT RESIDENT	11715 LEMOLI AVE	INGLEWOOD, CA 90303
CURRENT RESIDENT	1221 W 3RD ST APT 421	LOS ANGELES, CA 90017
CURRENT RESIDENT	11813 VALERIO ST	NORTH HOLLYWOOD, CA 91605
CURRENT RESIDENT	14533 WATKINS DR	LA MIRADA, CA 90638
CURRENT RESIDENT	2117 8TH AVE	LOS ANGELES, CA 90018
CURRENT RESIDENT	3860 DELTA AVE	ROSEMEAD, CA 91770
CURRENT RESIDENT	4053 LARWIN AVE	CYPRESS, CA 90630

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	9153 NOBLE AVE	NORTH HILLS, CA 91343
CURRENT RESIDENT	12663 REMINGTON ST	PACOIMA, CA 91331
CURRENT RESIDENT	858 E VIRGINIA ST	RIALTO, CA 92376
CURRENT RESIDENT	PO BOX 254	NORTH HAMPTON, NH 3862
CURRENT RESIDENT	780 NE 69TH ST APT 1002	MIAMI, FL 33138
CURRENT RESIDENT	507 S EUCLID ST SPC 70	SANTA ANA, CA 92704
CURRENT RESIDENT	10500 KURT ST	SYLMAR, CA 91342
CURRENT RESIDENT	14900 89TH PL NE	KENMORE, WA 98028
CURRENT RESIDENT	2319 S ORANGE DR	LOS ANGELES, CA 90016
CURRENT RESIDENT	7827 BAKMAN AVE	SUN VALLEY, CA 91352
CURRENT RESIDENT	516 E CEDAR AVE APT G	BURBANK, CA 91501
CURRENT RESIDENT	5413 PEPPERTREE LN	BAKERSFIELD, CA 93309
CURRENT RESIDENT	16528 RINALDI ST	GRANADA HILLS, CA 91344
CURRENT RESIDENT	4757 GAGE AVE	BELL, CA 90201
CURRENT RESIDENT	7585 CORALWOOD CT	EASTVALE, CA 92880
CURRENT RESIDENT	152 TERESITA WAY	LOS GATOS, CA 95032
CURRENT RESIDENT	1201 E HIGHLAND AVE	SAN BERNARDINO, CA 92404
CURRENT RESIDENT	19327 ACKERMAN AVE	NEWHALL, CA 91321
CURRENT RESIDENT	1709 MORTON AVE	LOS ANGELES, CA 90026
CURRENT RESIDENT	1009 CAMINO CALABAZO	CHULA VISTA, CA 91910
CURRENT RESIDENT	11232 SANTA ROSALIA ST	STANTON, CA 90680
CURRENT RESIDENT	9585 GARVEY AVE SPC 29	EL MONTE, CA 91733
CURRENT RESIDENT	18761 COVELLO ST	RESEDA, CA 91335
CURRENT RESIDENT	92-1301 PUNAWAINUI ST	KAPOLEI, HI 96707
CURRENT RESIDENT	26061 SHADOW ROCK LN	VALENCIA, CA 91381
CURRENT RESIDENT	436 W 90TH ST	LOS ANGELES, CA 90003
CURRENT RESIDENT	2698 WARDLOW AVE	SAN DIEGO, CA 92154
CURRENT RESIDENT	1200 S 4TH AVE	ARCADIA, CA 91006
CURRENT RESIDENT	4211 Q 12 AVE	PALMDALE, CA 93552
CURRENT RESIDENT	3729 W SEQUIM BAY RD	SEQUIM, WA 98382
CURRENT RESIDENT	1655 GLORIA DR	STOCKTON, CA 95205
CURRENT RESIDENT	3413 WARWICK WAY	SNELLVILLE, GA 30039
CURRENT RESIDENT	13921 TUSTIN EAST DR APT 17C	TUSTIN, CA 92780
CURRENT RESIDENT	5050 STATE HIGHWAY 303 NE STE 103	BREMERTON, WA 98311
CURRENT RESIDENT	5860 BRIERCREST AVE	LAKEWOOD, CA 90713
CURRENT RESIDENT	7225 S HALLDALE AVE	LOS ANGELES, CA 90047
CURRENT RESIDENT	2913 GLEN DARBY CT	SAN JOSE, CA 95148
CURRENT RESIDENT	17472 BARBEE ST	FONTANA, CA 92336
CURRENT RESIDENT	9146 TUSCOLA RD	FRANKENMUTH, MI 48734
CURRENT RESIDENT	270 PAKAUWILI DR	WAHIAWA, HI 96786
CURRENT RESIDENT	1709 CALLE ZAFIRO	NEWBURY PARK, CA 91320

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	3451 LAKEVIEW DR	SPRING VALLEY, CA 91977
CURRENT RESIDENT	1143 DEVON LAKE ST	LAS VEGAS, NV 89110
CURRENT RESIDENT	16616 E PHILLIPS PL	ENGLEWOOD, CO 80112
CURRENT RESIDENT	1538 AVENIDA ROSA	CHULA VISTA, CA 91911
CURRENT RESIDENT	2725 ANTA CT	CARLSBAD, CA 92009
CURRENT RESIDENT	14884 LONG VIEW DR	FONTANA, CA 92337
CURRENT RESIDENT	1671 SACRAMENTO ST	SAN FRANCISCO, CA 94109
CURRENT RESIDENT	21040 PARTHENIA ST APT 21	CANOGA PARK, CA 91304
CURRENT RESIDENT	3871 EASTWOOD CIR	SANTA CLARA, CA 95054
CURRENT RESIDENT	4515 GUNDRY AVE	LONG BEACH, CA 90807
CURRENT RESIDENT	8569 CORD AVE	PICO RIVERA, CA 90660
CURRENT RESIDENT	1004 SUNSET CROSSING PT	SAN DIEGO, CA 92154
CURRENT RESIDENT	9763 RESEDA BLVD UNIT 82	NORTHRIDGE, CA 91324
CURRENT RESIDENT	10172 EVELYN AVE	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	851 S DODSWORTH AVE	GLENDORA, CA 91740
CURRENT RESIDENT	1038 S CAMBRIDGE ST	ANAHEIM, CA 92805
CURRENT RESIDENT	733 W 138TH ST	GARDENA, CA 90247
CURRENT RESIDENT	1262 PARK AVE	EUGENE, OR 97404
CURRENT RESIDENT	3721 SKYE RD	WASHOUGAL, WA 98671
CURRENT RESIDENT	3604 GRANADA AVE	BAKERSFIELD, CA 93309
CURRENT RESIDENT	PO BOX 2684	REDONDO BEACH, CA 90278
CURRENT RESIDENT	16511 KIWI WAY	LAKE ELSINORE, CA 92530
CURRENT RESIDENT	1624 PALM ST UNIT 172	LAS VEGAS, NV 89104
CURRENT RESIDENT	3616 SOMERSET DR	LOS ANGELES, CA 90016
CURRENT RESIDENT	2913 FRANKEL ST	LAKEWOOD, CA 90712
CURRENT RESIDENT	28373 CABRINI DR	HAYWARD, CA 94545
CURRENT RESIDENT	515 PARK MEADOW CT	SAN JOSE, CA 95129
CURRENT RESIDENT	1716 BREA CANYON CUT OFF RD # B	WALNUT, CA 91789
CURRENT RESIDENT	2720 WIDGEON LN	LAKE HAVASU CITY, AZ 86403
CURRENT RESIDENT	5633 FLORINDA AVE	ARCADIA, CA 91006
CURRENT RESIDENT	5049 E LOMITA AVE	ORANGE, CA 92869
CURRENT RESIDENT	702 W ARROW HWY	CLAREMONT, CA 91711
CURRENT RESIDENT	PO BOX 198	ALAMO, CA 94507
CURRENT RESIDENT	22 LELAND DR	NOVATO, CA 94947
CURRENT RESIDENT	9310 NE 142ND ST	KIRKLAND, WA 98034
CURRENT RESIDENT	24086 OXBOW LN N	SONORA, CA 95370
CURRENT RESIDENT	1181 BENNY CT	SAN JOSE, CA 95131
CURRENT RESIDENT	9604 HAMBURG CT	INDIANAPOLIS, IN 46256
CURRENT RESIDENT	11611 CENTER ST	SOUTH GATE, CA 90280
CURRENT RESIDENT	11308 MONDON AVE	NORWALK, CA 90650
CURRENT RESIDENT	9636 GIERSON AVE	CHATSWORTH, CA 91311

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	17189 W BERNARDO DR UNIT 205	SAN DIEGO, CA 92127
CURRENT RESIDENT	17421 WILD ROSE LN	HUNTINGTON BEACH, CA 92649
CURRENT RESIDENT	11330 WHITE CLOUD DR	RANCHO CUCAMONGA, CA 91701
CURRENT RESIDENT	846 W 2ND ST	SAN PEDRO, CA 90731
CURRENT RESIDENT	3800 STOCKER ST APT 12	VIEW PARK, CA 90008
CURRENT RESIDENT	10378 MACRON ST	OAK HILLS, CA 92344
CURRENT RESIDENT	8415 BEECHWOOD TRCE	RIVERDALE, GA 30274
CURRENT RESIDENT	4138 MISSION BLVD SPC 51	MONTCLAIR, CA 91763
CURRENT RESIDENT	1620 VIA CANCION	SAN MARCOS, CA 92078
CURRENT RESIDENT	2404 BEL PAESE BND	LEANDER, TX 78641
CURRENT RESIDENT	2467 BLACKBEARD DR	JACKSONVILLE, FL 32224
CURRENT RESIDENT	6716 PLASKA AVE	HUNTINGTON PARK, CA 90255
CURRENT RESIDENT	2428 SANTA CRUZ CT	TORRANCE, CA 90501
CURRENT RESIDENT	146 CYPRESS DR APT A	SAN YSIDRO, CA 92173
CURRENT RESIDENT	14402 HAYNES ST STE 206	VAN NUYS, CA 91401
CURRENT RESIDENT	1421 SUNKIST AVE	LA PUENTE, CA 91746
CURRENT RESIDENT	20759 E WALNUT CANYON RD	WALNUT, CA 91789
CURRENT RESIDENT	123 W LA SIERRA DR	ARCADIA, CA 91007
CURRENT RESIDENT	5955 TROPHY LOOP	LAKELAND, FL 33811
CURRENT RESIDENT	2053 GLENBROOK AVE	CAMARILLO, CA 93010
CURRENT RESIDENT	16025 SELBORNE DR	SAN LEANDRO, CA 94578
CURRENT RESIDENT	11390 PONDHURST WAY	RIVERSIDE, CA 92505
CURRENT RESIDENT	1010 SHERLOCK DR	BURBANK, CA 91501
CURRENT RESIDENT	321 W HAMMEL ST	MONTEREY PARK, CA 91754
CURRENT RESIDENT	5962 E S # 200	MURRAY, UT 84107
CURRENT RESIDENT	3469 W VERSAILLES DR	COEUR D ALENE, ID 83815
CURRENT RESIDENT	4290 CALLE DE VIDA	SAN DIEGO, CA 92124
CURRENT RESIDENT	69 AV RIO DE SAN ANGL #1020 MEXICO DF MEXICO	
CURRENT RESIDENT	PUERTA DE HIERRO TIJUANA BC 22260	
CURRENT RESIDENT	477 BRIDGE ST	SOUTH HAMILTON, MA 1982
CURRENT RESIDENT	6950 BELLUNO PL	RANCHO CUCAMONGA, CA 91701
CURRENT RESIDENT	8849 HOOD MOUNTAIN WAY	SANTA ROSA, CA 95409
CURRENT RESIDENT	365 E HOME ST	RIALTO, CA 92376
CURRENT RESIDENT	166 W WASHINGTON ST STE 730	CHICAGO, IL 60602
CURRENT RESIDENT	2943 MANHATTAN AVE	LA CRESCENTA, CA 91214
CURRENT RESIDENT	2701 FORRESTER DR	LOS ANGELES, CA 90064
CURRENT RESIDENT	17418 55TH PL W	LYNNWOOD, WA 98037
CURRENT RESIDENT	7435 KEISHA TER	SAN DIEGO, CA 92126
CURRENT RESIDENT	826 N MONTEREY ST APT D	ALHAMBRA, CA 91801
CURRENT RESIDENT	2091 SW 55TH STREET RD	OCALA, FL 34471
CURRENT RESIDENT	3970 WAINSCOT CT	LAS VEGAS, NV 89147

Master Mailing List: Agencies, Organizations, and Individuals Sent a Hard Copy of the Draft EIR Notice of Availability Via First Class Mail (continued)

Name	Address 1	Address 2
CURRENT RESIDENT	1932 NEVIN AVE	RICHMOND, CA 94801
CURRENT RESIDENT	4405 DESERT HAVEN AVE	NORTH LAS VEGAS, NV 89085
CURRENT RESIDENT	5252 PRINCETON AVE	WESTMINSTER, CA 92683
CURRENT RESIDENT	13118 DUNROBIN AVE	DOWNEY, CA 90242
CURRENT RESIDENT	737 S OXFORD AVE APT 4	LOS ANGELES, CA 90005
CURRENT RESIDENT	115 PHELAN AVE STE 6	SAN JOSE, CA 95112
CURRENT RESIDENT	13611 OLYMPUS DR	WESTMINSTER, CA 92683
CURRENT RESIDENT	9353 BOLSA AVE # L53	WESTMINSTER, CA 92683
CURRENT RESIDENT	4510 MERRILL ST	TORRANCE, CA 90503
CURRENT RESIDENT	2201 N VIA DE SUENOS	TUCSON, AZ 85745
CURRENT RESIDENT	12407 FEATHER DR	EASTVALE, CA 91752
CURRENT RESIDENT	1224 SIMONSON WAY	SAN JOSE, CA 95121
CURRENT RESIDENT	14 AUHILI PL	WAHIAWA, HI 96786
CURRENT RESIDENT	10951 MARKEV ST	ANAHEIM, CA 92804
CURRENT RESIDENT	PO BOX 71101	BAKERSFIELD, CA 93387
CURRENT RESIDENT	10961 DESERT LAWN DR SPC 416	CALIMESA, CA 92320
CURRENT RESIDENT	1300 N LAUREL AVE	WEST HOLLYWOOD, CA 90046
CURRENT RESIDENT	5423 MATINA DR	ELK GROVE, CA 95757
CURRENT RESIDENT	1233 SINGINGWOOD CT APT 2	WALNUT CREEK, CA 94595
CURRENT RESIDENT	21000 HACIENDA BLVD	CALIF CITY, CA 93505
CURRENT RESIDENT	8100 CALIFORNIA CITY BLVD	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	2431 POMINO WAY	PLEASANTON, CA 94566
CURRENT RESIDENT	4332 BALDWIN PARK BLVD	BALDWIN PARK, CA 91706
CURRENT RESIDENT	1880 SCHULTE DR APT 202	SAN JOSE, CA 95133
CURRENT RESIDENT	10415 WITHIN HEIGHTS DR	BAKERSFIELD, CA 93311
CURRENT RESIDENT	10890 CAMINITO ALVAREZ	SAN DIEGO, CA 92126
CURRENT RESIDENT	15723 S DENVER AVE	GARDENA, CA 90248
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CURRENT RESIDENT	8435 COLUMBUS AVE UNIT 8	NORTH HILLS, CA 91343
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CURRENT RESIDENT	4121 LUGO AVE	CHINO HILLS, CA 91709
CURRENT RESIDENT	3762 LOMINA AVE	LONG BEACH, CA 90808
CURRENT RESIDENT	4470 W SUNSET BLVD STE 107	LOS ANGELES, CA 90027
CURRENT RESIDENT	8844 AVOCA CT	LANCASTER, CA 93536
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CURRENT RESIDENT	3793 VILLA DR	IRONDALE, AL 35210
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CURRENT RESIDENT	27801 HIALEAH DR	TEHACHAPI, CA 93561
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CURRENT RESIDENT	5936 LEMP AVE	NORTH HOLLYWOOD, CA 91601
CURRENT RESIDENT	1557 TIMBERLINE	BEAUMONT, CA 92223
CURRENT RESIDENT	13232 MEMORY LN	FAIRFAX, VA 22033
CURRENT RESIDENT	3350 CANOGA PL	CAMARILLO, CA 93010
CURRENT RESIDENT	1730 STARVIEW LN	LINCOLN, CA 95648
CURRENT RESIDENT	PO BOX 1030	LAS CRUCES, NM 88004
CURRENT RESIDENT	1028 E JULES ST	ARLINGTON HEIGHTS, IL 60004
CURRENT RESIDENT	57 CLINTON AVE	JAMESTOWN, RI 2835
CURRENT RESIDENT	33781 PASEO DE DECORA	SAN JUAN CAPISTRANO, CA 92675
CURRENT RESIDENT	4376 SUNGATE DR	PALMDALE, CA 93551
CURRENT RESIDENT	5829 CARTWRIGHT AVE APT 5	NORTH HOLLYWOOD, CA 91601
CURRENT RESIDENT	2113 ROSELAWN DR	LEBANON, IN 46052
CURRENT RESIDENT	10428 MONOGRAM AVE	GRANADA HILLS, CA 91344
CURRENT RESIDENT	2807 LEWIS DR	LA VERNE, CA 91750
CURRENT RESIDENT	3615 VIRGINIA ST	LA CRESCENTA, CA 91214
CURRENT RESIDENT	3806 S PARK DR	FORT WAYNE, IN 46806
CURRENT RESIDENT	5813 SPRING OAK DR	LOS ANGELES, CA 90068
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CURRENT RESIDENT	62 GEBHART AVE	SAN JOSE, CA 95116
CURRENT RESIDENT	8033 W SUNSET BLVD # 1025	LOS ANGELES, CA 90046
CURRENT RESIDENT	22123 NICOLLE AVE	CARSON, CA 90745
CURRENT RESIDENT	6562 BIANCA AVE	LAKE BALBOA, CA 91406
CURRENT RESIDENT	3021 HARBOUR SHORE LN	ELK GROVE, CA 95758
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CURRENT RESIDENT	5357 NORWICH AVE	SHERMAN OAKS, CA 91411
CURRENT RESIDENT	201 ELK ST	BODFISH, CA 93205
CURRENT RESIDENT	149 E 78TH ST	LOS ANGELES, CA 90003
CURRENT RESIDENT	20086 MAIDEN LN	ALTADENA, CA 91001
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CURRENT RESIDENT	1780 YOLANDA AVE	SPRINGFIELD, OR 97477
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CURRENT RESIDENT	1431 KLINER LN	PLACENTIA, CA 92870
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CURRENT RESIDENT	267 VILLAGE RUN E	ENCINITAS, CA 92024
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CURRENT RESIDENT	27 TWILIGHT LN	RANCHO SANTA MARGARITA, CA 92
CURRENT RESIDENT	118 YELLOW DAISY	IRVINE, CA 92618
CURRENT RESIDENT	10551 VALLEY SPRING LN	TOLUCA LAKE, CA 91602
CURRENT RESIDENT	1468 REUBEN RD	GLENDALE, OR 97442
CURRENT RESIDENT	2316 BAXTER ST	LOS ANGELES, CA 90039
CURRENT RESIDENT	9362 SKYLARK BLVD	GARDEN GROVE, CA 92841
CURRENT RESIDENT	38667 MEMBERS CLUB DR	MURRIETA, CA 92563
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CURRENT RESIDENT	2682 KENNINGTON DR	GLENDALE, CA 91206
CURRENT RESIDENT	7842 HUNTHAVEN RD	SAN DIEGO, CA 92114
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CURRENT RESIDENT	846 N GARFIELD AVE	PASADENA, CA 91104
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CURRENT RESIDENT	6127 SONOMA AVE	MOJAVE, CA 93501
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CURRENT RESIDENT	5875 E STATE HIGHWAY 58	BORON, CA 93516
CURRENT RESIDENT	5121 E STATE HIGHWAY 58	BORON, CA 93516
CURRENT RESIDENT	42711 US HWY 395	BORON, CA 93516
CURRENT RESIDENT	40808 W US HIGHWAY 395	BORON, CA 93516
CURRENT RESIDENT	3219 GULF ST SPC 3	BAKERSFIELD, CA 93308
CURRENT RESIDENT	21419 BALDWIN LN	CALIFORNIA CITY, CA 93505
CURRENT RESIDENT	16977 HILLCREST AVE	NORTH EDWARDS, CA 93523
CURRENT RESIDENT	16905 HILLCREST AVE	NORTH EDWARDS, CA 93523
CURRENT RESIDENT	16835 HILLCREST AVE	NORTH EDWARDS, CA 93523
CURRENT RESIDENT	16520 HILLCREST AVE	NORTH EDWARDS, CA 93523
CURRENT RESIDENT	14637 CASTLE BUTTE RD	NORTH EDWARDS, CA 93523
CURRENT RESIDENT	14054 FLINT ST	NORTH EDWARDS, CA 93523
CURRENT RESIDENT	13993 CLAYMINE RD	NORTH EDWARDS, CA 93523

Appendix D
(EMF) Field Management Plan

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List of Terms

ACSR	Aluminum Conductor Steel Reinforced
BLM	Bureau of Land Management
CDHS	California Department of Health Services
CPCN	Certificate of Public Convenience and Necessity
CPUC	California Public Utilities Commission
ELF	Extremely Low Frequency
EIR	Environmental Impact Report
EMF	electric and magnetic fields
FMP	field management plan
GO	General Order
IARC	International Agency for Research on Cancer
kV	kilovolt
LWS	light weight steel
mG	milligauss
NIEHS	National Institute of Environmental Health Sciences
NRPB	National Radiation Protection Board
OPGW	Optical Protection Ground Wire
PMR	Project Modification Report
RAPID	Research and Public Information Dissemination
RCA	Regional Conservation Authority
ROW	Rights-of-Way
SCE	Southern California Edison
SR	State Route
T/L	transmission line
TSP	tubular steel pole
WHO	World Health Organization

I. Executive Summary

This document is Southern California Edison Company's (SCE) Field Management Plan (FMP) for the Cal City Substation 115 kilovolt (kV) Upgrade Project (Project). This FMP has been prepared in accordance with CPUC Decision No. 93-11-013 and Decision No. 06-01-042 relating to extremely low frequency (ELF)[1] electric and magnetic fields (EMF). SCE has prepared this FMP in order to inform the public, the California Public Utilities Commission (CPUC), and other interested parties of its evaluation of "no-cost and low-cost" magnetic field reduction design options, and Edison's plan to apply these design options to this project. This FMP also provides background on the current status of scientific research related to possible health effects of EMF, and a description of the CPUC's EMF policy.

The Proposed Project would occur in portions of the City of California City and surrounding areas of unincorporated Kern County, unincorporated San Bernadino County, and Edwards Air Force Base (EAFB) (Figure 1). The Proposed Project consists of two new subtransmission lines: one line from Cal City Substation to Kramer Substation and one three-terminal line connecting Cal City Substation, Edwards Substation, and Holgate Switchyard. The Proposed Project also includes upgrades for the four related substations, but only the Cal City Substation EMF reduction measures were evaluated in this FMP as the other substations will only have minor terminal upgrades. The Proposed Project includes the following major electrical components that were evaluated for application of the CPUC's EMF design guidelines:

- Construct one new Kramer-Cal City 115 kV Subtransmission Line (approximately 42 miles)
- Construct one new Cal City-Edwards-Holgate 115 kV Subtransmission Line (approximately 28 miles)
- Expand the existing Cal City Substation by approximately 10 acres[2] to include new 115 kV, 33 kV, and 12 kV switchracks, two 115 kV/33 kV transformers, four 115 kV/12 kV transformers, one 115 kV capacitor bank, two 33 kV capacitor banks, and four 12 kV capacitor banks

This project description is based on planning level assumptions. Exact details would be determined following completion of final engineering, identification of field conditions, availability of labor, material, and equipment, and compliance with applicable environmental and permitting requirements.

The "no-cost and low-cost" magnetic field reduction design options that are incorporated into the design of the Project are as follows:

- Utilize structure heights that meet or exceed SCE's EMF preferred design criteria.

---

1 The extremely low frequency is defined as the frequency range from 3 Hz to 3,000 Hz.

2 The Proposed Project would expand the Cal City Substation property by approximately 10 acres into parcels currently owned by SCE. The Proposed Project does not include acquisition of any additional parcels.

- Utilize subtransmission line construction that reduces the space between conductors as compared with other designs.

- Place major substation electrical equipment (such as transformers, switchracks, buses and underground duct banks) away from the substation property lines.

- Configure the transfer and operating buses with the transfer bus closest to the nearest property line.

The "no-cost and low-cost" magnetic field reduction design options that SCE considered for the Project are summarized in Table 1. For the purpose of evaluating "no-cost and low-cost" magnetic field reduction design options, the evaluation of magnetic fields associated with the Project has been divided into various areas that contain similar magnetic field models.

SCE's plan for applying the above "no-cost and low-cost" magnetic field reduction design options for the Project is consistent with CPUC's EMF policy and with the direction of leading national and international health agencies. Furthermore, the plan complies with SCE's EMF Design Guidelines[3], and with applicable national and state safety standards for new electrical facilities.

[3] EMF Design Guidelines, July 2006.

Table 1. Summary of "No-cost and Low-cost" Magnetic Field Reduction Design Options						
Area No.	**Location**[4]	**Adjacent Land Use Codes**[5]	**MF Reduction Design Options Considered**	**Estimated Cost to Adopt**	**Design Option(s) Adopted? (Yes/No)**	**Reason(s) if not adopted**
Kramer-Cal City Proposed Kramer-Cal City 115 kV Subtransmission Line	Exits Kramer Substation and runs north along US Hwy 395 before turning west, through California City into Cal City Substation.	2,3,4,6	• Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria. • Utilize subtransmission line construction that reduces the space between conductors as compared with other designs.	• No-Cost[6] • No-Cost[7]	• Yes • Yes	N/A
Cal City-Edwards-Holgate Proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line	Exits Cal City Substation and runs south and east to Holgate Substation and south on a tap continuing south of SR 58 to Edwards Substation.	2,3,6	• Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria. • Utilize subtransmission line construction that reduces the space between conductors as compared with other designs.	• No-Cost[8] • No-Cost[9]	• Yes • Yes	N/A

4 This column shows the major cross streets, existing subtransmission lines, or substation name as reference points.

5 Land usage codes are as follows: **1)** schools, licensed day-cares, and hospitals, **2)** residential, **3)** commercial/industrial, **4)** recreational, **5)** agricultural, and **6)** undeveloped land.

6 This option was included in the preliminary design and continues to be included in the design of the project.

7 *Ibid.*

8 *Ibid.*

9 *Ibid.*

Table 1. Summary of "No-cost and Low-cost" Magnetic Field Reduction Design Options (Cont.)						
Area No.	**Location**	**Adjacent Land Use Codes**	**MF Reduction Design Options Considered**	**Estimated Cost to Adopt**	**Design Option(s) Adopted? (Yes/No)**	**Reason(s) if not adopted**
Cal City Substation	Located just north of the corner of Hacienda Boulevard and Mendiburu Road in California City, California	6	• Placing major substation electrical equipment (such as transformers, switchracks, buses and underground duct banks) away from the substation property lines • Configuring the transfer and operating buses with the transfer bus closest to the nearest property line	• No-Cost[10] • No-Cost	• Yes • Yes, on 33 and 12 kV only	N/A

10 This option was included in the preliminary design and continues to be included in the design of the project.

II. Background Regarding EMF And Public Health Research On EMF

There are many sources of power frequency[11] electric and magnetic fields, including internal household and building wiring, electrical appliances, and electric power transmission and distribution lines. There have been numerous scientific studies about the potential health effects of EMF. After many years of research, the scientific community has been unable to determine if exposures to EMF cause health hazards. State and federal public health regulatory agencies have determined that setting numeric exposure limits is not appropriate.[12]

Many of the questions about possible connections between EMF exposures and specific diseases have been successfully resolved due to an aggressive international research program. However, potentially important public health questions remain about whether there is a link between EMF exposures and certain diseases, including childhood leukemia and a variety of adult diseases (e.g., adult cancers and miscarriages). As a result, some health authorities have identified magnetic field exposures as a possible human carcinogen. As summarized in greater detail below, these conclusions are consistent with the following published reports: the National Institute of Environmental Health Sciences (NIEHS) 1999[13], the National Radiation Protection Board (NRPB) 2001[14], the International Commission on non-Ionizing Radiation Protection (ICNIRP) 2001, the California Department of Health Services (CDHS) 2002[15], the International Agency for Research on Cancer (IARC) 2002[16] and the World Health Organization (WHO) 2007[17] .

The federal government conducted EMF research as a part of a $45-million research program managed by the NIEHS. This program, known as the EMF RAPID (Research and Public Information Dissemination), submitted its final report to the U.S. Congress on June 15, 1999. The report concluded that:

- "The scientific evidence suggesting that ELF-EMF exposures pose any health risk is weak."[18]
- "The NIEHS concludes that ELF-EMF exposure cannot be recognized as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard."[19]

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11 In U.S., it is 60 Hertz (Hz).

12 CPUC Decision 06-01-042, p. 6, footnote 10.

13 National Institute of Environmental Health Sciences' Report on Health Effects from Exposures to Power-Line frequency Electric and Magnetic Fields, NIH Publication No. 99-4493, June 1999.

14 National Radiological Protection Board, Electromagnetic Fields and the Risk of Cancer, Report of an Advisory Group on Non-ionizing Radiation, Chilton, U.K. 2001.

15 California Department of Health Services, An Evaluation of the Possible Risks from Electric and Magnetic Fields from Power Lines, Internal Wiring, Electrical Occupations, and Appliances, June 2002.

16 World Health Organization / International Agency for Research on Cancer, IARC Monographs on the evaluation of carcinogenic risks to humans (2002), Non-ionizing radiation, Part 1: Static and extremely low-frequency (ELF) electric and magnetic fields, IARCPress, Lyon, France: International Agency for Research on Cancer, Monograph, vol. 80, p. 338, 2002.

17 WHO, Environmental Health Criteria 238, EXTREMELY LOW FREQUENCY FIELDS, 2007.

18 National Institute of Environmental Health Sciences, NIEHS Report on Health Effects from Exposures to Power-Frequency Electric and Magnetic Fields, p. ii, NIH Publication No. 99-4493, 1999.

19 *Ibid.*, p. iii

- "The NIEHS suggests that the level and strength of evidence supporting ELF-EMF exposure as a human health hazard are insufficient to warrant aggressive regulatory actions; thus, we do not recommend actions such as stringent standards on electric appliances and a national program to bury all transmission and distribution lines. Instead, the evidence suggests passive measures such as a continued emphasis on educating both the public and the regulated community on means aimed at reducing exposures. NIEHS suggests that the power industry continue its current practice of siting power lines to reduce exposures and continue to explore ways to reduce the creation of magnetic fields around transmission and distribution lines without creating new hazards."[20]

In 2001, Britain's NRPB arrived at a similar conclusion:

> "After a wide-ranging and thorough review of scientific research, an independent Advisory Group to the Board of NRPB has concluded that the power frequency electromagnetic fields that exist in the vast majority of homes are not a cause of cancer in general. However, some epidemiological studies do indicate a possible small risk of childhood leukemia associated with exposures to unusually high levels of power frequency magnetic fields."[21]

In 2002, three scientists for CDHS concluded:

> "To one degree or another, all three of the [CDHS] scientists are inclined to believe that EMFs can cause some degree of increased risk of childhood leukemia, adult brain cancer, Lou Gehrig's disease, and miscarriage.
>
> They [CDHS] strongly believe that EMFs do not increase the risk of birth defects, or low birth weight.
>
> They [CDHS] strongly believe that EMFs are not universal carcinogens, since there are a number of cancer types that are not associated with EMF exposure.
>
> To one degree or another they [CDHS] are inclined to believe that EMFs do not cause an increased risk of breast cancer, heart disease, Alzheimer's disease, depression, or symptoms attributed by some to a sensitivity to EMFs. However, all three scientists had judgments that were "close to the dividing line between believing and not believing" that EMFs cause some degree of increased risk of suicide. For adult leukemia, two of the scientists are 'close to the dividing line between believing or not believing' and one was 'prone to believe' that EMFs cause some degree of increased risk."[22]

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20 *Ibid.*, p. 37 - 38

21 NRPB, NRPB Advisory Group on Non-ionizing Radiation Power Frequency Electromagnetic Fields and the Risk of Cancer, NRPB Press Release May 2001.

22 CDHS, An Evaluation of the Possible Risks From Electric and Magnetic Fields (EMFs) From Power Lines, Internal Wiring, Electrical Occupations and Appliances, p. 3, 2002.

Also in 2002, the World Health Organization's (WHO) IARC concluded:

> "ELF magnetic fields are possibly carcinogenic to humans"[23], based on consistent statistical associations of high-level residential magnetic fields with a doubling of risk of childhood leukemia...Children who are exposed to residential ELF magnetic fields less than 0.4 microTesla (4.0 milligauss) have no increased risk for leukemia…. In contrast, "no consistent relationship has been seen in studies of childhood brain tumors or cancers at other sites and residential ELF electric and magnetic fields."[24]

In June of 2007, the WHO issued a report on their multi-year investigation of EMF and the possible health effects. After reviewing scientific data from numerous EMF and human health studies, they concluded:

> "Scientific evidence suggesting that everyday, chronic low-intensity (above 0.3-0.4 μT [3-4 mG]) power-frequency magnetic field exposure poses a health risk is based on epidemiological studies demonstrating a consistent pattern of increased risk for childhood leukemia."[25]
>
> "In addition, virtually all of the laboratory evidence and the mechanistic evidence fail to support a relationship between low-level ELF magnetic fields and changes in biological function or disease status. Thus, on balance, the evidence is not strong enough to be considered causal, but sufficiently strong to remain a concern."[26]
>
> "A number of other diseases have been investigated for possible association with ELF magnetic field exposure. These include cancers in both children and adults, depression, suicide, reproductive dysfunction, developmental disorders, immunological modifications and neurological disease. The scientific evidence supporting a linkage between ELF magnetic fields and any of these diseases is much weaker than for childhood leukemia and in some cases (for example, for cardiovascular disease or breast cancer) the evidence is sufficient to give confidence that magnetic fields do not cause the disease"[27]
>
> "Furthermore, given both the weakness of the evidence for a link between exposure to ELF magnetic fields and childhood leukemia, and the limited impact on public health if there is a link, the benefits of exposure reduction on health are unclear. Thus the costs of precautionary measures should be very low."[28]

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23 IARC, Monographs, Part I, Vol. 80, p. 338.

24 *Ibid*., p. 332 - 334

25 WHO, Environmental Health Criteria 238, EXTREMELY LOW FREQUENCY FIELDS, p. 11 - 13, 2007.

26 *Ibid*., p. 12

27 *Ibid*., p. 12

28 *Ibid*., p. 13

III. Application Of the CPUC's "No-Cost And Low-Cost" EMF Policy To This Project

Recognizing the scientific uncertainty over the connection between EMF exposures and health effects, the CPUC adopted a policy that addresses public concern over EMF with a combination of education, information, and precaution-based approaches. Specifically, Decision 93-11-013 established a precautionary based "no-cost and low-cost" EMF policy for California's regulated electric utilities based on recognition that scientific research had not demonstrated that exposures to EMF cause health hazards and that it was inappropriate to set numeric standards that would limit exposure.

In 2006, the CPUC completed its review and update of its EMF Policy in Decision 06-01-042. This decision reaffirmed the finding that state and federal public health regulatory agencies have not established a direct link between exposure to EMF and human health effects,[29] and the policy direction that (1) use of numeric exposure limits was not appropriate in setting utility design guidelines to address EMF,[30] and (2) existing "no-cost and low-cost" precautionary-based EMF policy should be continued for proposed electrical facilities. The decision also reaffirmed that EMF concerns brought up during Certificate of Public Convenience and Necessity (CPCN) and Permit to Construct (PTC) proceedings for electric and transmission and substation facilities should be limited to the utility's compliance with the CPUC's "no-cost and low-cost" policies.[31]

The decision directed regulated utilities to hold a workshop to develop standard approaches for EMF Design Guidelines and such a workshop was held on February 21, 2006. Consistent design guidelines have been developed that describe the routine magnetic field reduction measures that regulated California electric utilities consider for new and upgraded transmission line and transmission substation projects. SCE filed its revised EMF Design Guidelines with the CPUC on July 26, 2006.

"No-cost and low-cost" measures to reduce magnetic fields would be implemented for this Project in accordance with SCE's EMF Design Guidelines. In summary, the process of evaluating "no-cost and low-cost" magnetic field reduction measures and prioritizing within and between land usage classes considers the following:

1. SCE's priority in the design of any electrical facility is public and employee safety. Without exception, design and construction of an electric power system must comply with all applicable federal, state, and local regulations, applicable safety codes, and each electric utility's construction standards. Furthermore, transmission

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29 CPUC Decision 06-01-042, Conclusion of Law No. 5, mimeo. p. 19 ("As discussed in the rulemaking, a direct link between exposure to EMF and human health effects has yet to be proven despite numerous studies including a study ordered by this Commission and conducted by DHS.").

30 CPUC Decision 06-01-042, mimeo. p. 17 - 18 ("Furthermore, we do not request that utilities include non-routine mitigation measures, or other mitigation measures that are based on numeric values of EMF exposure, in revised design guidelines or apply mitigation measures to reconfigurations or relocations of less than 2,000 feet, the distance under which exemptions apply under GO 131-D. Non-routine mitigation measures should only be considered under unique circumstances.").

31 CPUC Decision 06-01-042, Conclusion of Law No. 2, ("EMF concerns in future CPCN and PTC proceedings for electric and transmission and substation facilities should be limited to the utility's compliance with the Commission's low-cost/no-cost policies.").

and subtransmission lines and substations must be constructed so that they can operate reliably at their design capacity. Their design must be compatible with other facilities in the area and the cost to operate and maintain the facilities must be reasonable.

2. As a supplement to Step 1, SCE follows the CPUC's direction to undertake "no-cost and low-cost" magnetic field reduction measures for new and upgraded electrical facilities. Any proposed "no-cost and low-cost" magnetic field measures, must, however, meet the requirements described in Step 1 above. The CPUC defines "no-cost and low-cost" measures as follows:

   - Low-cost measures, in aggregate, should:
     - Cost in the range of 4 percent of the total project cost.
     - Result in magnetic field reductions of "15% or greater at the utility ROW [rights-of-way]…"[32]

   The CPUC Decision stated,

   > "We direct the utilities to use 4 percent as a benchmark in developing their EMF mitigation guidelines. We will not establish 4 percent as an absolute cap at this time because we do not want to arbitrarily eliminate a potential measure that might be available but costs more than the 4 percent figure. Conversely, the utilities are encouraged to use effective measures that cost less than 4 percent."[33]

3. The CPUC provided further policy direction in Decision 06-01-042, stating that, "[a]lthough equal mitigation for an entire class is a desirable goal, we will not limit the spending of EMF mitigation to zero on the basis that not all class members can benefit."[34] While Decision 06-01-042 directs the utilities to favor schools, day-care facilities and hospitals over residential areas when applying low-cost magnetic field reduction measures, prioritization within a class can be difficult on a project case-by-case basis because schools, day-care facilities, and hospitals are often integrated into residential areas, and many licensed day-care facilities are housed in private homes, and can be easily moved from one location to another. Therefore, it may be practical for public schools, licensed day-care centers, hospitals, and residential land uses to be grouped together to receive highest prioritization for low-cost magnetic field reduction measures. Commercial and industrial areas may be grouped as a second priority group, followed by recreational and agricultural areas as the third group. Low-cost magnetic field reduction measures will not be considered for undeveloped land, such as open space, state and national parks, and Bureau of Land Management and U.S. Forest Service lands. When spending for low-cost measures would otherwise disallow equitable magnetic field reduction for all areas within a single land-use class, prioritization can be achieved by

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32 CPUC Decision 06-01-042, p. 10

33 CPUC Decision 93-11-013, § 3.3.2, p.10.

34 CPUC Decision 06-01-042, p. 10

considering location and/or density of permanently occupied structures on lands adjacent to the projects, as appropriate.

This FMP contains descriptions of various magnetic field models and the calculated results of magnetic field levels based on those models. These calculated results are provided only for purposes of identifying the relative differences in magnetic field levels among various transmission or subtransmission line design alternatives under a specific set of modeling assumptions and determining whether particular design alternatives can achieve magnetic field level reductions of 15 percent or more. The calculated results are not intended to be predictors of the actual magnetic field levels at any given time or at any specific location if and when the project is constructed. This is because magnetic field levels depend upon a variety of variables, including load growth, customer electricity usage, and other factors beyond SCE's control. The CPUC affirmed this in D. 06-01-042 stating:

> "Our [CPUC] review of the modeling methodology provided in the utility [EMF] design guidelines indicates that it accomplishes its purpose, which is to measure the relative differences between alternative mitigation measures. Thus, the modeling indicates relative differences in magnetic field reductions between different transmission line construction methods, but does not measure actual environmental magnetic fields."[35]

[35] CPUC Decision 06-01-042, p. 11

IV. Project Description

Southern California Edison (SCE) is proposing to construct the Cal City 115 kV Substation Upgrade Project. The Proposed Project would occur in portions of the City of California City and surrounding areas of unincorporated Kern County, unincorporated San Bernadino County, and Edwards Air Force Base (EAFB) (Figure 1). The Proposed Project consists of two new subtransmission lines: one line from Kramer Substation to Cal City Substation and one three-terminal line connecting Cal City Substation, and Edwards Substation, and Holgate Switchyard. The Proposed Project also includes minor upgrades for the three related substations and the switchyard.

The Proposed Project would include two new 115 kV subtransmission lines, which are anticipated to be built on new structures within the approximately 70-mile total alignment. However, existing structures adjacent to Cal City, Edwards, and Kramer Substations, and Holgate Switchyard may be modified to accommodate the new lines connecting into the substations. The location, quantities, and dimensions of existing structures that may be modified adjacent to substations will be determined later.

New subtransmission structures (i.e., tubular steel poles (TSPs), light-weight steel (LWS) poles, and guy stub TSPs) would be installed for the Proposed Project. TSPs are engineered structures constructed from galvanized steel; the design of a given TSP is specific to the location and engineering considerations. TSPs would be either installed on a drilled, poured-in-place, concrete foundation, or would be installed on drilled micro-piles. LWS poles are structures constructed from galvanized steel; LWS poles are non-engineered wood pole-equivalents. LWS poles would be direct-buried.

As part of the Proposed Project, new non-specular 954 Standard Aluminum Conductor (SAC) and/or Aluminum Core Steel Reinforced (ACSR) would be installed along the lengths of the new Kramer-Cal City and Cal City-Edwards-Holgate 115 kV Subtransmission Lines. The conductor would have a diameter of approximately 1.124 or 1.165 inches, respectively. Approximately 70 circuit miles of new 954 SAC and/or ACSR would be installed. Optical Ground Wire (OPGW) would be installed along the lengths of the new Kramer-Cal City and Cal City-Edwards-Holgate 115 kV Subtransmission Lines. The OPGW would have a diameter of approximately 0.773 inches. Approximately 70 miles of new OPGW would be installed overhead at the top of structures. Portions of the existing 115 kV subtransmission pole line are shared by both 33 kV and 12 kV distribution circuits.

The following facilities would be installed in the new Kramer-Cal City 115 kV Subtransmission Line:

- Approximately 685 single-circuit LWS poles and TSPs with approximate heights between 40 and 132 feet above ground.
- Approximately 42 circuit miles of new 954 SAC and/or ACSR in a single-circuit configuration on new structures.
- Approximately 42 miles of OPGW on new structures.

The following facilities would be installed in the new Cal City-Edwards-Holgate 115 kV Subtransmission Line:

- Approximately 463 single-circuit LWS poles and TSPs with approximate heights between 40 and 109 feet above ground.
- Approximately 28 circuit miles of new 954 SAC Magnolia and/or ACSR single circuit on new structures.
- Approximately 28 miles of OPGW on new structures.

Kramer-Cal City Subtransmission Line

The proposed route for the Kramer-Cal City Line would exit the west side of the Kramer Substation, turn north, cross over the US Highway 395/CA State Route 58 Highway interchange and run approximately 18 miles north along the west side of the existing utility corridor containing the Bureau of Land Management (BLM) West-Kramer 220 kV transmission line, Kramer-Inyokern-Randsburg #3 115 kV Subtransmission Line, and Kramer-Inyokern-Randsburg #1 115 kV Subtransmission Line. At the intersection of Cuddeback Road and the existing utility corridor in unincorporated San Bernadino County, the overhead subtransmission line would turn west/southwest for approximately 13.9 miles roughly paralleling 20 Mule Team Parkway and Cuddeback Road (entering California City). The line would continue west another 7.3 miles to Rudnick Boulevard before turning south for 1.8 miles south along the west side of 90th Street to the termination at Cal City Substation, located in California City.

Cal City-Edwards-Holgate Subtransmission Line

The proposed route for the Cal City-Edwards-Holgate Line exits Cal City Substation, located in California City, from the north and run approximately 0.3 miles north along the west side of 90th Street to Lindbergh Boulevard where it would turn east. From Lindbergh Boulevard, the line would continue east for approximately 2.5 miles before turning south for about 2.9 through open land, leaving California City into unincorporated Kern County and turning southeast just north of the intersection of 115th Street and California City Boulevard. The line follows on the north side of California City Boulevard and continues southeast where the Boulevard turns to the south. After approximately 3.3 miles, the line turns south at Joshua Boulevard, extending approximately 3.1 miles to the intersection of 140th Street and Suckow Road. At this intersection, this line taps into two directions.

The tap towards Holgate Switchyard turns west along Suckow Road for approximately 4 miles before turning northeast for approximately 1.4 miles from the intersection of Suckow Road and Schultz Road to the intersection of Alomar Street and an unnamed dirt road. The tap continues east just north of the dirt road for approximately 3 miles to Gephart Road before turning south for approximately 2 miles on the west side of Gephart Road. At this location, the line turns east for approximately 2 miles before entering the south side of the Holgate Substation. This tap is in unincorporated Kern County, crossing through North Edwards.

The tap towards Edwards Substation continues through unincorporated Kern County an additional approximately 2 miles south along 140th Street (which turns into Rosamond Boulevard at the interchange with CA State Route 58) on to Edwards Air Force Base. The line turns southwest running just north of the existing Edwards-Holgate-South Base 115 kV Subtransmission Line. After approximately 0.8 miles, the line turns south for approximately 0.5 miles before terminating

on the north side of Edwards Substation adjacent to the Edwards-Holgate-South Base 115 kV Subtransmission Line.

Cal City Substation Improvements

- Expand the existing substation by approximately 10 acres
- Install new five-position 115 kV switchrack with five positions initially equipped
- Install new five-position 33 kV switchrack with five positions initially equipped
- Install new 21-position 12 kV switchrack with 19 positions initially equipped
- Install two 115 kV/33kV, 28 MVA transformers
- Install four 115 kV/12 kV, 28 MVA transformers
- Install one 115 kV, 28.8 MVAR capacitor
- Install two 33 kV, 4.8 MVAR capacitors
- Install four 12 kV, 4.8 MVAR capacitors

Kramer Substation Improvements

- Equip one existing 115 kV line position
- Convert two 115 kV bank positions to a double bus, double breaker configuration
- Expand existing 115 kV switchrack to a breaker-and-a-half configuration

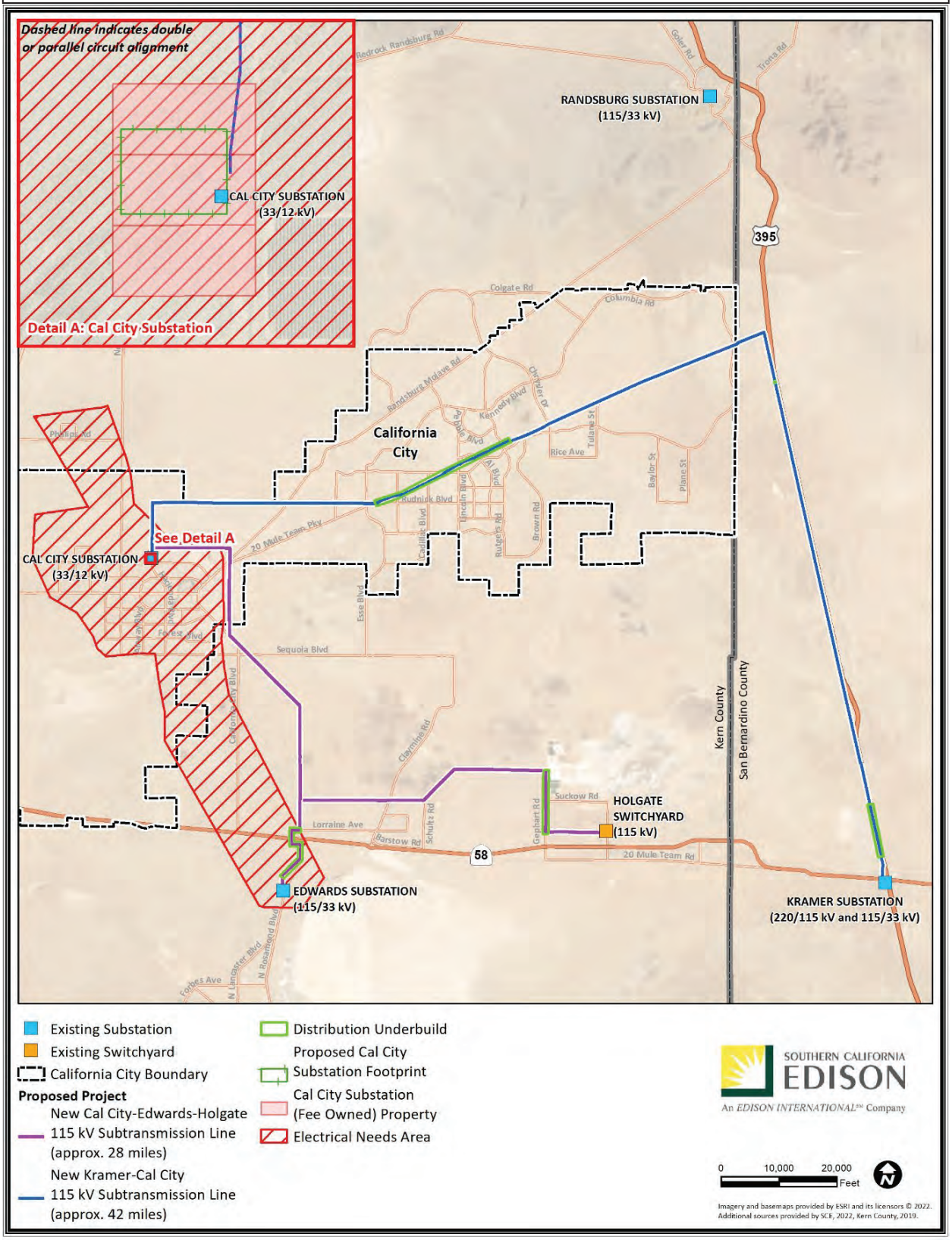
Edwards Substation Improvements

- Equip one existing 115 kV line position
- Expand existing 115 kV switchrack to a breaker-and-a-half configuration
- Convert two 115 kV bank positions to a double bus, double breaker configuration
- Install or upgrade protection for two 115 kV lines and two buses

Holgate Switchyard Improvements

- Equip one existing 115 kV line position

Figure 1. Proposed Cal City Substation 115 kV Upgrade Project Line Routes



V. Evaluation of "No-Cost and Low-Cost" Magnetic Field Reduction Design Options

Please note that the following magnetic field models and the calculated results of magnetic field levels are intended only for purposes of identifying the relative differences in magnetic field levels among various subtransmission line and subtransmission line design alternatives under a specific set of modeling assumptions (see §VII-Appendix A for more detailed information about the calculation assumptions and loading conditions) and determining whether particular design alternatives can achieve magnetic field level reductions of 15 percent or more. The calculated results are not intended to be predictors of the actual magnetic field levels at any given time or at any specific location when the Project is constructed.

For the purpose of evaluating "no-cost and low-cost" magnetic field reduction design options, the evaluation of magnetic fields associated with the Project has been divided into the two lines that contain similar magnetic field models. This section has been split into two parts: Part 1 covers the Subtransmission Lines and Part 2 covers the Substations.

Part 1: Subtransmission Lines

Kramer-Cal City 115 kV:

This portion of the evaluation would consist of the standard delta Kramer-Cal City 115 kV Subtransmission Line which would consist of one SCE circuit with single-circuit overhead construction on LWS poles. The proposed design is shown in Figure 2 with recommended phasing. Portions of this line parallel an existing transmission corridor that was not separately analyzed as it is in undeveloped land.

For EMF analysis, calculated field levels were evaluated at a distance of approximately 25 feet away from the center of the structures. Presently, there are no schools adjacent to the Kramer-Cal City line. The proposed route for the Kramer-Cal City line is adjacent to residential (scarcely populated), commercial/industrial, recreational, and undeveloped land in Kern County and San Bernardino County.

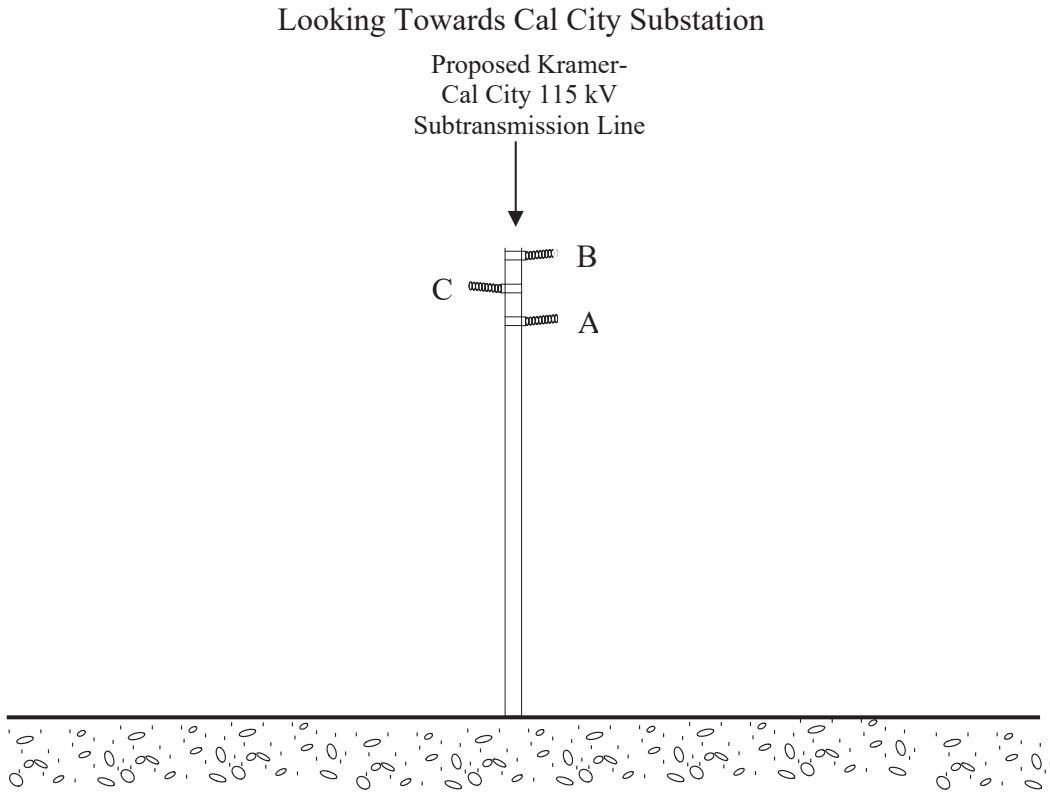
No-Cost Field Reduction Measures: The proposed design for the delta structures for the Kramer-Cal City line includes the following no-cost field reduction measures:

1. Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria.

2. Utilize subtransmission line construction that reduces the space between conductors as compared with other designs.

Low-Cost Field Reduction Options: Because the proposed design incorporates the above no-cost field reduction measures that meet SCE's preferred design criteria, no low- cost reduction measures were considered for this section of the Project.

Figure 2. Proposed 115 kV Single-Circuit Structure Design – Kramer-Cal City[36]



Magnetic Field Calculations: Figure 3 and Table 2 show the calculated magnetic field levels for the proposed design. These calculations were made using the proposed LWS pole with an overall minimum length of 80 feet.

[36] Figure is not to scale.

Figure 3. Calculated Magnetic Field Levels[37] for the Proposed Kramer-Cal City 115 kV Subtransmission Line (Two Conductor Side to North or East)

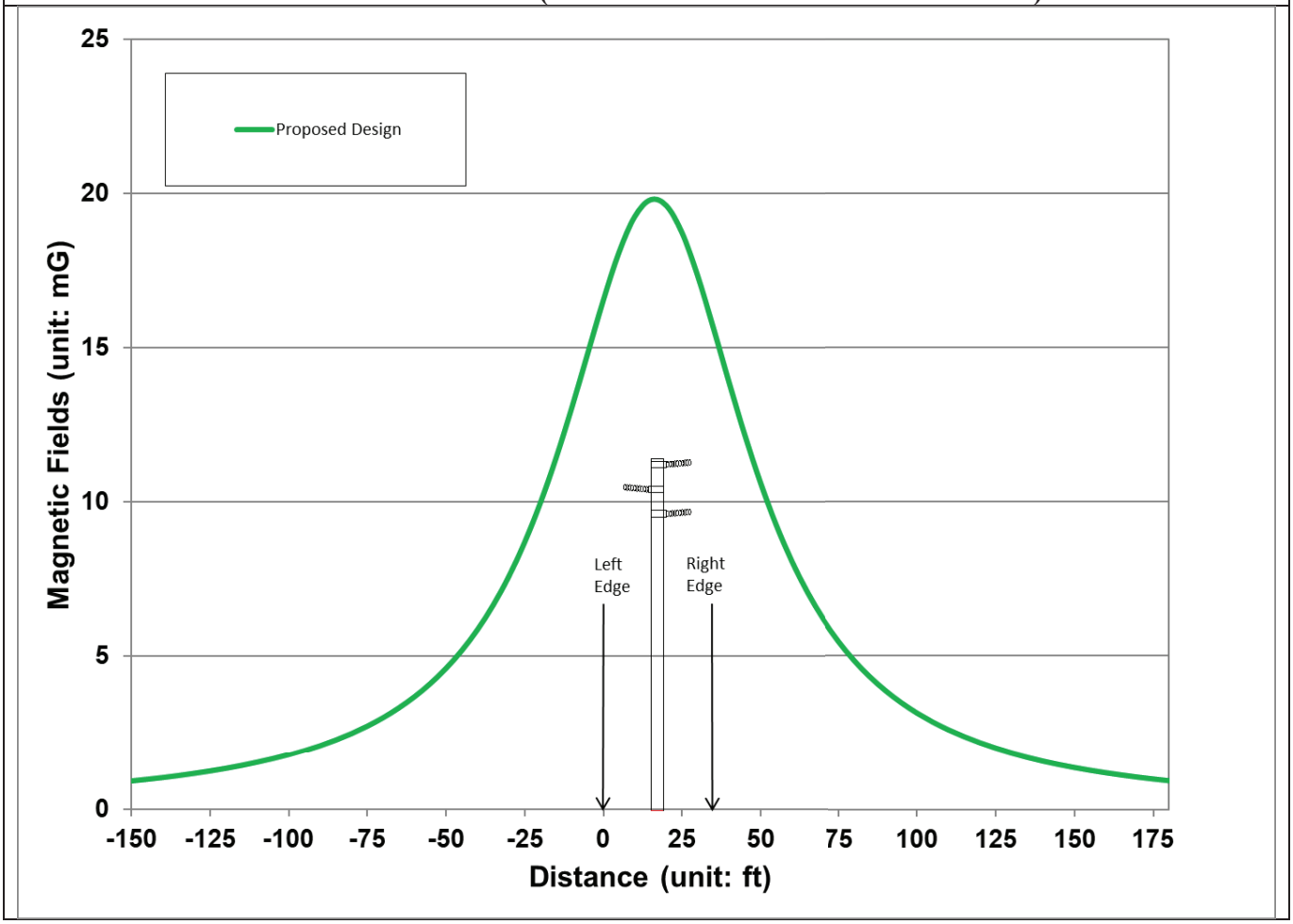


Table 2. Calculated Magnetic Field Levels[38] for Kramer-Cal City

Design Options	Left Edge of Evaluation (mG)	% Reduction	Right Edge of Evaluation (mG)	% Reduction
Existing	N/A	-	N/A	-
Proposed	16.5	-	17.3	-

Recommendations for the Kramer-Cal City Line: *The proposed design includes no-cost field reduction measures. Because the proposed design already incorporates structures with heights meeting or exceeding SCE's preferred design criteria and utilizes subtransmission line*

37 This figure shows calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

38 This table lists calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

construction that reduces the space between conductors as compared with other designs, no low-cost field reduction measures are recommended.

Cal City-Edwards-Holgate 115 kV:

This portion of the evaluation consists of the Cal City-Edwards-Holgate 115 kV Subtransmission Line which would consist of one SCE circuit with single-circuit overhead construction. The proposed design is shown in Figure 4 with the proposed phasing.

For EMF analysis, calculated field levels were evaluated at a distance of approximately 25 feet away from the center of the structures. Presently, there are no schools adjacent to the Cal City-Edwards-Holgate Line. The proposed route for the Cal City-Edwards-Holgate Line is adjacent to residential (scarcely populated), commercial/industrial, and undeveloped land.

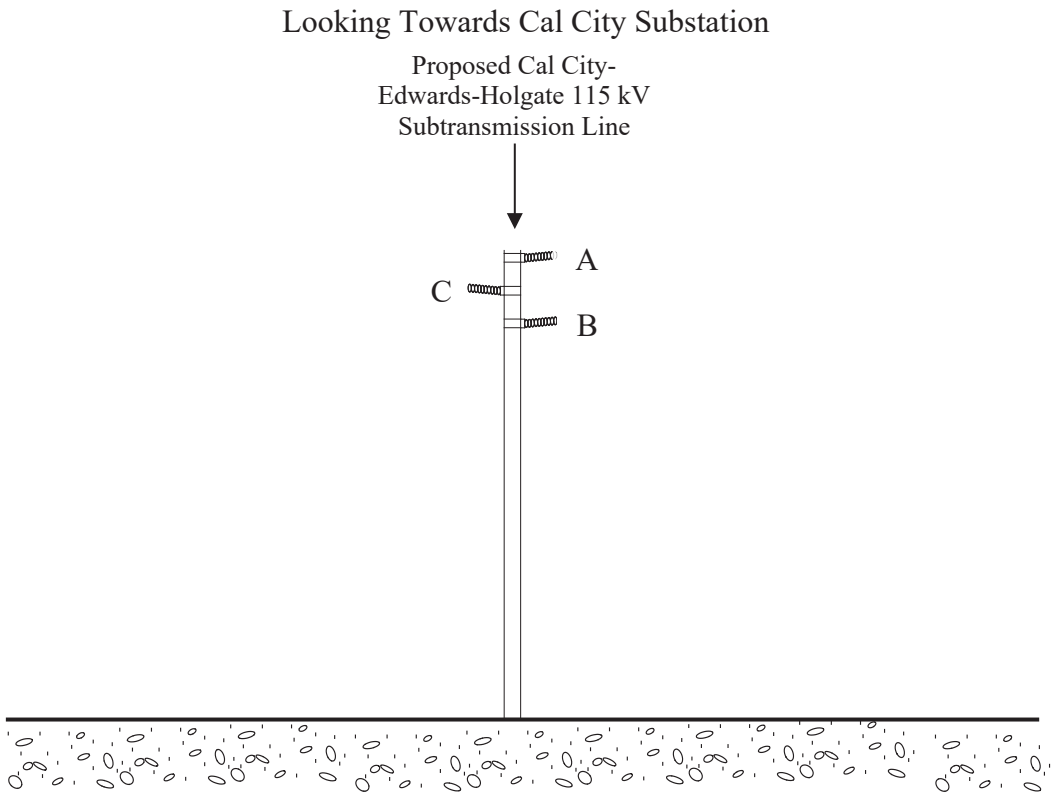
No-Cost Field Reduction Measures: The proposed design for the delta structures for the Cal City-Edwards-Holgate Line includes the following no-cost field reduction measures:

1. Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria.

2. Utilize subtransmission line construction that reduces the space between conductors as compared with other designs.

Low-Cost Field Reduction Options: Because the proposed design incorporates the above no-cost field reduction measures that meet SCE's preferred design criteria, no low- cost reduction measures were considered for this section of the Project.

Figure 4. Proposed 115 kV Single-Circuit Structure Design – Cal City-Edwards-Holgate 115 kV Subtransmission Line[39]



Magnetic Field Calculations: Figure 5 and Table 3 show the calculated magnetic field levels for the proposed design. These calculations were made using the proposed LWS pole with a minimum overall length of 80 feet.

[39] Figure is not to scale.

Figure 5. Calculated Magnetic Field Levels[40] for Proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line

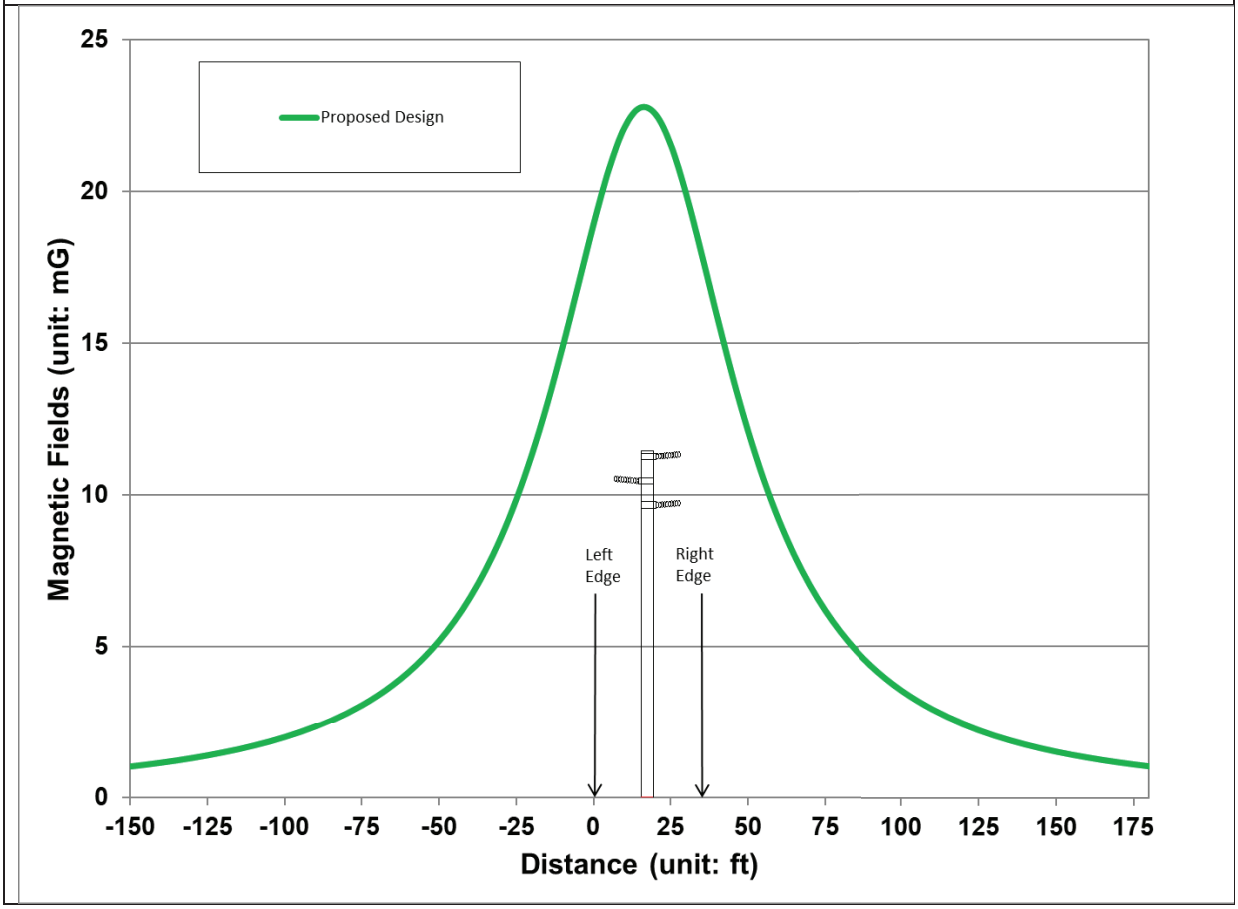


Table 3. Calculated Magnetic Field Levels[41] for Cal City-Edwards-Holgate

Design Options	Left Edge of Evaluation (mG)	% Reduction	Right Edge of Evaluation (mG)	% Reduction
Existing	N/A	-	N/A	-
Proposed	18.9	-	19.9	-

Recommendations for the Cal City-Edwards-Holgate Line: *The proposed design includes the no-cost field reduction measure of incorporating structures with heights meeting or exceeding SCE's preferred design in the Project design.*

Part 2: Substations and Switchyard

40 This figure shows calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

41 This table lists calculated magnetic field levels for design comparison only and is not meant to predict actual magnetic field levels.

Generally, magnetic field values along the substation perimeter are low compared to the substation interior because of the distance from the perimeter to the energized equipment. Normally, the highest magnetic field values around the perimeter of a substation result from overhead power lines and underground duct banks entering and leaving the substation and are not caused by substation equipment. Therefore, the magnetic field reduction design options generally applicable to a substation project are as follows:

- Site selection for a new substation.
- Setback of substation structures and major substation equipment (such as bus, transformers, and underground cable duct banks, etc.) from perimeter.
- Field reduction for transmission lines and subtransmission lines entering and exiting the substation.

Only the proposed Cal City 115/33 kV Substation was reviewed as the other stations have minor work (terminal upgrades) that would not modify equipment that could utilize no-cost or low-cost mitigation measures.

Cal City 115/33 and 115/12 kV Substation

The proposed Cal City 115/33 kV Substation will be built in the location of the expanded Cal City 33/12 kV Substation. A Substation Checklist, as shown in Table 4 for the proposed Cal City 115/33 kV Substation, is used for evaluating the no-cost and low-cost design options considered for the substation project, the design options adopted, and reasons that certain design options were not adopted if applicable.

Table 4. Cal City Substation Checklist for Examining No-cost and Low-cost Magnetic Field Reduction Design Options

No.	No-Cost and Low-Cost Magnetic Field Reduction Design Options Evaluated for a Substation Project	Design Options Adopted? (Yes/No)	Reason(s) if not Adopted
1	Are 115 kV rated transformer(s) 15 feet or more from the substation property line?	Yes	
2	Are 115 kV rated switch-racks, capacitor banks & bus 8 feet (or more) from the substation property line?	Yes	
3	Are transfer & operating buses configured with the transfer bus facing the nearest property line?	Yes, on 33 and 12 kV only[42]	
4	Are underground cable duct banks greater than 12 feet from side of property line?	Yes	

[42] The 115 kV switchrack is a breaker-and-a-half configuration

VI. Final Recommendations for Implementing "No-Cost and Low-Cost" Magnetic Field Reduction Design Options

In accordance with the "EMF Design Guidelines", filed with the CPUC in compliance with CPUC Decisions 93-11-013 and 06-01-042, SCE would implement the following "no-cost and low-cost" magnetic field reduction design options for the Project:

Kramer-Cal City – The proposed Kramer-Cal City 115 kV Subtransmission Line would be single-circuit construction:

- Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria.
- Utilize subtransmission line construction that reduces the space between conductors as compared with other designs.
- Arrange the phase conductors of the proposed Kramer-Cal City 115 kV Subtransmission Line as **B-C-A** top to bottom, as shown in Figure 2 due to nearby lines for portions of the project.

Cal City-Edwards-Holgate – The proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line would be single-circuit construction:

- Utilize subtransmission structure heights that meet or exceed SCE's preferred EMF design criteria.
- Utilize subtransmission line construction that reduces the space between conductors as compared with other designs.
- Arrange the phase conductors of the proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line as **A-C-B** top to bottom, as shown in Figure 4 due to nearby lines for portions of the project.

Cal City Substation:

- Place major substation electrical equipment (such as transformers, switchracks, buses and underground duct banks) away from the substation property lines.
- Configure the transfer and operating buses with the transfer bus closest to the nearest property line (for 33 and 12 kV only).

NOTE: It is acceptable to deviate from the proposed pole-head configuration or structural types for a few structures in all segments for constructability or engineering reasons. Deviation from the proposed design for a few structures would not have a significant impact to EMF levels.

The recommended "no-cost and low-cost" magnetic field reduction design options listed above are based upon preliminary engineering design, and therefore, they are subject to change during the final engineering design. If the preliminary engineering design is significantly modified (in the context of evaluating and implementing CPUC's "no-cost and low-cost" EMF Policy), then an Addendum to the FMP will be prepared.

SCE's plan for applying the above "no-cost and low-cost" magnetic field reduction design options uniformly for the Project is consistent with the CPUC's EMF Decisions No. 93-11-013 and No. 06-01-042. Furthermore, the recommendations above meet the CPUC approved EMF Design Guidelines as well as all applicable national and state safety standards for new electrical facilities.

VII. Appendix A: Two-Dimensional Model Assumptions and Year 2028 Forecasted Loading Conditions

Magnetic Field Model Assumptions:

SCE uses a computer program titled "MFields"[43] to model the magnetic field characteristics of various transmission designs options. All magnetic field models and the calculated results of magnetic field levels presented in this document are intended only for purposes of identifying the relative differences in magnetic field levels among various transmission line and subtransmission line design alternatives under a specific set of modeling assumptions and determining whether particular design alternatives can achieve magnetic field level reductions of 15 percent or more. The calculated results are not intended to be predictors of the actual magnetic field levels at any given time or at any specific location if and when the Project is constructed.

Typical two-dimensional magnetic field modeling assumptions include:

- All transmission and subtransmission lines were modeled using forecasted peak loads (see Table 5).
- All conductors were assumed to be straight and infinitely long.
- Average conductor heights accounted for line sag used in the calculation for the subtransmission line designs.
- Magnetic field strength was calculated at a height of three feet above ground.
- Resultant magnetic fields values were presented in this FMP.
- All line currents were assumed to be balanced. (i.e., neutral or ground currents are not considered).
- Terrain was assumed to be flat.
- Project dominant power flow directions were used.

43 SCE, MFields for Excel, Version 2.0, 2007.

Table 5. Year 2028 Forecasted Loading Conditions for Proposed Project (After Project Completion)		
Line Name	**Current (Amps)**	**Power Flow Direction**
Kramer-Cal City 115 kV	375	Kramer to Cal City
Cal City-Edwards-Holgate 115 kV	423	Holgate to Cal City

Notes:

1. Forecasted loading data is based upon scenarios representing load forecasts for 2028. The forecasting data is subject to change depending upon availability of generations, load increase, changes in load demand, and by many other factors.

Appendix E
Supplemental Visual Simulations

ESA

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esassoc.com

memorandum

date	February 6, 2025
to	Boris Sanchez, CPUC Project Manager
cc	Matt Fagundes, ESA Project Manager
from	Dave Davis, AICP, Aesthetics Analyst
subject	Cal City Substation 115 kV Subtransmission Upgrade Project

As part of its visual impact assessment for the Cal City Substation 115 kV Upgrade Project (Project), the U.S. Bureau of Land Management (BLM) has selected seven key observation points (KOPs) upon which to base its assessment. The Southern California Edisson (SCE) team prepared calibrated visual simulations of the Project as viewed from these KOPs and shared them with CPUC, the Lead Agency for the Project's review under the California Environmental Quality Act (CEQA). CPUC requested the ESA team review the new SCE KOPs to determine whether any of those would provide additional and useful information for the CEQA analysis beyond the KOPs SCE included in its Proponent's Environmental Assessment (PEA) and responses to CPUC Data Request No. 2, Question 19 (DR2, Q19). Following is a summary of our review.

BLM KOP 1 is a view similar to PEA KOP 3. In both views, the Project may be seen from public roads and other publicly accessible vantage points in residential neighborhoods. The distinction is that BLM KOP 1 is closer to the Project, parallels an existing line, and BLM land is adjacent to the east of the Project, where that is not the case at PEA KOP 3. PEA KOP 3 shows two lines where none previously existed, creating the significant visual impact. Based on the existing view from BLM KOP 1 with an existing line in place, the project would not create a significant impact because the visual change, or contrast, would not be as strong as that shown in PEA KOP 3.

BLM KOP 2 is not in the vicinity of any PEA KOPs, but does not demonstrate usefulness for the CEQA analysis due to the lack of viewers, distance, and intervening topography.

BLM KOP 3 is a view looking west-southwest on 20-Mule Team Parkway from its intersection with US 395. The visual character of this view is considered similar to PEA KOP 2. Both views exhibit uninterrupted visual distance and perspective, although the visual background at PEA KOP 2 is the Tehachapi Mountains, whereas the background at BLM KOP 3 is defined by the level horizon line. The high level of visual contrast would constitute a significant visual impact to BLM KOP 3, as well. The Project would create a similar visual contrast at either KOP and be representative of views along 20-Mule Team Parkway altogether.

In other cases, BLM selected KOPs showing similar visual character to others previously provided by SCE. These include BLM KOP 4 on northbound U.S. Highway 395 (US 395) and BLM KOP 5 on westbound State Route 58. These are similar to PEA KOPs 5 and 4, respectively. These BLM KOPs provide an alternate view of the project and would support CPUC's impact findings at PEA KOP's 4 and 5.

BLM included CPUC's EIR KOP 6 (called KOP X in SCE's response to CPUC DR2, Q19) for its assessment. As it is a redundant KOP, it is not included herein.

BLM KOP 7 seems to represent the visual conditions near Sequoia Boulevard at the northern terminus of Claymine Road at Aerial Acres. This is a view of the Sequoia Boulevard Alternative in CPUC's CEQA analysis. This viewpoint can be added to further support CPUC's Alternatives Analysis.

Based on this brief review, ESA finds that:

- although CPUC's impact findings would not change, the BLM KOPs 1, 3, 4, 5, and 7 would provide further support of CPUC's findings for the reasons presented above;
- BLM KOP 2 does not add meaningfully to the CEQA analysis; and,
- the BLM KOPs more appropriately represent BLM's interests in the area and are more appropriate for BLM's purposes.

BLM KOP 1
Existing View

BLM KOP 1
Simulated View

BLM KOP 2
Existing View

BLM KOP 2
Simulated View

BLM KOP 3
Existing View

BLM KOP 3
Simulated View

BLM KOP 4
Existing View

BLM KOP 4
Simulated View

BLM KOP 5
Existing View

BLM KOP 5
Simulated View

BLM KOP 7
Existing View

BLM KOP 7
Simulated View

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Air Quality and GHG Calculations

F.1 Air Quality and GHG Calculations

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Table 1: Off-Road Equipment Load Factors

OFFROAD Equipment Type	Load Factor
Aerial Lifts	0.31
Air Compressors	0.48
Bore/Drill Rigs	0.5
Cement and Mortar Mixers	0.56
Concrete/Industrial Saws	0.73
Cranes	0.29
Crawler Tractors	0.43
Crushing/Proc. Equipment	0.78
Dumpers/Tenders	0.38
Excavators	0.38
Forklifts	0.2
Generator Sets	0.74
Graders	0.41
Off-Highway Tractors	0.44
Off-Highway Trucks	0.38
Other Construction Equipment	0.42
Other General Industrial Equipment	0.34
Other Material Handling Equipment	0.4
Pavers	0.42
Paving Equipment	0.36
Plate Compactors	0.43
Pressure Washers	0.3
Pumps	0.74
Rollers	0.38
Rough Terrain Forklifts	0.4
Rubber Tired Dozers	0.4
Rubber Tired Loaders	0.36
Scrapers	0.48
Signal Boards	0.82
Skid Steer Loaders	0.37
Surfacing Equipment	0.3
Sweepers/Scrubbers	0.46
Tractors/Loaders/Backhoes	0.37
Trenchers	0.5
Welders	0.45

Table 2: EMFAC Emissions Inventory - Fuel Consumption

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	Trips	Fuel Consumption	Efficiency
Mojave De	2026	HHDT	Aggregate	Aggregate	Gasoline	2.601353971	250.3644621	250.3645	52.04789	0.060151451	4.162234825
Mojave De	2026	HHDT	Aggregate	Aggregate	Diesel	23928.20652	4859779.952	4859780	499597.7	758.7295637	6.405154333
Mojave De	2026	LDA	Aggregate	Aggregate	Gasoline	462708.843	20209754.63	20209755	2135154	663.3371136	30.46679315
Mojave De	2026	LDA	Aggregate	Aggregate	Diesel	1460.843806	50976.74178	50976.74	6182.119	1.180918036	43.1670448
Mojave De	2026	LDT1	Aggregate	Aggregate	Gasoline	45073.82859	1601409.534	1601410	192561.9	63.93211847	25.04859173
Mojave De	2026	LDT1	Aggregate	Aggregate	Diesel	20.01305166	278.7500758	278.7501	55.04773	0.011618831	23.99123287
Mojave De	2026	LDT2	Aggregate	Aggregate	Gasoline	210889.0678	9038523.995	9038524	980202.7	360.9557241	25.04053376
Mojave De	2026	LDT2	Aggregate	Aggregate	Diesel	695.8737162	31560.83296	31560.83	3323.286	0.933659789	33.80335463
Mojave De	2026	MHDT	Aggregate	Aggregate	Gasoline	1259.679439	97246.75507	97246.76	25203.67	18.54194752	5.244689372
Mojave De	2026	MHDT	Aggregate	Aggregate	Diesel	5509.727402	309820.5124	309820.5	72730.66	33.39013051	9.278805073
Mojave De	2027	HHDT	Aggregate	Aggregate	Gasoline	2.320028659	254.8804909	254.8805	46.41913	0.059364961	4.29344997
Mojave De	2027	HHDT	Aggregate	Aggregate	Diesel	24426.34887	4948143.329	4948143	509569.6	756.9397742	6.537037023
Mojave De	2027	LDA	Aggregate	Aggregate	Gasoline	459757.2704	20186775.73	20186776	2120578	650.9687603	31.01036019
Mojave De	2027	LDA	Aggregate	Aggregate	Diesel	1320.639421	46265.81785	46265.82	5598.851	1.060938752	43.60837775
Mojave De	2027	LDT1	Aggregate	Aggregate	Gasoline	43707.40137	1566659.747	1566660	186852.4	61.53163334	25.46104601
Mojave De	2027	LDT1	Aggregate	Aggregate	Diesel	9.817062215	135.8698588	135.8699	27.17907	0.005470517	24.83674813
Mojave De	2027	LDT2	Aggregate	Aggregate	Gasoline	214067.2753	9220877.945	9220878	994766.5	360.5946957	25.57130777
Mojave De	2027	LDT2	Aggregate	Aggregate	Diesel	720.9690392	32673.67988	32673.68	3435.529	0.949798804	34.40063278
Mojave De	2027	MHDT	Aggregate	Aggregate	Gasoline	1236.089934	97049.0121	97049.01	24731.69	18.30148175	5.302795338
Mojave De	2027	MHDT	Aggregate	Aggregate	Diesel	5609.352113	312606.5367	312606.5	74119	33.46739879	9.340628432
Mojave De	2028	HHDT	Aggregate	Aggregate	Gasoline	1.856213052	252.0934483	252.0934	37.13911	0.056320806	4.476026983
Mojave De	2028	HHDT	Aggregate	Aggregate	Diesel	24870.24851	5031727.319	5031727	518531.5	754.0201282	6.673200264
Mojave De	2028	LDA	Aggregate	Aggregate	Gasoline	457118.798	20165747.64	20165748	2107717	638.143977	31.60062364
Mojave De	2028	LDA	Aggregate	Aggregate	Diesel	1191.21259	41835.55005	41835.55	5055.988	0.947827416	44.13836245
Mojave De	2028	LDT1	Aggregate	Aggregate	Gasoline	42476.50491	1535066.269	1535066	181740.3	59.21428008	25.92392016
Mojave De	2028	LDT1	Aggregate	Aggregate	Diesel	5.624729926	83.33001437	83.33001	15.64313	0.003268881	25.49190471
Mojave De	2028	LDT2	Aggregate	Aggregate	Gasoline	217295.8772	9393152.164	9393152	1009331	359.7104011	26.1130958
Mojave De	2028	LDT2	Aggregate	Aggregate	Diesel	744.8150089	33681.53581	33681.54	3539.574	0.962322404	35.00026154
Mojave De	2028	MHDT	Aggregate	Aggregate	Gasoline	1209.868959	96262.841	96262.84	24207.06	17.96149016	5.359401705
Mojave De	2028	MHDT	Aggregate	Aggregate	Diesel	5680.769713	313980.3031	313980.3	75126.06	33.35593854	9.413025591

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Air Basin
Region: Mojave Desert
Calendar Year: 2026, 2027, 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Table 3: On-Road Fuel Efficiency (gallons/mile)

Vehicle Category	Year	Fuel	Efficiency	Lookup
passenger	2026	Gasoline	26.40	passenger_Gasoline
vendor	2026	Gasoline	5.24	vendor_Gasoline
hhdt	2026	Gasoline	4.16	hhdt_Gasoline
passenger	2026	Diesel	31.24	passenger_Diesel
vendor	2026	Diesel	9.28	vendor_Diesel
hhdt	2026	Diesel	6.41	hhdt_Diesel

Table 4: EMFAC On-Road Emissions

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	NOx_RUNEX	NOx_IDLEX	NOx_STREX	PM2.5_RUNEX	PM2.5_IDLEX	PM2.5_STREX	PM2.5_PMTW	PM2.5_PMBW	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_PMTW	PM10_PMBW	CO2_RUNEX	CO2_IDLEX	CO2_STREX
Mojave Desert	2026	HHDT	Aggregate	Aggregate	Gasoline	2.601353971	250.3644621	250.3645	0	52.04789	5.808478592	0	0.137523506	0.002173804	0	0.001401871	0.005000001	0.027630042	0.00236421	0	0.001524662	0.020000006	0.078942978	2056.00481	0	52.60063585
Mojave Desert	2026	HHDT	Aggregate	Aggregate	Diesel	23928.20652	4859779.952	4859780	0	499597.7	1.418451337	112.6486907	2.451694226	0.031566355	0.04164883	0	0.008980791	0.025186858	0.032993646	0.043532006	0	0.035923165	0.071962451	1477.65902	21905.74467	0
Mojave Desert	2026	LDA	Aggregate	Aggregate	Gasoline	462708.843	20209754.63	20209755	0	2135154	0.038116337	0	0.239030759	0.001080729	0	0.001841784	0.002000001	0.002030836	0.001175392	0	0.002003108	0.008000002	0.00580239	275.2452527	0	67.49364612
Mojave Desert	2026	LDA	Aggregate	Aggregate	Diesel	1460.843806	50976.74178	50976.74	0	6182.119	0.195476687	0	0	0.014462408	0	0	0.002000001	0.002125883	0.015116334	0	0	0.008000002	0.00607395	235.2600227	0	0
Mojave Desert	2026	LDT1	Aggregate	Aggregate	Gasoline	45073.82859	1601409.534	1601410	0	192561.9	0.172327829	0	0.453846666	0.001843407	0	0.003095652	0.002000001	0.002477287	0.002004873	0	0.003366804	0.008000002	0.007077964	332.8355854	0	88.32293602
Mojave Desert	2026	LDT1	Aggregate	Aggregate	Diesel	20.01305166	278.7500758	278.7501	0	55.04773	1.671471723	0	0	0.235587785	0	0	0.002000001	0.002760214	0.24624002	0	0	0.008000002	0.007886325	423.2996275	0	0
Mojave Desert	2026	LDT2	Aggregate	Aggregate	Gasoline	210889.0678	9038523.995	9038524	0	980202.7	0.066553777	0	0.317977733	0.001106664	0	0.001870473	0.002000001	0.00233454	0.001203598	0	0.00203431	0.008000002	0.006670113	334.4844004	0	83.74695312
Mojave Desert	2026	LDT2	Aggregate	Aggregate	Diesel	695.8737162	31560.83296	31560.83	0	3323.286	0.041208089	0	0	0.004284144	0	0	0.002000001	0.002284747	0.004477854	0	0	0.008000002	0.006527849	300.428169	0	0
Mojave Desert	2026	MHDT	Aggregate	Aggregate	Gasoline	1259.679439	97246.75507	97246.76	0	25203.67	0.343342768	0.085036851	0.41274928	0.000971198	0	0.000479137	0.003000001	0.014765656	0.001056267	0	0.000521105	0.012000003	0.042187588	1621.778328	533.0039657	44.99080724
Mojave Desert	2026	MHDT	Aggregate	Aggregate	Diesel	5509.727402	309820.5124	309820.5	0	72730.66	0.714849732	10.88351684	1.401078531	0.00990329	0.018707913	0	0.003000001	0.014762851	0.010351073	0.019553802	0	0.012000003	0.042179573	1058.91463	1999.976879	0
Mojave Desert	2027	HHDT	Aggregate	Aggregate	Gasoline	2.320028659	254.8804909	254.8805	0	46.41913	5.195793845	0	0.137405773	0.001883148	0	0.001242059	0.005000001	0.027494182	0.002048096	0	0.001350852	0.020000006	0.078554806	1994.250254	0	52.27519205
Mojave Desert	2027	HHDT	Aggregate	Aggregate	Diesel	24426.34887	4948143.329	4948143	0	509569.6	1.382037983	110.5404815	2.43734898	0.031346736	0.041400367	0	0.008981098	0.025457705	0.032764096	0.043272307	0	0.035924393	0.0727363	1447.656994	21447.02009	0
Mojave Desert	2027	LDA	Aggregate	Aggregate	Gasoline	459757.2704	20186775.73	20186776	0	2120578	0.035270594	0	0.22984728	0.001042968	0	0.00178114	0.002000001	0.002026402	0.001134323	0	0.001937152	0.008000002	0.005789721	270.4865634	0	66.06248936
Mojave Desert	2027	LDA	Aggregate	Aggregate	Diesel	1320.639421	46265.81785	46265.82	0	5598.851	0.167326686	0	0	0.012254857	0	0	0.002000001	0.002132748	0.012808967	0	0	0.008000002	0.006093565	232.879104	0	0
Mojave Desert	2027	LDT1	Aggregate	Aggregate	Gasoline	43707.40137	1566659.747	1566660	0	186852.4	0.155227053	0	0.428545237	0.001730303	0	0.002911537	0.002000001	0.002469338	0.001881862	0	0.003166563	0.008000002	0.007055252	327.6046927	0	86.25548546
Mojave Desert	2027	LDT1	Aggregate	Aggregate	Diesel	9.817062215	135.8698588	135.8699	0	27.17907	1.42976606	0	0	0.207568963	0	0	0.002000001	0.002671691	0.21695431	0	0	0.008000002	0.007633403	408.889275	0	0
Mojave Desert	2027	LDT2	Aggregate	Aggregate	Gasoline	214067.2753	9220877.945	9220878	0	994766.5	0.060411888	0	0.301023149	0.001060864	0	0.001800274	0.002000001	0.002328717	0.001153787	0	0.001957962	0.008000002	0.006653478	327.6217187	0	81.69598706
Mojave Desert	2027	LDT2	Aggregate	Aggregate	Diesel	720.9690392	32673.67988	32673.68	0	3435.529	0.037154658	0	0	0.004037995	0	0	0.002000001	0.002287363	0.004220575	0	0	0.008000002	0.006535324	295.2120097	0	0
Mojave Desert	2027	MHDT	Aggregate	Aggregate	Gasoline	1236.089934	97049.0121	97049.01	0	24731.69	0.294399852	0.082965771	0.399920756	0.000970966	0	0.000467676	0.003000001	0.014776606	0.001056014	0	0.00050864	0.012000003	0.042218874	1604.350135	528.4081149	44.29633594
Mojave Desert	2027	MHDT	Aggregate	Aggregate	Diesel	5609.352113	312606.5367	312606.5	0	74119	0.648256641	10.31506196	1.392480201	0.009100471	0.015284469	0	0.003000001	0.014776589	0.009511954	0.015975565	0	0.012000003	0.042218826	1051.700304	1980.461751	0
Mojave Desert	2028	HHDT	Aggregate	Aggregate	Gasoline	1.856213052	252.0934483	252.0934	0	37.13911	4.52597103	0	0.133422504	0.001424418	0	0.000961507	0.005000001	0.027217923	0.001549184	0	0.001045727	0.020000006	0.077765494	1914.36201	0	52.09590683
Mojave Desert	2028	HHDT	Aggregate	Aggregate	Diesel	24870.24851	5031727.319	5031727	0	518531.5	1.355457289	108.7052481	2.411630934	0.031263278	0.04120122	0	0.008981471	0.02571418	0.032676865	0.043064157	0	0.035925884	0.073469086	1417.983971	21010.148	0
Mojave Desert	2028	LDA	Aggregate	Aggregate	Gasoline	457118.798	20165747.64	20165748	0	2107717	0.032896485	0	0.221837777	0.00099053	0	0.001709378	0.002000001	0.002025646	0.001077292	0	0.001859104	0.008000002	0.005787561	265.4792968	0	64.72454565
Mojave Desert	2028	LDA	Aggregate	Aggregate	Diesel	1191.21259	41835.55005	41835.55	0	5055.988	0.144582932	0	0	0.010435836	0	0	0.002000001	0.002138091	0.010907698	0	0	0.008000002	0.006108831	230.0828434	0	0
Mojave Desert	2028	LDT1	Aggregate	Aggregate	Gasoline	42476.50491	1535066.269	1535066	0	181740.3	0.139315104	0	0.403830288	0.001608714	0	0.002737394	0.002000001	0.002463965	0.001749623	0	0.002977165	0.008000002	0.0070399	321.8817055	0	84.27397949
Mojave Desert	2028	LDT1	Aggregate	Aggregate	Diesel	5.624729926	83.33001437	83.33001	0	15.64313	1.299702209	0	0	0.188553119	0	0	0.002000001	0.002574893	0.197078654	0	0	0.008000002	0.007356836	398.3805861	0	0
Mojave Desert	2028	LDT2	Aggregate	Aggregate	Gasoline	217295.8772	9393152.164	9393152	0	1009331	0.055151693	0	0.286763986	0.00100134	0	0.001717237	0.002000001	0.002329121	0.001089049	0	0.001867652	0.008000002	0.006654633	320.8747142	0	79.85052532
Mojave Desert	2028	LDT2	Aggregate	Aggregate	Diesel	744.8150089	33681.53581	33681.54	0	3539.574	0.034547041	0	0	0.003921321	0	0	0.002000001	0.002295171	0.004098626	0	0	0.008000002	0.006557631	290.1544015	0	0
Mojave Desert	2028	MHDT	Aggregate	Aggregate	Gasoline	1209.868959	96262.841	96262.84	0	24207.06	0.251995978	0.080705142	0.383304487	0.000970854	0	0.000457445	0.003000001	0.014777541	0.001055892	0	0.000497513	0.012000003	0.042221547	1587.677998	523.9420039	43.62384786
Mojave Desert	2028	MHDT	Aggregate	Aggregate	Diesel	5680.769713	313980.3031	313980.3	0	75126.06	0.590046151	9.798132199	1.365706746	0.008442451	0.012600829	0	0.003000001	0.014776884	0.008824181	0.013170583	0	0.012000003	0.042219669	1043.376554	1962.036584	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: Air Basin
Region: Mojave Desert
Calendar Year: 2026, 2027, 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

CH4_RUNEX	CH4_IDLEX	CH4_STREX	N2O_RUNEX	N2O_IDLEX	N2O_STREX	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_HOTSOAK	ROG_RUNLOSS	ROG_DIURN	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_HOTSOAK	TOG_RUNLOSS	TOG_DIURN	NH3_RUNEX	CO_RUNEX	CO_IDLEX	CO_STREX	SOx_RUNEX	SOx_IDLEX	SOx_STREX
0.17831663	0	0.000152581	0.177889075	0	0.004828393	1.059091105	0	0.000791372	0.108167538	0.965009061	8.59173664	1.545423254	0	0.000866453	0.108167538	0.965009061	8.59173664	0.043885267	62.2118646	0	3.706269428	0.020325701	0	0.000520011
0.000565375	0.460721063	0	0.23280578	3.451258994	0	0.012172371	9.919198147	0	0	0	0	0.013857318	11.29225203	0	0	0	0	0.21980135	0.040278354	146.308008	0	0.013992547	0.207434303	0
0.002089662	0	0.066169484	0.004524356	0	0.032439385	0.007660023	0	0.291370403	0.090157529	0.244017508	1.623468542	0.011177487	0	0.319013916	0.090157529	0.244017508	1.623468542	0.035885892	0.698575175	0	2.917434927	0.00272108	0	0.000667243
0.001108517	0	0	0.037065312	0	0	0.023865712	0	0	0	0	0	0.027169527	0	0	0	0	0	0.0031	0.314681128	0	0	0.002229208	0	0
0.00781586	0	0.124792792	0.011938926	0	0.041869859	0.034874247	0	0.660243069	0.228738836	0.680086298	3.991604606	0.05088842	0	0.722883055	0.228738836	0.680086298	3.991604606	0.038352494	1.747546889	0	6.405576544	0.003290419	0	0.000873162
0.014018346	0	0	0.066691029	0	0	0.30180674	0	0	0	0	0	0.343586908	0	0	0	0	0	0.0031	2.022434993	0	0	0.004010979	0	0
0.002709728	0	0.078516234	0.005885538	0	0.036478059	0.010446671	0	0.357671694	0.086525988	0.251827162	1.679159396	0.015243758	0	0.391605484	0.086525988	0.251827162	1.679159396	0.037724096	0.811314245	0	3.455781881	0.003306719	0	0.000827924
0.000502625	0	0	0.04733258	0	0	0.010821225	0	0	0	0	0	0.012319246	0	0	0	0	0	0.0031	0.108317328	0	0	0.00284671	0	0
0.009109011	0.27284691	0.047274547	0.018766748	0.007636907	0.034140732	0.042801915	1.003938414	0.245319505	0.033282708	0.280504629	3.121938763	0.062456454	1.464944577	0.268593979	0.033282708	0.280504629	3.121938763	0.044996713	0.99641943	14.3703038	5.22433046	0.01603293	0.005269287	0.00044478
0.00061102	0.009446505	0	0.166832431	0.315097172	0	0.013155089	0.203380669	0	0	0	0	0.014976068	0.23153341	0	0	0	0	0.215110807	0.052866128	6.77931435	0	0.010027288	0.018938585	0
0.150000432	0	0.000160158	0.166035639	0	0.005048134	0.866461298	0	0.000830215	0.099529569	0.889703343	8.003547601	1.264338292	0	0.000908981	0.099529569	0.889703343	8.003547601	0.044237713	51.30180025	0	3.947732936	0.019715194	0	0.000516793
0.000555284	0.460049614	0	0.228078949	3.37898675	0	0.011955109	9.904742036	0	0	0	0	0.013609981	11.27579485	0	0	0	0	0.219821557	0.038045258	146.141166	0	0.013708446	0.203090455	0
0.001940576	0	0.062762723	0.004341535	0	0.031717125	0.006998116	0	0.273752601	0.087410622	0.242432695	1.604222677	0.010211635	0	0.29972464	0.087410622	0.242432695	1.604222677	0.036667726	0.66762851	0	2.774203993	0.002674035	0	0.000653095
0.000986228	0	0	0.036690198	0	0	0.021232907	0	0	0	0	0	0.024172253	0	0	0	0	0	0.0031	0.303370851	0	0	0.002206648	0	0
0.007072454	0	0.116871925	0.010986742	0	0.040617023	0.031360201	0	0.612742743	0.216486988	0.640863081	3.810437227	0.045760732	0	0.670876176	0.216486988	0.640863081	3.810437227	0.03851872	1.607060243	0	5.956473529	0.003238706	0	0.000852723
0.012677991	0	0	0.064420672	0	0	0.272949682	0	0	0	0	0	0.310735066	0	0	0	0	0	0.0031	2.250033244	0	0	0.003874434	0	0
0.002521031	0	0.07436542	0.005556089	0	0.035537949	0.009580641	0	0.335310006	0.082994375	0.244985485	1.631181705	0.013980049	0	0.36712225	0.082994375	0.244985485	1.631181705	0.038350687	0.771427076	0	3.280317363	0.003238874	0	0.000807648
0.000496008	0	0	0.046510772	0	0	0.010678768	0	0	0	0	0	0.012157067	0	0	0	0	0	0.0031	0.108332984	0	0	0.002797284	0	0
0.007833373	0.275253364	0.046078803	0.016847431	0.007566973	0.033894858	0.036226601	1.005753463	0.236113985	0.03131405	0.267773914	2.99920433	0.052861771	1.467593092	0.258515093	0.03131405	0.267773914	2.99920433	0.045	0.829342264	14.3905163	5.013342156	0.015860634	0.005223852	0.000437914
0.000550171	0.009030191	0	0.165695811	0.312022555	0	0.011845032	0.19441754	0	0	0	0	0.013484668	0.22132957	0	0	0	0	0.215877721	0.049294172	6.77280544	0	0.009958973	0.018753788	0
0.112468032	0	0.000178995	0.153205347	0	0.004740093	0.612280882	0	0.000927603	0.078916782	0.705151265	6.452781807	0.893438826	0	0.001015608	0.078916782	0.705151265	6.452781807	0.045	33.87272486	0	4.65399985	0.018925417	0	0.000515021
0.000548393	0.459696228	0	0.223403952	3.310157374	0	0.011806757	9.897133728	0	0	0	0	0.013441094	11.26713337	0	0	0	0	0.219840398	0.036300774	146.066804	0	0.01342746	0.198953538	0
0.001804073	0	0.059659109	0.004185614	0	0.031075945	0.006403203	0	0.25787497	0.084152462	0.238169018	1.570540084	0.009343538	0	0.282340633	0.084152462	0.238169018	1.570540084	0.0373984	0.639848662	0	2.646163022	0.002624533	0	0.000639868
0.000910805	0	0	0.036249646	0	0	0.0196091	0	0	0	0	0	0.022323656	0	0	0	0	0	0.0031	0.289172089	0	0	0.002180152	0	0
0.006388657	0	0.109483319	0.010108734	0	0.03940044	0.028151285	0	0.568629809	0.20646042	0.61480734	3.695009827	0.041078289	0	0.622578066	0.20646042	0.61480734	3.695009827	0.038710792	1.482549688	0	5.544289443	0.003182128	0	0.000833134
0.014148087	0	0	0.062765024	0	0	0.304599975	0	0	0	0	0	0.34676682	0	0	0	0	0	0.0031	2.493913585	0	0	0.003774859	0	0
0.002349602	0	0.070670898	0.005273557	0	0.034774304	0.008799261	0	0.31546081	0.078953545	0.234799177	1.564672274	0.012839861	0	0.345389879	0.078953545	0.234799177	1.564672274	0.038899236	0.737512281	0	3.128217028	0.003172173	0	0.000789404
0.000489242	0	0	0.045713944	0	0	0.01053309	0	0	0	0	0	0.011991223	0	0	0	0	0	0.0031	0.107346697	0	0	0.00274936	0	0
0.00676393	0.277364854	0.045015666	0.015055754	0.007475094	0.03313713	0.030687885	1.007459413	0.227750083	0.029236931	0.253611141	2.854173721	0.04477969	1.470082411	0.249357674	0.029236931	0.253611141	2.854173721	0.045	0.682578822	14.409519	4.808520639	0.015695813	0.0051797	0.000431266
0.000497694	0.008706309	0	0.164384401	0.309119663	0	0.010715222	0.187444435	0	0	0	0	0.012198465	0.213391221	0	0	0	0	0.216501797	0.046136243	6.76909648	0	0.009880152	0.018579313	0

Table 5: On-Road Exhaust and Wear (grams/mile)

Region	Calendar Year	Vehicle Category	Fuel	Concat	ROG_Mile	NOx_Mile	CO_Mile	SOx_Mile	PM10_Mile	PM2.5_Mile	CO2_Mile	CH4_Mile	N2O_Mile	TOG_Mile
Mojave Desert	2026	HHDT	Gasoline	HHDT_Gasoline	1.059091105	5.808478592	62.2118646	0.020325701	0.101307194	0.034803848	2056.00481	0.17831663	0.177889075	1.545423254
Mojave Desert	2026	HHDT	Diesel	HHDT_Diesel	0.012172371	1.418451337	0.040278354	0.013992547	0.140879261	0.065734004	1477.65902	0.000565375	0.23280578	0.013857318
Mojave Desert	2026	LDA	Gasoline	LDA_Gasoline	0.007660023	0.038116337	0.698575175	0.00272108	0.014977784	0.005111566	275.2452527	0.002089662	0.004524356	0.011177487
Mojave Desert	2026	LDA	Diesel	LDA_Diesel	0.023865712	0.195476687	0.314681128	0.002229208	0.029190286	0.018588291	235.2600227	0.001108517	0.037065312	0.027169527
Mojave Desert	2026	LDT1	Gasoline	LDT1_Gasoline	0.034874247	0.172327829	1.747546889	0.003290419	0.017082839	0.006320695	332.8355854	0.00781586	0.011938926	0.05088842
Mojave Desert	2026	LDT1	Diesel	LDT1_Diesel	0.30180674	1.671471723	2.022434993	0.004010979	0.262126347	0.240348	423.2996275	0.014018346	0.066691029	0.343586908
Mojave Desert	2026	LDT2	Gasoline	LDT2_Gasoline	0.010446671	0.066553777	0.811314245	0.003306719	0.015873713	0.005441204	334.4844004	0.002709728	0.005885538	0.015243758
Mojave Desert	2026	LDT2	Diesel	LDT2_Diesel	0.010821225	0.041208089	0.108317328	0.00284671	0.019005706	0.008568892	300.428169	0.000502625	0.04733258	0.012319246
Mojave Desert	2026	MHDT	Gasoline	MHDT_Gasoline	0.042801915	0.343342768	0.99641943	0.01603293	0.055243859	0.018736855	1621.778328	0.009109011	0.018766748	0.062456454
Mojave Desert	2026	MHDT	Diesel	MHDT_Diesel	0.013155089	0.714849732	0.052866128	0.010027288	0.064530649	0.027666141	1058.91463	0.00061102	0.166832431	0.014976068
Mojave Desert	2026	passenger	Gasoline	passenger_Gasolir	0.021963797	0.112331443	1.251245799	0.003152159	0.016254294	0.00579854	318.850206	0.005107777	0.008571936	0.032049521
Mojave Desert	2026	passenger	Diesel	passenger_Diesel	0.159575104	0.894907055	1.116967111	0.003274469	0.143112172	0.126963296	345.5718617	0.007411959	0.054444988	0.181665647
Mojave Desert	2026	vendor	Gasoline	vendor_Gasoline	0.042801915	0.343342768	0.99641943	0.01603293	0.055243859	0.018736855	1621.778328	0.009109011	0.018766748	0.062456454
Mojave Desert	2026	vendor	Diesel	vendor_Diesel	0.013155089	0.714849732	0.052866128	0.010027288	0.064530649	0.027666141	1058.91463	0.00061102	0.166832431	0.014976068
Mojave Desert	2026	hhdt	Gasoline	hhdt_Gasoline	1.059091105	5.808478592	62.2118646	0.020325701	0.101307194	0.034803848	2056.00481	0.17831663	0.177889075	1.545423254
Mojave Desert	2026	hhdt	Diesel	hhdt_Diesel	0.012172371	1.418451337	0.040278354	0.013992547	0.140879261	0.065734004	1477.65902	0.000565375	0.23280578	0.013857318

Table 6: On-Road Start Up and Evap (grams/trip)

Region	Calendar Year	Vehicle Category	Fuel	Concat	ROG_Trip	NOx_Trip	CO_Trip	SOx_Trip	PM10_Trip	PM2.5_Trip	CO2_Trip	CH4_Trip	N2O_Trip	TOG_Trip
Mojave Desert	2026	HHDT	Gasoline	HHDT_Gasoline	1.073967971	0.137523506	3.706269428	0.000520011	0.001524662	0.001401871	52.60063585	0.000152581	0.004828393	1.074043052
Mojave Desert	2026	HHDT	Diesel	HHDT_Diesel	0	2.451694226	0	0	0	0	0	0	0	0
Mojave Desert	2026	LDA	Gasoline	LDA_Gasoline	0.62554544	0.239030759	2.917434927	0.000667243	0.002003108	0.001841784	67.49364612	0.066169484	0.032439385	0.653188953
Mojave Desert	2026	LDA	Diesel	LDA_Diesel	0	0	0	0	0	0	0	0	0	0
Mojave Desert	2026	LDT1	Gasoline	LDT1_Gasoline	1.569068203	0.453846666	6.405576544	0.000873162	0.003366804	0.003095652	88.32293602	0.124792792	0.041869859	1.631708188
Mojave Desert	2026	LDT1	Diesel	LDT1_Diesel	0	0	0	0	0	0	0	0	0	0
Mojave Desert	2026	LDT2	Gasoline	LDT2_Gasoline	0.696024845	0.317977733	3.455781881	0.000827924	0.00203431	0.001870473	83.74695312	0.078516234	0.036478059	0.729958635
Mojave Desert	2026	LDT2	Diesel	LDT2_Diesel	0	0	0	0	0	0	0	0	0	0
Mojave Desert	2026	MHDT	Gasoline	MHDT_Gasoline	0.559106841	0.41274928	5.22433046	0.00044478	0.000521105	0.000479137	44.99080724	0.047274547	0.034140732	0.582381315
Mojave Desert	2026	MHDT	Diesel	MHDT_Diesel	0	1.401078531	0	0	0	0	0	0	0	0
Mojave Desert	2026	passenger	Gasoline	passenger_Gasolir	1.114926673	0.366175456	4.796092474	0.000810373	0.002692756	0.00247589	81.97161782	0.098567825	0.038164291	1.161640991
Mojave Desert	2026	passenger	Diesel	passenger_Diesel	0	0	0	0	0	0	0	0	0	0
Mojave Desert	2026	vendor	Gasoline	vendor_Gasoline	0.559106841	0.41274928	5.22433046	0.00044478	0.000521105	0.000479137	44.99080724	0.047274547	0.034140732	0.582381315
Mojave Desert	2026	vendor	Diesel	vendor_Diesel	0	1.401078531	0	0	0	0	0	0	0	0
Mojave Desert	2026	hhdt	Gasoline	hhdt_Gasoline	1.073967971	0.137523506	3.706269428	0.000520011	0.001524662	0.001401871	52.60063585	0.000152581	0.004828393	1.074043052
Mojave Desert	2026	hhdt	Diesel	hhdt_Diesel	0	2.451694226	0	0	0	0	0	0	0	0

Table 7: On-Road Start Idle and Evap (grams/vehicle/day)

Region	Calendar Year	Vehicle Category	Fuel	Concat	ROG_Vehicle	NOx_Vehicle	CO_Vehicle	SOx_Vehicle	PM10_Vehicle	PM2.5_Vehicle	CO2_Vehicle	CH4_Vehicle	N2O_Vehicle	TOG_Vehicle
Mojave Desert	2026	HHDT	Gasoline	HHDT_Gasoline	8.59173664	0	0	0	0	0	0	0	0	8.59173664
Mojave Desert	2026	HHDT	Diesel	HHDT_Diesel	9.919198147	112.6486907	146.3080083	0.207434303	0.043532006	0.04164883	21905.74467	0.460721063	3.451258994	11.29225203
Mojave Desert	2026	LDA	Gasoline	LDA_Gasoline	1.623468542	0	0	0	0	0	0	0	0	1.623468542
Mojave Desert	2026	LDA	Diesel	LDA_Diesel	0	0	0	0	0	0	0	0	0	0
Mojave Desert	2026	LDT1	Gasoline	LDT1_Gasoline	3.991604606	0	0	0	0	0	0	0	0	3.991604606
Mojave Desert	2026	LDT1	Diesel	LDT1_Diesel	0	0	0	0	0	0	0	0	0	0
Mojave Desert	2026	LDT2	Gasoline	LDT2_Gasoline	1.679159396	0	0	0	0	0	0	0	0	1.679159396
Mojave Desert	2026	LDT2	Diesel	LDT2_Diesel	0	0	0	0	0	0	0	0	0	0
Mojave Desert	2026	MHDT	Gasoline	MHDT_Gasoline	4.125877178	0.085036851	14.37030384	0.005269287	0	0	533.0039657	0.27284691	0.007636907	4.586883341
Mojave Desert	2026	MHDT	Diesel	MHDT_Diesel	0.203380669	10.88351684	6.779314352	0.018938585	0.019553802	0.018707913	1999.976879	0.009446505	0.315097172	0.23153341
Mojave Desert	2026	passenger	Gasoline	passenger_Gasolir	2.821459287	0	0	0	0	0	0	0	0	2.821459287
Mojave Desert	2026	passenger	Diesel	passenger_Diesel	0	0	0	0	0	0	0	0	0	0
Mojave Desert	2026	vendor	Gasoline	vendor_Gasoline	4.125877178	0.085036851	14.37030384	0.005269287	0	0	533.0039657	0.27284691	0.007636907	4.586883341
Mojave Desert	2026	vendor	Diesel	vendor_Diesel	0.203380669	10.88351684	6.779314352	0.018938585	0.019553802	0.018707913	1999.976879	0.009446505	0.315097172	0.23153341
Mojave Desert	2026	hhdt	Gasoline	hhdt_Gasoline	8.59173664	0	0	0	0	0	0	0	0	8.59173664
Mojave Desert	2026	hhdt	Diesel	hhdt_Diesel	9.919198147	112.6486907	146.3080083	0.207434303	0.043532006	0.04164883	21905.74467	0.460721063	3.451258994	11.29225203

Table 8: Entrained Road Dust Emission Factors - Paved (pounds/mile)

Paved	k	sL	W	p	N	Uncontrolled EF	Controled EF
PM10	1	0.1	2.4	2	365	0.000661537	0.000661537
PM2.5	0.25	0.1	2.4	2	365	0.000165384	0.000165384

Table 9: Entrained Road Dust Emission Factors - Unpaved (pounds/mile)

Unpaved	k	s	M	S2	C	p	Uncontrolled EF	Controled EF
PM10	1.8	8.5	0.5	40	0.00047	2	1.463708676	0.388614653
PM2.5	0.18	8.5	0.5	40	0.00036	2	0.146059583	0.038778819

Table 10: Grading Emission Factor (pounds/acre/day)

Pollutant	S	F	Wb	UC1	UC2	Uncontrolled EF	Controlled EF
PM10	7.1	0.6	12	43560	5280	1.060500375	0.413595146
PM2.5	7.1	0.031	12	43560	5280	0.114509168	0.044658576

Table 11: Bulldozing Emission Factor (pounds/hour)

Pollutant	C	s	M	F	Uncontrolled EF	Controlled EF
PM10	1	6.9	7.9	0.75	0.752760759	0.293576696
PM2.5	5.7	6.9	7.9	0.105	0.413778428	0.161373587

Table 12: Grading Efficiency by Equipment Type

Equipment	Acres Graded per 8 hours
Crawler Tractors	0.5
Graders	0.5
Rubber Tired Dozers	0.5
Scrapers	1

Table 13: Global Warming Potentials

Pollutant	GWP
CO2	1
CH4	25
N2O	298
SF6	23500

Table 14: Activity List

Index	Activity Name	Workforce	Start Date	End Date	Schedule Days
L-01	Staging Areas	16	3/2/2026	2/26/2028	597
L-02	Civil Crew (Road Work, Foundations, Ducts)	20	3/2/2026	2/27/2027	299
L-03	Civil Crew (Road Maintenance)	4	3/1/2027	2/26/2028	298
L-04	Structure Installation	42	6/1/2026	9/30/2026	101
L-05	Install Conductor/Cable	42	10/1/2026	7/14/2027	235
L-06	ADSS/OPGW Splicing	3	7/15/2027	8/19/2027	31
L-07	Restoration (at end of construction activities)	7	8/20/2027	11/27/2027	81
S-01	Cal City Substation Civil Crew (Site Grading)	32	3/2/2026	6/26/2026	83
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	26	6/29/2026	10/30/2026	87
S-03	Cal City Substation Civil Crew (Foundation)	25	7/6/2026	12/31/2026	123
S-04	Cal City Substation Electrical Crew	23	1/4/2027	10/1/2027	190
S-05	Cal City Substation Maintenance Crew	2	7/19/2027	9/10/2027	39
S-06	Cal City Substation Test Crew	2	7/19/2027	9/10/2027	39
S-07	Cal City Substation Test Crew and Wireman (Cutover)	4	9/13/2027	10/8/2027	20
S-08	Cal City Substation Demolition - Test Crew	6	10/18/2027	10/29/2027	10
S-09	Cal City Substation Demolition - Maintenance Crew	2	10/18/2027	10/29/2027	10
S-10	Cal City Substation Demolition - Electrical Crew	25	11/1/2027	12/31/2027	40
S-11	Cal City Substation Demolition - Civil Crew	17	1/3/2028	3/24/2028	58
S-12	Holgate Substation Civil Crew	13	4/26/2027	5/4/2027	7
S-13	Holgate Substation Electrical Crew	14	5/5/2027	5/28/2027	18
S-14	Kramer Substation Civil Crew (Foundations)	13	3/15/2027	4/30/2027	35
S-15	Kramer Substation Electrical Crew	17	5/3/2027	9/24/2027	102
S-16	Edwards Substation Civil Crew (Foundations)	21	2/1/2027	4/2/2027	44
S-17	Edwards Substation Electrical Crew	24	4/5/2027	10/8/2027	132

Table 15: Equipment List

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	On-Off	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day
1	L-01	Staging Areas	1-Ton Truck, 4x4	300	Diesel	4		NA	on	passenger		60	2	480	286560	8
2	L-01	Staging Areas	R/T Forklift	96	Diesel	4		4	off		Rough Terrain Forklifts					
3	L-01	Staging Areas	Generator	45	Diesel	4		8	off		Generator Sets					
4	L-01	Staging Areas	Water Truck	350	Diesel	4		NA	on	vendor		30	2	240	143280	8
5	L-02	Civil Crew (Road Work, Foundations, Ducts)	1-Ton Truck, 4x4	300	Diesel	7		NA	on	passenger		60	2	840	251160	14
6	L-02	Civil Crew (Road Work, Foundations, Ducts)	Backhoe/Front Loader	125	Diesel	4		4	off		Tractors/Loaders/Backhoes					
7	L-02	Civil Crew (Road Work, Foundations, Ducts)	Track Type Dozer	350	Diesel	2		8	off		Tractors/Loaders/Backhoes					
8	L-02	Civil Crew (Road Work, Foundations, Ducts)	Motor Grader	148	Diesel	2		8	off		Graders					
9	L-02	Civil Crew (Road Work, Foundations, Ducts)	Lowboy Truck/Trailer	500	Diesel	1		NA	on	hhdt		40	2	80	23920	2
10	L-02	Civil Crew (Road Work, Foundations, Ducts)	3/4-Ton Truck, 4x4	275	Gasoline	7		NA	on	passenger		60	2	840	251160	14
11	L-02	Civil Crew (Road Work, Foundations, Ducts)	Boom/Crane Truck	367	Diesel	1		4	off		Cranes					
12	L-02	Civil Crew (Road Work, Foundations, Ducts)	Auger Truck/Drill Rig	83	Diesel	2		6	off		Bore/Drill Rigs					
13	L-02	Civil Crew (Road Work, Foundations, Ducts)	Water Truck	350	Diesel	2		NA	on	vendor		30	2	120	35880	4
14	L-02	Civil Crew (Road Work, Foundations, Ducts)	Excavator	172	Diesel	1		4	off		Excavators					
15	L-02	Civil Crew (Road Work, Foundations, Ducts)	Dump Truck	350	Diesel	1		NA	on	hhdt		40	2	80	23920	2
16	L-02	Civil Crew (Road Work, Foundations, Ducts)	Concrete Mixer Truck	425	Diesel	7		NA	on	vendor		40	2	560	167440	14
17	L-03	Civil Crew (Road Maintenance)	Motor Grader	148	Diesel	1		8	off		Graders					
18	L-03	Civil Crew (Road Maintenance)	Water Truck	350	Diesel	1		NA	on	vendor		30	2	60	17880	2
19	L-03	Civil Crew (Road Maintenance)	1-Ton Truck, 4x4	300	Diesel	1		NA	on	passenger		60	2	120	35760	2
20	L-04	Structure Installation	3/4-Ton Truck, 4x4	275	Gasoline	7		NA	on	passenger		60	2	840	84840	14
21	L-04	Structure Installation	Boom/Crane Truck	367	Diesel	7		6	off		Cranes					
22	L-04	Structure Installation	Flat Bed Pole Truck	400	Diesel	1		NA	on	vendor		40	2	80	8080	2
23	L-04	Structure Installation	Water Truck	350	Diesel	2		NA	on	vendor		30	2	120	12120	4
24	L-04	Structure Installation	Backhoe/Frontloader	125	Diesel	4		8	off		Tractors/Loaders/Backhoes					
25	L-04	Structure Installation	Manlift/Bucket Truck	250	Diesel	14		8	off		Aerial Lifts					
26	L-04	Structure Installation	1-Ton Truck, 4x4	300	Diesel	7		NA	on	passenger		60	2	840	84840	14
27	L-04	Structure Installation	Compressor Trailer	60	Diesel	1		4	off		Other Construction Equipment					
28	L-04	Structure Installation	R/T Crane	367	Diesel	7		8	off		Cranes					
29	L-04	Structure Installation	Jet A Fuel Truck	300	Diesel	1		NA	on	vendor		40	2	80	8080	2
30	L-04	Structure Installation	Helicopter Support Truck	300	Diesel	1		NA	on	vendor		40	2	80	8080	2
31	L-04	Structure Installation	Helicopter	NA	Jet A	1		6	NA							
32	L-05	Install Conductor/Cable	3/4-Ton Truck, 4x4	275	Gasoline	7		NA	on	passenger		60	2	840	197400	14
33	L-05	Install Conductor/Cable	1-Ton Truck, 4x4	300	Diesel	7		NA	on	passenger		60	2	840	197400	14
34	L-05	Install Conductor/Cable	Manlift/Bucket Truck	250	Diesel	14		8	off		Aerial Lifts					
35	L-05	Install Conductor/Cable	Boom/Crane Truck	367	Diesel	7		8	off		Cranes					
36	L-05	Install Conductor/Cable	Dump Truck	350	Diesel	1		NA	on	hhdt		40	2	80	18800	2
37	L-05	Install Conductor/Cable	Wire Truck/Trailer	82	Diesel	2		8	off		Other Construction Equipment					
38	L-05	Install Conductor/Cable	Sock Line Puller	82	Diesel	2		8	off		Other Construction Equipment					
39	L-05	Install Conductor/Cable	Bull Wheel Puller	82	Diesel	1		8	off		Other Construction Equipment					
40	L-05	Install Conductor/Cable	Hydraulic Rewind Puller	82	Diesel	1		8	off		Other Construction Equipment					
41	L-05	Install Conductor/Cable	Static Truck/ Tensioner	82	Diesel	2		8	off		Other Construction Equipment					
42	L-05	Install Conductor/Cable	Backhoe/Front Loader	125	Diesel	4		4	off		Tractors/Loaders/Backhoes					
43	L-05	Install Conductor/Cable	Track Type Dozer	350	Diesel	2		8	off		Tractors/Loaders/Backhoes					
44	L-05	Install Conductor/Cable	Water Truck	350	Diesel	2		NA	on	vendor		30	2	120	28200	4
45	L-05	Install Conductor/Cable	Jet A Fuel Truck	300	Diesel	1		NA	on	vendor		40	2	80	18800	2
46	L-05	Install Conductor/Cable	Helicopter Support Truck	300	Diesel	1		NA	on	vendor		40	2	80	18800	2
47	L-05	Install Conductor/Cable	Light Helicopter	NA	Jet A	1		8	NA							
48	L-05	Install Conductor/Cable	Conductor Splicing Rig	82	Diesel	1		8	off		Other Construction Equipment					
49	L-05	Install Conductor/Cable	Fiber Splicing Lab	82	Diesel	1		8	off		Other Construction Equipment					
50	L-06	ADSS/OPGW Splicing	Manlift/Bucket Truck	250	Diesel	1		9	off		Aerial Lifts					
51	L-06	ADSS/OPGW Splicing	Splice Lab Truck	350	Diesel	1		NA	on	passenger		40	2	80	2480	2
52	L-06	ADSS/OPGW Splicing	Foreman Truck	300	Diesel	1		NA	on	passenger		60	2	120	3720	2
53	L-07	Restoration (at end of construction activities)	1-Ton Truck, 4x4	300	Diesel	2		NA	on	passenger		60	2	240	19440	4
54	L-07	Restoration (at end of construction activities)	Backhoe/Front Loader	125	Diesel	1		8	off		Tractors/Loaders/Backhoes					
55	L-07	Restoration (at end of construction activities)	Motor Grader	148	Diesel	1		4	off		Graders					
56	L-07	Restoration (at end of construction activities)	Water Truck	350	Diesel	1		NA	on	vendor		30	2	60	4860	2
57	L-07	Restoration (at end of construction activities)	Drum Type Compactor	100	Diesel	1		4	off		Rollers					
58	L-07	Restoration (at end of construction activities)	Lowboy Truck/Trailer	500	Diesel	1		NA	on	hhdt		40	2	80	6480	2
59	S-01	Cal City Substation Civil Crew (Site Grading)	Water Truck	350	diesel	6	80	NA	on	vendor		10	2	120	9600	12
60	S-01	Cal City Substation Civil Crew (Site Grading)	Grader	148	Diesel	2	60	5	off		Graders					
61	S-01	Cal City Substation Civil Crew (Site Grading)	Dump Trucks	370	Diesel	4	60	NA	on	hhdt		40	2	320	19200	8
62	S-01	Cal City Substation Civil Crew (Site Grading)	Compactor	75	Diesel	3	70	5	off		Rollers					
63	S-01	Cal City Substation Civil Crew (Site Grading)	980 Loader/Scraper	275	Diesel	3	70	7.5	off		Scrapers					
64	S-01	Cal City Substation Civil Crew (Site Grading)	Tractors/Backhoe	85	Diesel	2	80	5	off		Tractors/Loaders/Backhoes					
65	S-01	Cal City Substation Civil Crew (Site Grading)	Survey Truck	345	Gasoline	1	30	NA	on	passenger		60	2	120	3600	2
66	S-01	Cal City Substation Civil Crew (Site Grading)	Soils Test Crew Truck	345	Gasoline	1	60	NA	on	passenger		40	2	80	4800	2
67	S-01	Cal City Substation Civil Crew (Site Grading)	3/4 Crew Pick-up Truck	345	Gasoline	3	120	NA	on	passenger		60	2	360	43200	6

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	On-Off	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day
68	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Water Truck	350	Diesel	2	80	NA	on	vendor		10	2	40	3200	4
69	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Tractors/Backhoe	85	Diesel	2	80	5	off		Tractors/Loaders/Backhoes					
70	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Grader	148	Diesel	2	60	5	off		Graders					
71	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Dump Trucks	370	Diesel	4	60	NA	on	hhdt		40	2	320	19200	8
72	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Compactor	75	Diesel	1	70	5	off		Rollers					
73	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	980 Loader/Scraper	275	Diesel	1	40	7.5	off		Scrapers					
74	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Excavator	172	Diesel	1	40	7.5	off		Excavators					
75	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Survey Truck	345	Gasoline	1	70	NA	on	passenger		60	2	120	8400	2
76	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Soils Test Crew Truck	345	Gasoline	1	60	NA	on	passenger		40	2	80	4800	2
77	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	3/4 Crew Pick-up Truck	345	Gasoline	4	80	NA	on	passenger		60	2	480	38400	8
78	S-03	Cal City Substation Civil Crew (Foundation)	Driller	83	Diesel	2	80	7.5	off		Bore/Drill Rigs					
79	S-03	Cal City Substation Civil Crew (Foundation)	3/4 Crew Pick-up Truck	345	Gasoline	3	120	NA	on	passenger		60	2	360	43200	6
80	S-03	Cal City Substation Civil Crew (Foundation)	14-ton Crane	270	Diesel	2	60	7.5	off		Cranes					
81	S-03	Cal City Substation Civil Crew (Foundation)	Dump Trucks	370	Diesel	4	80	NA	on	hhdt		40	2	320	25600	8
82	S-03	Cal City Substation Civil Crew (Foundation)	Tractors/Backhoe	85	Diesel	2	80	7.5	off		Tractors/Loaders/Backhoes					
83	S-03	Cal City Substation Civil Crew (Foundation)	Forklift	174	Diesel	2	100	5	off		Forklifts					
84	S-03	Cal City Substation Civil Crew (Foundation)	Ditch Digger	13	Diesel	1	80	5	off		Trenchers					
85	S-03	Cal City Substation Civil Crew (Foundation)	Generator	13.5	Diesel	2	20	7.5	off		Generator Sets					
86	S-04	Cal City Substation Electrical Crew	Truck Crane	367	Diesel	2	60	7.5	off		Cranes					
87	S-04	Cal City Substation Electrical Crew	Foreman Truck	345	Gasoline	1	180	NA	on	passenger		60	2	120	21600	2
88	S-04	Cal City Substation Electrical Crew	Manlifts	60	Diesel	4	140	7.5	off		Aerial Lifts					
89	S-04	Cal City Substation Electrical Crew	5-Ton Truck	220	Gasoline	1	100	NA	on	passenger		40	2	80	8000	2
90	S-04	Cal City Substation Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	180	NA	on	passenger		60	2	480	86400	8
91	S-04	Cal City Substation Electrical Crew	14-ton crane	270	Diesel	2	80	7.5	off		Cranes					
92	S-04	Cal City Substation Electrical Crew	Forklift	174	Diesel	2	120	5	off		Forklifts					
93	S-04	Cal City Substation Electrical Crew	150 Ton Crane	367	Diesel	1	40	7.5	off		Cranes					
94	S-05	Cal City Substation Maintenance Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	40	NA	on	passenger		60	2	120	4800	2
95	S-05	Cal City Substation Maintenance Crew	Gas/Processing Trailer	NA	NA	1	30	7.5	NA							
96	S-06	Cal City Substation Test Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	40	NA	on	passenger		60	2	120	4800	2
97	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	345	Gasoline	1	40	NA	on	passenger		60	2	120	4800	2
98	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	345	Gasoline	1	40	NA	on	passenger		60	2	120	4800	2
99	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	10	NA	on	passenger		60	2	120	1200	2
100	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	10	NA	on	passenger		60	2	120	1200	2
101	S-09	Cal City Substation Demolition - Maintenance Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	10	NA	on	passenger		60	2	120	1200	2
102	S-09	Cal City Substation Demolition - Maintenance Crew	Gas/Processing Trailer	NA	NA	1	10	7.5	NA							
103	S-10	Cal City Substation Demolition - Electrical Crew	Truck Crane	367	Diesel	2	20	7.5	off		Cranes					
104	S-10	Cal City Substation Demolition - Electrical Crew	Foreman Truck	345	Gasoline	1	60	NA	on	passenger		60	2	120	7200	2
105	S-10	Cal City Substation Demolition - Electrical Crew	Manlifts	60	Diesel	4	40	7.5	off		Aerial Lifts					
106	S-10	Cal City Substation Demolition - Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	60	NA	on	passenger		60	2	480	28800	8
107	S-10	Cal City Substation Demolition - Electrical Crew	14-ton crane	270	Diesel	2	15	7.5	off		Cranes					
108	S-10	Cal City Substation Demolition - Electrical Crew	Forklift	174	Diesel	2	60	5	off		Forklifts					
109	S-10	Cal City Substation Demolition - Electrical Crew	150 Ton Crane	367	Diesel	1	10	7.5	off		Cranes					
110	S-11	Cal City Substation Demolition - Civil Crew	3/4 Crew Pick-up Truck	345	Gasoline	3	60	NA	on	passenger		60	2	360	21600	6
111	S-11	Cal City Substation Demolition - Civil Crew	Dump Trucks	370	Diesel	4	60	NA	on	hhdt		40	2	320	19200	8
112	S-11	Cal City Substation Demolition - Civil Crew	Tractors/Backhoe	85	Diesel	3	60	7.5	off		Tractors/Loaders/Backhoes					
113	S-11	Cal City Substation Demolition - Civil Crew	Forklift	174	Diesel	2	60	5	off		Forklifts					
114	S-12	Holgate Substation Civil Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	20	NA	on	passenger		60	2	480	9600	8
115	S-12	Holgate Substation Civil Crew	Tractors/Backhoe	85	Diesel	1	20	5	off		Tractors/Loaders/Backhoes					
116	S-12	Holgate Substation Civil Crew	Ditch Digger	13	Diesel	1	10	5	off		Trenchers					
117	S-12	Holgate Substation Civil Crew	Dump Trucks	370	Diesel	1	20	NA	on	hhdt		40	2	80	1600	2
118	S-13	Holgate Substation Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	20	NA	on	passenger		60	2	480	9600	8
119	S-13	Holgate Substation Electrical Crew	14-ton crane	270	Diesel	1	15	5	off		Cranes					
120	S-13	Holgate Substation Electrical Crew	Manlifts	60	Diesel	1	15	7.5	off		Aerial Lifts					
121	S-13	Holgate Substation Electrical Crew	Forklift	174	Diesel	1	20	5	off		Forklifts					
122	S-13	Holgate Substation Electrical Crew	Gas/Processing Trailer	NA	NA	1	5	7.5	NA							
123	S-14	Kramer Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	345	Gasoline	4	45	NA	on	passenger		60	2	480	21600	8
124	S-14	Kramer Substation Civil Crew (Foundations)	14 Ton Crane	270	Diesel	1	10	7.5	off		Cranes					
125	S-14	Kramer Substation Civil Crew (Foundations)	Dump Trucks	370	Diesel	1	40	NA	on	hhdt		40	2	80	3200	2
126	S-14	Kramer Substation Civil Crew (Foundations)	Tractors/Backhoe	85	Diesel	1	40	7.5	off		Tractors/Loaders/Backhoes					
127	S-14	Kramer Substation Civil Crew (Foundations)	Forklift	174	Diesel	1	40	5	off		Forklifts					
128	S-14	Kramer Substation Civil Crew (Foundations)	Ditch Digger	13	Diesel	1	20	5	off		Trenchers					
129	S-15	Kramer Substation Electrical Crew	Foreman Truck	345	Gasoline	1	90	NA	on	passenger		60	2	120	10800	2
130	S-15	Kramer Substation Electrical Crew	Manlifts	60	Diesel	2	80	7.5	off		Aerial Lifts					
131	S-15	Kramer Substation Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	90	NA	on	passenger		60	2	480	43200	8
132	S-15	Kramer Substation Electrical Crew	14-ton crane	270	Diesel	1	60	7.5	off		Cranes					
133	S-15	Kramer Substation Electrical Crew	Forklift	174	Diesel	1	60	5	off		Forklifts					
134	S-15	Kramer Substation Electrical Crew	Gas/Processing Trailer	NA	NA	1	5	7.5	NA							
135	S-16	Edwards Substation Civil Crew (Foundations)	Truck Drill Rig	130	Diesel	1	8	7.5	off		Bore/Drill Rigs					

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Days Used	Hours Per Day	On-Off	On Type	CalEEModType	On Distance	Trips Per Day	VMT	Total VMT	Total Trips per day
136	S-16	Edwards Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	345	Gasoline	6	60	NA	on	passenger		60	2	720	43200	12
137	S-16	Edwards Substation Civil Crew (Foundations)	14 Ton Crane	270	Diesel	1	30	7.5	off		Cranes					
138	S-16	Edwards Substation Civil Crew (Foundations)	Dump Trucks	370	Diesel	2	40	NA	on	hhdt		40	2	160	6400	4
139	S-16	Edwards Substation Civil Crew (Foundations)	Tractors/Backhoe	85	Diesel	1	40	7.5	off		Tractors/Loaders/Backhoes					
140	S-16	Edwards Substation Civil Crew (Foundations)	Forklift	174	Diesel	1	50	5	off		Forklifts					
141	S-16	Edwards Substation Civil Crew (Foundations)	Ditch Trencher	13	Diesel	1	40	5	off		Trenchers					
142	S-17	Edwards Substation Electrical Crew	Manlifts	60	Diesel	2	60	7.5	off		Aerial Lifts					
143	S-17	Edwards Substation Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	7	80	NA	on	passenger		60	2	840	67200	14
144	S-17	Edwards Substation Electrical Crew	14-ton crane	270	Diesel	1	35	7.5	off		Cranes					
145	S-17	Edwards Substation Electrical Crew	Forklift	174	Diesel	1	60	5	off		Forklifts					
146	S-17	Edwards Substation Electrical Crew	150 Ton Crane	367	Diesel	1	20	7.5	off		Cranes					
147	S-17	Edwards Substation Electrical Crew	Gas/Processing Trailer	NA	NA	1	8	7.5	NA							
148	L-01	Staging Areas	Worker Commute	NA	Gasoline	12		NA	on	passenger		60	2	1440	859680	24
149	L-02	Civil Crew (Road Work, Foundations, Ducts)	Worker Commute	NA	Gasoline	6		NA	on	passenger		60	2	720	215280	12
150	L-03	Civil Crew (Road Maintenance)	Worker Commute	NA	Gasoline	3		NA	on	passenger		60	2	360	107280	6
151	L-04	Structure Installation	Worker Commute	NA	Gasoline	28		NA	on	passenger		60	2	3360	339360	56
152	L-05	Install Conductor/Cable	Worker Commute	NA	Gasoline	28		NA	on	passenger		60	2	3360	789600	56
153	L-06	ADSS/OPGW Splicing	Worker Commute	NA	Gasoline	2		NA	on	passenger		60	2	240	7440	4
154	L-07	Restoration (at end of construction activities)	Worker Commute	NA	Gasoline	5		NA	on	passenger		60	2	600	48600	10
155	S-01	Cal City Substation Civil Crew (Site Grading)	Worker Commute	NA	Gasoline	27		NA	on	passenger		60	2	3240	268920	54
156	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Worker Commute	NA	Gasoline	20		NA	on	passenger		60	2	2400	208800	40
157	S-03	Cal City Substation Civil Crew (Foundation)	Worker Commute	NA	Gasoline	22		NA	on	passenger		60	2	2640	324720	44
158	S-04	Cal City Substation Electrical Crew	Worker Commute	NA	Gasoline	18		NA	on	passenger		60	2	2160	410400	36
159	S-05	Cal City Substation Maintenance Crew	Worker Commute	NA	Gasoline	1		NA	on	passenger		60	2	120	4680	2
160	S-06	Cal City Substation Test Crew	Worker Commute	NA	Gasoline	1		NA	on	passenger		60	2	120	4680	2
161	S-07	Cal City Substation Test Crew and Wireman (Cutover)	Worker Commute	NA	Gasoline	2		NA	on	passenger		60	2	240	4800	4
162	S-08	Cal City Substation Demolition - Test Crew	Worker Commute	NA	Gasoline	4		NA	on	passenger		60	2	480	4800	8
163	S-09	Cal City Substation Demolition - Maintenance Crew	Worker Commute	NA	Gasoline	1		NA	on	passenger		60	2	120	1200	2
164	S-10	Cal City Substation Demolition - Electrical Crew	Worker Commute	NA	Gasoline	20		NA	on	passenger		60	2	2400	96000	40
165	S-11	Cal City Substation Demolition - Civil Crew	Worker Commute	NA	Gasoline	14		NA	on	passenger		60	2	1680	97440	28
166	S-12	Holgate Substation Civil Crew	Worker Commute	NA	Gasoline	9		NA	on	passenger		60	2	1080	7560	18
167	S-13	Holgate Substation Electrical Crew	Worker Commute	NA	Gasoline	10		NA	on	passenger		60	2	1200	21600	20
168	S-14	Kramer Substation Civil Crew (Foundations)	Worker Commute	NA	Gasoline	9		NA	on	passenger		60	2	1080	37800	18
169	S-15	Kramer Substation Electrical Crew	Worker Commute	NA	Gasoline	12		NA	on	passenger		60	2	1440	146880	24
170	S-16	Edwards Substation Civil Crew (Foundations)	Worker Commute	NA	Gasoline	15		NA	on	passenger		60	2	1800	79200	30
171	S-17	Edwards Substation Electrical Crew	Worker Commute	NA	Gasoline	17		NA	on	passenger		60	2	2040	269280	34

Table 16: On-Road Vehicle Distance Assumptions

Component	Equipment	HP	On-Off	Fuel	On Type	Trip Distance	Paved Percent	Paved Distance	Unpaved Distance	Trips per day
L	1-Ton Truck, 4x4	300	on	Diesel	passenger	60	95	57	3	2
L	3/4-Ton Truck, 4x4	275	on	Gas	passenger	60	95	57	3	2
L	Concrete Mixer Truck	425	on	Diesel	vendor	40	95	38	2	2
L	Dump Truck	350	on	Diesel	hhdt	40	95	38	2	2
L	Flat Bed Pole Truck	400	on	Diesel	vendor	40	95	38	2	2
L	Foreman Truck	300	on	Diesel	passenger	60	95	57	3	2
L	Helicopter Support Truck	300	on	Diesel	vendor	40	100	40	0	2
L	Jet A Fuel Truck	300	on	Diesel	vendor	40	100	40	0	2
L	Lowboy Truck/Trailer	500	on	Diesel	hhdt	40	95	38	2	2
L	Splice Lab Truck	350	on	Diesel	passenger	40	95	38	2	2
L	Water Truck	350	on	Diesel	vendor	30	90	27	3	2
S	3/4 Crew Pick-up Truck	345	on	Gas	passenger	60	95	57	3	2
S	5-Ton Truck	220	on	Gas	passenger	40	95	38	2	2
S	Dump Trucks	370	on	Diesel	hhdt	40	95	38	2	2
S	Foreman Truck	345	on	Gas	passenger	60	95	57	3	2
S	Soils Test Crew Truck	345	on	Gas	passenger	40	95	38	2	2
S	Survey Truck	345	on	Gas	passenger	60	95	57	3	2
S	Water Truck	350	on	Diesel	vendor	10	95	9.5	0.5	2
L	Worker Commute	NA	on	Gas	passenger	60	100	60	0	2
S	Worker Commute	NA	on	Gas	passenger	60	100	60	0	2

Table 17: Off-Road Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Staging Areas	R/T Forklift	Diesel	4	4	Rough Terrain Forklifts	96	0.4	2026	0.155836	2.225248	4.361693	0.00662	0.044776	0.041194	716.3904	0.02906	0.005812
2	L-01	Staging Areas	Generator	Diesel	4	8	Generator Sets	45	0.74	2026	0.793719	7.946248	8.765565	0.01726	0.185908	0.171035	1335.109	0.054158	0.010832
3	L-02	Civil Crew (Road Work, Foundations, Ducts)	Backhoe/Front Loader	Diesel	4	4	Tractors/Loaders/Backhoes	125	0.37	2026	0.254251	1.752906	5.053502	0.007931	0.085941	0.079066	858.495	0.034824	0.006965
4	L-02	Civil Crew (Road Work, Foundations, Ducts)	Track Type Dozer	Diesel	2	8	Tractors/Loaders/Backhoes	350	0.37	2026	0.63452	4.002367	5.350758	0.022213	0.155877	0.143407	2404.262	0.097527	0.019505
5	L-02	Civil Crew (Road Work, Foundations, Ducts)	Motor Grader	Diesel	2	8	Graders	148	0.41	2026	0.66978	5.41006	7.271749	0.010488	0.300547	0.276503	1136.168	0.046088	0.009218
6	L-02	Civil Crew (Road Work, Foundations, Ducts)	Boom/Crane Truck	Diesel	1	4	Cranes	367	0.29	2026	0.185442	1.72367	1.536531	0.004572	0.070642	0.06499	495.0487	0.020081	0.004016
7	L-02	Civil Crew (Road Work, Foundations, Ducts)	Auger Truck/Drill Rig	Diesel	2	6	Bore/Drill Rigs	83	0.5	2026	0.140713	1.799747	3.57093	0.005326	0.043964	0.040447	576.4878	0.023385	0.004677
8	L-02	Civil Crew (Road Work, Foundations, Ducts)	Excavator	Diesel	1	4	Excavators	172	0.38	2026	0.08481	0.582092	1.770284	0.002811	0.028038	0.025795	304.2607	0.012342	0.002468
9	L-03	Civil Crew (Road Maintenance)	Motor Grader	Diesel	1	8	Graders	148	0.41	2026	0.33489	2.70503	3.635875	0.005244	0.150274	0.138252	568.0839	0.023044	0.004609
10	L-04	Structure Installation	Boom/Crane Truck	Diesel	7	6	Cranes	367	0.29	2026	1.947138	18.09854	16.13357	0.04801	0.741738	0.682399	5198.011	0.210854	0.042171
11	L-04	Structure Installation	Backhoe/Frontloader	Diesel	4	8	Tractors/Loaders/Backhoes	125	0.37	2026	0.508501	3.505811	10.107	0.015862	0.171882	0.158131	1716.99	0.069649	0.01393
12	L-04	Structure Installation	Manlift/Bucket Truck	Diesel	14	8	Aerial Lifts	250	0.31	2026	1.676412	13.18406	18.74281	0.093323	0.180271	0.165849	10098.37	0.409634	0.081927
13	L-04	Structure Installation	Compressor Trailer	Diesel	1	4	Other Construction Equipment	60	0.42	2026	0.255216	2.182798	1.053558	0.001068	0.167907	0.154474	116.1529	0.004712	0.000942
14	L-04	Structure Installation	R/T Crane	Diesel	7	8	Cranes	367	0.29	2026	2.596184	24.13138	21.51143	0.064013	0.988985	0.909866	6930.681	0.281139	0.056228
15	L-05	Install Conductor/Cable	Manlift/Bucket Truck	Diesel	14	8	Aerial Lifts	250	0.31	2026	1.676412	13.18406	18.74281	0.093323	0.180271	0.165849	10098.37	0.409634	0.081927
16	L-05	Install Conductor/Cable	Boom/Crane Truck	Diesel	7	8	Cranes	367	0.29	2026	2.596184	24.13138	21.51143	0.064013	0.988985	0.909866	6930.681	0.281139	0.056228
17	L-05	Install Conductor/Cable	Wire Truck/Trailer	Diesel	2	8	Other Construction Equipment	82	0.42	2026	0.3421	3.321057	4.256966	0.005917	0.192072	0.176706	640.8749	0.025997	0.005199
18	L-05	Install Conductor/Cable	Sock Line Puller	Diesel	2	8	Other Construction Equipment	82	0.42	2026	0.3421	3.321057	4.256966	0.005917	0.192072	0.176706	640.8749	0.025997	0.005199
19	L-05	Install Conductor/Cable	Bull Wheel Puller	Diesel	1	8	Other Construction Equipment	82	0.42	2026	0.17105	1.660528	2.128483	0.002958	0.096036	0.088353	320.4374	0.012998	0.0026
20	L-05	Install Conductor/Cable	Hydraulic Rewind Puller	Diesel	1	8	Other Construction Equipment	82	0.42	2026	0.17105	1.660528	2.128483	0.002958	0.096036	0.088353	320.4374	0.012998	0.0026
21	L-05	Install Conductor/Cable	Static Truck/ Tensioner	Diesel	2	8	Other Construction Equipment	82	0.42	2026	0.3421	3.321057	4.256966	0.005917	0.192072	0.176706	640.8749	0.025997	0.005199
22	L-05	Install Conductor/Cable	Backhoe/Front Loader	Diesel	4	4	Tractors/Loaders/Backhoes	125	0.37	2026	0.254251	1.752906	5.053502	0.007931	0.085941	0.079066	858.495	0.034824	0.006965
23	L-05	Install Conductor/Cable	Track Type Dozer	Diesel	2	8	Tractors/Loaders/Backhoes	350	0.37	2026	0.63452	4.002367	5.350758	0.022213	0.155877	0.143407	2404.262	0.097527	0.019505
24	L-05	Install Conductor/Cable	Conductor Splicing Rig	Diesel	1	8	Other Construction Equipment	82	0.42	2026	0.17105	1.660528	2.128483	0.002958	0.096036	0.088353	320.4374	0.012998	0.0026
25	L-05	Install Conductor/Cable	Fiber Splicing Lab	Diesel	1	8	Other Construction Equipment	82	0.42	2026	0.17105	1.660528	2.128483	0.002958	0.096036	0.088353	320.4374	0.012998	0.0026
26	L-06	ADSS/OPGW Splicing	Manlift/Bucket Truck	Diesel	1	9	Aerial Lifts	250	0.31	2026	0.134712	1.059433	1.506119	0.007499	0.014486	0.013327	811.4765	0.032917	0.006583
27	L-07	Restoration (at end of construction activities)	Backhoe/Front Loader	Diesel	1	8	Tractors/Loaders/Backhoes	125	0.37	2026	0.127125	0.876453	2.526751	0.003965	0.04297	0.039533	429.2475	0.017412	0.003482
28	L-07	Restoration (at end of construction activities)	Motor Grader	Diesel	1	4	Graders	148	0.41	2026	0.167445	1.352515	1.817937	0.002622	0.075137	0.069126	284.042	0.011522	0.002304
29	L-07	Restoration (at end of construction activities)	Drum Type Compactor	Diesel	1	4	Rollers	100	0.38	2026	0.04042	0.335205	0.975454	0.001633	0.014906	0.013714	176.7223	0.007169	0.001434
30	S-01	Cal City Substation Civil Crew (Site Grading)	Grader	Diesel	2	5	Graders	148	0.41	2026	0.418612	3.381288	4.544843	0.006555	0.187842	0.172815	710.1049	0.028805	0.005761
31	S-01	Cal City Substation Civil Crew (Site Grading)	Compactor	Diesel	3	5	Rollers	75	0.38	2026	0.217321	2.341357	3.214703	0.004596	0.109073	0.100347	497.6378	0.020186	0.004037
32	S-01	Cal City Substation Civil Crew (Site Grading)	980 Loader/Scraper	Diesel	3	7.5	Scrapers	275	0.48	2026	1.823012	16.90705	10.23027	0.031863	0.757357	0.696768	3451.174	0.139995	0.027999
33	S-01	Cal City Substation Civil Crew (Site Grading)	Tractors/Backhoe	Diesel	2	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.127616	1.306807	2.413575	0.003392	0.044005	0.040484	367.2738	0.014898	0.00298
34	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Tractors/Backhoe	Diesel	2	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.127616	1.306807	2.413575	0.003392	0.044005	0.040484	367.2738	0.014898	0.00298
35	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Grader	Diesel	2	5	Graders	148	0.41	2026	0.418612	3.381288	4.544843	0.006555	0.187842	0.172815	710.1049	0.028805	0.005761
36	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Compactor	Diesel	1	5	Rollers	75	0.38	2026	0.07244	0.780452	1.071568	0.001532	0.036358	0.033449	165.8793	0.006729	0.001346
37	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	980 Loader/Scraper	Diesel	1	7.5	Scrapers	275	0.48	2026	0.607671	5.635682	3.410091	0.010621	0.252452	0.232256	1150.391	0.046665	0.009333
38	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Excavator	Diesel	1	7.5	Excavators	172	0.38	2026	0.159019	1.091422	3.319283	0.005271	0.052571	0.048365	570.4887	0.023142	0.004628
39	S-03	Cal City Substation Civil Crew (Foundation)	Driller	Diesel	2	7.5	Bore/Drill Rigs	83	0.5	2026	0.175892	2.249683	4.463662	0.006658	0.054956	0.050559	720.6097	0.029231	0.005846
40	S-03	Cal City Substation Civil Crew (Foundation)	14-ton Crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.647092	6.500783	3.841391	0.012614	0.270426	0.248792	1366.033	0.055412	0.011082
41	S-03	Cal City Substation Civil Crew (Foundation)	Tractors/Backhoe	Diesel	2	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.191424	1.96021	3.620362	0.005089	0.066007	0.060727	550.9108	0.022347	0.004469
42	S-03	Cal City Substation Civil Crew (Foundation)	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.147523	1.100727	2.423232	0.003738	0.055237	0.050818	404.6776	0.016415	0.003283
43	S-03	Cal City Substation Civil Crew (Foundation)	Ditch Digger	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
44	S-03	Cal City Substation Civil Crew (Foundation)	Generator	Diesel	2	7.5	Generator Sets	13.5	0.74	2026	0.17822	1.428485	0.944746	0.002621	0.057522	0.05292	187.7538	0.007616	0.001523
45	S-04	Cal City Substation Electrical Crew	Truck Crane	Diesel	2	7.5	Cranes	367	0.29	2026	0.695406	6.463764	5.76199	0.017146	0.264907	0.243714	1856.433	0.075305	0.015061
46	S-04	Cal City Substation Electrical Crew	Manlifts	Diesel	4	7.5	Aerial Lifts	60	0.31	2026	0.126349	1.910757	3.890006	0.006001	0.037583	0.034576	649.3755	0.026342	0.005268
47	S-04	Cal City Substation Electrical Crew	14-ton crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.647092	6.500783	3.841391	0.012614	0.270426	0.248792	1366.033	0.055412	0.011082
48	S-04	Cal City Substation Electrical Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.147523	1.100727	2.423232	0.003738	0.055237	0.050818	404.6776	0.016415	0.003283
49	S-04	Cal City Substation Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.347703	3.231882	2.880995	0.008573	0.132453	0.121857	928.2163	0.037653	0.007531
50	S-10	Cal City Substation Demolition - Electrical Crew	Truck Crane	Diesel	2	7.5	Cranes	367	0.29	2026	0.695406	6.463764	5.76199	0.017146	0.264907	0.243714	1856.433	0.075305	0.015061
51	S-10	Cal City Substation Demolition - Electrical Crew	Manlifts	Diesel	4	7.5	Aerial Lifts	60	0.31	2026	0.126349	1.910757	3.890006	0.006001	0.037583	0.034576	649.3755	0.026342	0.005268
52	S-10	Cal City Substation Demolition - Electrical Crew	14-ton crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.647092	6.500783	3.841391	0.012614	0.270426	0.248792	1366.033	0.055412	0.011082
53	S-10	Cal City Substation Demolition - Electrical Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.147523	1.100727	2.423232	0.003738	0.055237	0.050818	404.6776	0.016415	0.003283
54	S-10	Cal City Substation Demolition - Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.347703	3.231882	2.880995	0.008573	0.132453	0.121857	928.2163	0.037653	0.007531
55	S-11	Cal City Substation Demolition - Civil Crew	Tractors/Backhoe	Diesel	3	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.287136	2.940315	5.430544	0.007633	0.099011	0.09109	826.3661	0.033521	0.006704
56	S-11	Cal City Substation Demolition - Civil Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.147523	1.100727	2.423232	0.003738	0.055237	0.050818	404.6776	0.016415	0.003283
57	S-12	Holgate Substation Civil Crew	Tractors/Backhoe	Diesel	1	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.063808	0.653403	1.206787	0.001696	0.022002	0.020242	183.6369	0.007449	0.00149
58	S-12	Holgate Substation Civil Crew	Ditch Digger	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
59	S-13	Holgate Substation Electrical Crew	14-ton crane	Diesel	1	5	Cranes	270	0.29	2026	0.215697	2.166928	1.280464	0.004205	0.090142	0.082931	455.3445	0.018471	0.003694
60	S-13	Holgate Substation Electrical Crew	Manlifts	Diesel	1	7.5	Aerial Lifts	60	0.31	2026	0.031587	0.477689	0.972502	0.0015	0.009396	0.008644	162.3439	0.006585	0.001317
61	S-13	Holgate Substation Electrical Crew	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.073762	0.550363	1.211616	0.001869	0.027619	0.025409	202.3388	0.008208	0.001642
62	S-14	Kramer Substation Civil Crew (Foundations)	14 Ton Crane	Diesel	1	7.5	Cranes	270	0.29	2026	0.323546	3.250391	1.920695	0.006307	0.135213	0.124396	683.0167	0.027706	0.005541
63	S-14	Kramer Substation Civil Crew (Foundations)	Tractors/Backhoe	Diesel	1	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.095712	0.980105	1.810181	0.002544	0.033004	0.030363	275.4554	0.011174	0.002235
64	S-14	Kramer Substation Civil Crew (Foundations)	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.073762	0.550363	1.211616	0.001869	0.027619	0.025409	202.3388	0.008208	0.001642
65	S-14	Kramer Substation Civil Crew (Foundations)	Ditch Digger	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
66	S-15	Kramer Substation Electrical Crew	Manlifts	Diesel	2	7.5	Aerial Lifts	60	0.31	2026	0.063174	0.955379	1.945003	0.003	0.018791	0.017288	324.6877	0.013171	0.002634
67	S-15	Kramer Substation Electrical Crew	14-ton crane	Diesel	1	7.5	Cranes	270	0.29	2026	0.323546	3.250391	1.920695	0.006307	0.135213	0.124396	683.0167	0.027706	0.005541
68	S-15	Kramer Substation Electrical Crew	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.073762	0.550363	1.211616	0.001869	0.027619	0.025409	202.3388	0.008208	0.001642
69	S-16	Edwards Substation Civil Crew (Foundations)	Truck Drill Rig	Diesel	1	7.5	Bore/Drill Rigs	130	0.5	2026	0.125973	0.954802	3.175298	0.005261	0.043267	0.039806	569.3902	0.023097	0.004619
70	S-16	Edwards Substation Civil Crew (Foundations)	14 Ton Crane	Diesel	1	7.5	Cranes	270	0.29	2026	0.323546	3.250391	1.920695	0.006307	0.135213	0.124396	683.0167	0.027706	0.005541
71	S-16	Edwards Substation Civil Crew (Foundations)	Tractors/Backhoe	Diesel	1	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.095712	0.980105	1.810181	0.002544	0.033004	0.030363	275.4554	0.011174	0.002235
72	S-16	Edwards Substation Civil Crew (Foundations)	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.073762	0.550363	1.211616	0.001869	0.027619	0.025409	202.3388	0.008208	0.001642
73	S-16	Edwards Substation Civil Crew (Foundations)	Ditch Trencher	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
74	S-17	Edwards Substation Electrical Crew	Manlifts	Diesel	2	7.5	Aerial Lifts	60	0.31	2026	0.063174	0.955379	1.945003	0.003	0.018791	0.017288	324.6877	0.013171	0.002634
75	S-17	Edwards Substation Electrical Crew	14-ton crane	Diesel	1	7.5	Cranes	270	0.29	2026	0.323546	3.250391	1.920695	0.006307	0.135213	0.124396	683.0167	0.027706	0.005541
76	S-17	Edwards Substation Electrical Crew	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.073762	0.550363	1.211616	0.001869	0.027619	0.025409	202.3388	0.008208	0.001642
77	S-17	Edwards Substation Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.347703	3.231882	2.880995	0.008573	0.132453	0.121857	928.2163	0.037653	0.007531

Table 18: Off-Road Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	597	0.046517	0.664236	1.301965	0.001976	0.013365522	0.012296	213.8425	0.008674	0.001735
2	L-01	597	0.236925	2.371955	2.616521	0.005152	0.055493564	0.051054	398.5301	0.016166	0.003233
3	L-02	299	0.03801	0.262059	0.755499	0.001186	0.01284817	0.01182	128.345	0.005206	0.001041
4	L-02	299	0.094861	0.598354	0.799938	0.003321	0.023303578	0.021439	359.4372	0.01458	0.002916
5	L-02	299	0.100132	0.808804	1.087127	0.001568	0.044931779	0.041337	169.8571	0.00689	0.001378
6	L-02	299	0.027724	0.257689	0.229711	0.000684	0.010560943	0.009716	74.00978	0.003002	0.0006
7	L-02	299	0.021037	0.269062	0.533854	0.000796	0.006572688	0.006047	86.18492	0.003496	0.000699
8	L-02	299	0.012679	0.087023	0.264657	0.00042	0.00419166	0.003856	45.48697	0.001845	0.000369
9	L-03	298	0.049899	0.403049	0.541745	0.000781	0.022390753	0.020599	84.6445	0.003434	0.000687
10	L-04	101	0.09833	0.913976	0.814745	0.002425	0.037457793	0.034461	262.4996	0.010648	0.00213
11	L-04	101	0.025679	0.177043	0.510404	0.000801	0.008680034	0.007986	86.70799	0.003517	0.000703
12	L-04	101	0.084659	0.665795	0.946512	0.004713	0.009103683	0.008375	509.9679	0.020687	0.004137
13	L-04	101	0.012888	0.110231	0.053205	5.39E-05	0.008479285	0.007801	5.86572	0.000238	4.76E-05
14	L-04	101	0.131107	1.218635	1.086327	0.003233	0.049943724	0.045948	349.9994	0.014198	0.00284
15	L-05	235	0.196978	1.549127	2.20228	0.010965	0.021181836	0.019487	1186.559	0.048132	0.009626
16	L-05	235	0.305052	2.835438	2.527593	0.007522	0.116205696	0.106909	814.3551	0.033034	0.006607
17	L-05	235	0.040197	0.390224	0.500194	0.000695	0.022568405	0.020763	75.3028	0.003055	0.000611
18	L-05	235	0.040197	0.390224	0.500194	0.000695	0.022568405	0.020763	75.3028	0.003055	0.000611
19	L-05	235	0.020098	0.195112	0.250097	0.000348	0.011284203	0.010381	37.6514	0.001527	0.000305
20	L-05	235	0.020098	0.195112	0.250097	0.000348	0.011284203	0.010381	37.6514	0.001527	0.000305
21	L-05	235	0.040197	0.390224	0.500194	0.000695	0.022568405	0.020763	75.3028	0.003055	0.000611
22	L-05	235	0.029874	0.205966	0.593786	0.000932	0.01009806	0.00929	100.8732	0.004092	0.000818
23	L-05	235	0.074556	0.470278	0.628714	0.00261	0.018315522	0.01685	282.5008	0.011459	0.002292
24	L-05	235	0.020098	0.195112	0.250097	0.000348	0.011284203	0.010381	37.6514	0.001527	0.000305
25	L-05	235	0.020098	0.195112	0.250097	0.000348	0.011284203	0.010381	37.6514	0.001527	0.000305
26	L-06	31	0.002088	0.016421	0.023345	0.000116	0.000224534	0.000207	12.57789	0.00051	0.000102
27	L-07	81	0.005149	0.035496	0.102333	0.000161	0.001740304	0.001601	17.38452	0.000705	0.000141
28	L-07	81	0.006782	0.054777	0.073626	0.000106	0.003043039	0.0028	11.5037	0.000467	9.33E-05
29	L-07	81	0.001637	0.013576	0.039506	6.61E-05	0.000603704	0.000555	7.157254	0.00029	5.81E-05
30	S-01	60	0.012558	0.101439	0.136345	0.000197	0.005635257	0.005184	21.30315	0.000864	0.000173
31	S-01	70	0.007606	0.081947	0.112515	0.000161	0.003817559	0.003512	17.41732	0.000707	0.000141
32	S-01	70	0.063805	0.591747	0.35806	0.001115	0.026507488	0.024387	120.7911	0.0049	0.00098
33	S-01	80	0.005105	0.052272	0.096543	0.000136	0.001760193	0.001619	14.69095	0.000596	0.000119
34	S-02	80	0.005105	0.052272	0.096543	0.000136	0.001760193	0.001619	14.69095	0.000596	0.000119
35	S-02	60	0.012558	0.101439	0.136345	0.000197	0.005635257	0.005184	21.30315	0.000864	0.000173
36	S-02	70	0.002535	0.027316	0.037505	5.36E-05	0.00127252	0.001171	5.805774	0.000236	4.71E-05
37	S-02	40	0.012153	0.112714	0.068202	0.000212	0.005049045	0.004645	23.00783	0.000933	0.000187
38	S-02	40	0.00318	0.021828	0.066386	0.000105	0.00105142	0.000967	11.40977	0.000463	9.26E-05
39	S-03	80	0.007036	0.089987	0.178546	0.000266	0.002198223	0.002022	28.82439	0.001169	0.000234
40	S-03	60	0.019413	0.195023	0.115242	0.000378	0.008112783	0.007464	40.981	0.001662	0.000332
41	S-03	80	0.007657	0.078408	0.144814	0.000204	0.002640289	0.002429	22.03643	0.000894	0.000179
42	S-03	100	0.007376	0.055036	0.121162	0.000187	0.002761856	0.002541	20.23388	0.000821	0.000164
43	S-03	80	0.00241	0.018397	0.010972	3.23E-05	0.000693358	0.000638	2.434122	9.87E-05	1.97E-05
44	S-03	20	0.001782	0.014285	0.009447	2.62E-05	0.00057522	0.000529	1.877538	7.62E-05	1.52E-05
45	S-04	60	0.020862	0.193913	0.17286	0.000514	0.007947198	0.007311	55.69298	0.002259	0.000452
46	S-04	140	0.008844	0.133753	0.2723	0.00042	0.00263078	0.00242	45.45628	0.001844	0.000369
47	S-04	80	0.025884	0.260031	0.153656	0.000505	0.010817044	0.009952	54.64134	0.002216	0.000443
48	S-04	120	0.008851	0.066044	0.145394	0.000224	0.003314227	0.003049	24.28066	0.000985	0.000197
49	S-04	40	0.006954	0.064638	0.05762	0.000171	0.002649066	0.002437	18.56433	0.000753	0.000151
50	S-10	20	0.006954	0.064638	0.05762	0.000171	0.002649066	0.002437	18.56433	0.000753	0.000151
51	S-10	40	0.002527	0.038215	0.0778	0.00012	0.000751651	0.000692	12.98751	0.000527	0.000105
52	S-10	15	0.004853	0.048756	0.02881	9.46E-05	0.002028196	0.001866	10.24525	0.000416	8.31E-05
53	S-10	40	0.00295	0.022015	0.048465	7.48E-05	0.001104742	0.001016	8.093553	0.000328	6.57E-05
54	S-10	10	0.001739	0.016159	0.014405	4.29E-05	0.000662267	0.000609	4.641081	0.000188	3.77E-05
55	S-11	58	0.008327	0.085269	0.157486	0.000221	0.002871314	0.002642	23.96462	0.000972	0.000194
56	S-11	58	0.004278	0.031921	0.070274	0.000108	0.001601876	0.001474	11.73565	0.000476	9.52E-05
57	S-12	7	0.000223	0.002287	0.004224	5.94E-06	7.70084E-05	7.08E-05	0.642729	2.61E-05	5.21E-06
58	S-12	7	0.000211	0.00161	0.00096	2.82E-06	6.06689E-05	5.58E-05	0.212986	8.64E-06	1.73E-06
59	S-13	15	0.001618	0.016252	0.009603	3.15E-05	0.000676065	0.000622	3.415084	0.000139	2.77E-05

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
60	S-13	15	0.000237	0.003583	0.007294	1.13E-05	7.04673E-05	6.48E-05	1.217579	4.94E-05	9.88E-06
61	S-13	18	0.000664	0.004953	0.010905	1.68E-05	0.000248567	0.000229	1.821049	7.39E-05	1.48E-05
62	S-14	10	0.001618	0.016252	0.009603	3.15E-05	0.000676065	0.000622	3.415084	0.000139	2.77E-05
63	S-14	35	0.001675	0.017152	0.031678	4.45E-05	0.000577563	0.000531	4.820469	0.000196	3.91E-05
64	S-14	35	0.001291	0.009631	0.021203	3.27E-05	0.000483325	0.000445	3.540929	0.000144	2.87E-05
65	S-14	20	0.000603	0.004599	0.002743	8.06E-06	0.00017334	0.000159	0.60853	2.47E-05	4.94E-06
66	S-15	80	0.002527	0.038215	0.0778	0.00012	0.000751651	0.000692	12.98751	0.000527	0.000105
67	S-15	60	0.009706	0.097512	0.057621	0.000189	0.004056391	0.003732	20.4905	0.000831	0.000166
68	S-15	60	0.002213	0.016511	0.036348	5.61E-05	0.000828557	0.000762	6.070165	0.000246	4.92E-05
69	S-16	8	0.000504	0.003819	0.012701	2.1E-05	0.000173069	0.000159	2.277561	9.24E-05	1.85E-05
70	S-16	30	0.004853	0.048756	0.02881	9.46E-05	0.002028196	0.001866	10.24525	0.000416	8.31E-05
71	S-16	40	0.001914	0.019602	0.036204	5.09E-05	0.000660072	0.000607	5.509108	0.000223	4.47E-05
72	S-16	44	0.001623	0.012108	0.026656	4.11E-05	0.000607608	0.000559	4.451454	0.000181	3.61E-05
73	S-16	40	0.001205	0.009198	0.005486	1.61E-05	0.000346679	0.000319	1.217061	4.94E-05	9.87E-06
74	S-17	60	0.001895	0.028661	0.05835	9E-05	0.000563739	0.000519	9.740632	0.000395	7.9E-05
75	S-17	35	0.005662	0.056882	0.033612	0.00011	0.002366228	0.002177	11.95279	0.000485	9.7E-05
76	S-17	60	0.002213	0.016511	0.036348	5.61E-05	0.000828557	0.000762	6.070165	0.000246	4.92E-05
77	S-17	20	0.003477	0.032319	0.02881	8.57E-05	0.001324533	0.001219	9.282163	0.000377	7.53E-05
						Total	0.717654333	0.660242			

Table 19: Off-Road Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Staging Areas	R/T Forklift	Diesel	4	4	Rough Terrain Forklifts	96	0.4	2026	0.155836	2.225248	4.361693	0.00662	0.044776	0.041194	716.3904	0.02906	0.005812
2	L-01	Staging Areas	Generator	Diesel	4	8	Generator Sets	45	0.74	2026	0.793719	7.946248	8.765565	0.01726	0.185908	0.171035	1335.109	0.054158	0.010832
3	L-02	Civil Crew (Road Work, Foundations, Ducts)	Backhoe/Front Loader	Diesel	4	4	Tractors/Loaders/Backhoes	125	0.37	2026	0.081571	0.424169	6.03625	0.007931	0.016314	0.016314	858.495	0.034824	0.006965
4	L-02	Civil Crew (Road Work, Foundations, Ducts)	Track Type Dozer	Diesel	2	8	Tractors/Loaders/Backhoes	350	0.37	2026	0.228399	1.187673	11.87673	0.022213	0.04568	0.04568	2404.262	0.097527	0.019505
5	L-02	Civil Crew (Road Work, Foundations, Ducts)	Motor Grader	Diesel	2	8	Graders	148	0.41	2026	0.107021	0.55651	7.91956	0.010488	0.021404	0.021404	1136.168	0.046088	0.009218
6	L-02	Civil Crew (Road Work, Foundations, Ducts)	Boom/Crane Truck	Diesel	1	4	Cranes	367	0.29	2026	0.046928	0.244023	2.440232	0.004572	0.009386	0.009386	495.0487	0.020081	0.004016
7	L-02	Civil Crew (Road Work, Foundations, Ducts)	Auger Truck/Drill Rig	Diesel	2	6	Bore/Drill Rigs	83	0.5	2026	0.140713	1.799747	3.57093	0.005326	0.043964	0.040447	576.4878	0.023385	0.004677
8	L-02	Civil Crew (Road Work, Foundations, Ducts)	Excavator	Diesel	1	4	Excavators	172	0.38	2026	0.028819	0.149858	2.132591	0.002811	0.005764	0.005764	304.2607	0.012342	0.002468
9	L-03	Civil Crew (Road Maintenance)	Motor Grader	Diesel	1	8	Graders	148	0.41	2026	0.053511	0.278255	3.95978	0.005244	0.010702	0.010702	568.0839	0.023044	0.004609
10	L-04	Structure Installation	Boom/Crane Truck	Diesel	7	6	Cranes	367	0.29	2026	0.492739	2.562244	25.62244	0.04801	0.098548	0.098548	5198.011	0.210854	0.042171
11	L-04	Structure Installation	Backhoe/Frontloader	Diesel	4	8	Tractors/Loaders/Backhoes	125	0.37	2026	0.163142	0.848338	12.0725	0.015862	0.032628	0.032628	1716.99	0.069649	0.01393
12	L-04	Structure Installation	Manlift/Bucket Truck	Diesel	14	8	Aerial Lifts	250	0.31	2026	0.956805	4.975386	49.75386	0.093323	0.191361	0.191361	10098.37	0.409634	0.081927
13	L-04	Structure Installation	Compressor Trailer	Diesel	1	4	Other Construction Equipment	60	0.42	2026	0.255216	2.182798	1.053558	0.001068	0.167907	0.154474	116.1529	0.004712	0.000942
14	L-04	Structure Installation	R/T Crane	Diesel	7	8	Cranes	367	0.29	2026	0.656986	3.416325	34.16325	0.064013	0.131397	0.131397	6930.681	0.281139	0.056228
15	L-05	Install Conductor/Cable	Manlift/Bucket Truck	Diesel	14	8	Aerial Lifts	250	0.31	2026	0.956805	4.975386	49.75386	0.093323	0.191361	0.191361	10098.37	0.409634	0.081927
16	L-05	Install Conductor/Cable	Boom/Crane Truck	Diesel	7	8	Cranes	367	0.29	2026	0.656986	3.416325	34.16325	0.064013	0.131397	0.131397	6930.681	0.281139	0.056228
17	L-05	Install Conductor/Cable	Wire Truck/Trailer	Diesel	2	8	Other Construction Equipment	82	0.42	2026	0.3421	3.321057	4.256966	0.005917	0.192072	0.176706	640.8749	0.025997	0.005199
18	L-05	Install Conductor/Cable	Sock Line Puller	Diesel	2	8	Other Construction Equipment	82	0.42	2026	0.3421	3.321057	4.256966	0.005917	0.192072	0.176706	640.8749	0.025997	0.005199
19	L-05	Install Conductor/Cable	Bull Wheel Puller	Diesel	1	8	Other Construction Equipment	82	0.42	2026	0.17105	1.660528	2.128483	0.002958	0.096036	0.088353	320.4374	0.012998	0.0026
20	L-05	Install Conductor/Cable	Hydraulic Rewind Puller	Diesel	1	8	Other Construction Equipment	82	0.42	2026	0.17105	1.660528	2.128483	0.002958	0.096036	0.088353	320.4374	0.012998	0.0026
21	L-05	Install Conductor/Cable	Static Truck/ Tensioner	Diesel	2	8	Other Construction Equipment	82	0.42	2026	0.3421	3.321057	4.256966	0.005917	0.192072	0.176706	640.8749	0.025997	0.005199
22	L-05	Install Conductor/Cable	Backhoe/Front Loader	Diesel	4	4	Tractors/Loaders/Backhoes	125	0.37	2026	0.081571	0.424169	6.03625	0.007931	0.016314	0.016314	858.495	0.034824	0.006965
23	L-05	Install Conductor/Cable	Track Type Dozer	Diesel	2	8	Tractors/Loaders/Backhoes	350	0.37	2026	0.228399	1.187673	11.87673	0.022213	0.04568	0.04568	2404.262	0.097527	0.019505
24	L-05	Install Conductor/Cable	Conductor Splicing Rig	Diesel	1	8	Other Construction Equipment	82	0.42	2026	0.17105	1.660528	2.128483	0.002958	0.096036	0.088353	320.4374	0.012998	0.0026
25	L-05	Install Conductor/Cable	Fiber Splicing Lab	Diesel	1	8	Other Construction Equipment	82	0.42	2026	0.17105	1.660528	2.128483	0.002958	0.096036	0.088353	320.4374	0.012998	0.0026
26	L-06	ADSS/OPGW Splicing	Manlift/Bucket Truck	Diesel	1	9	Aerial Lifts	250	0.31	2026	0.076886	0.399808	3.998078	0.007499	0.015377	0.015377	811.4765	0.032917	0.006583
27	L-07	Restoration (at end of construction activities)	Backhoe/Front Loader	Diesel	1	8	Tractors/Loaders/Backhoes	125	0.37	2026	0.040785	0.212084	3.018125	0.003965	0.008157	0.008157	429.2475	0.017412	0.003482
28	L-07	Restoration (at end of construction activities)	Motor Grader	Diesel	1	4	Graders	148	0.41	2026	0.026755	0.139127	1.97989	0.002622	0.005351	0.005351	284.042	0.011522	0.002304
29	L-07	Restoration (at end of construction activities)	Drum Type Compactor	Diesel	1	4	Rollers	100	0.38	2026	0.016755	0.087127	1.239878	0.001633	0.003351	0.003351	176.7223	0.007169	0.001434
30	S-01	Cal City Substation Civil Crew (Site Grading)	Grader	Diesel	2	5	Graders	148	0.41	2026	0.066888	0.347818	4.949725	0.006555	0.013378	0.013378	710.1049	0.028805	0.005761
31	S-01	Cal City Substation Civil Crew (Site Grading)	Compactor	Diesel	3	5	Rollers	75	0.38	2026	0.217321	2.341357	3.214703	0.004596	0.109073	0.100347	497.6378	0.020186	0.004037
32	S-01	Cal City Substation Civil Crew (Site Grading)	980 Loader/Scraper	Diesel	3	7.5	Scrapers	275	0.48	2026	0.327386	1.702408	17.02408	0.031863	0.065477	0.065477	3451.174	0.139995	0.027999
33	S-01	Cal City Substation Civil Crew (Site Grading)	Tractors/Backhoe	Diesel	2	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.127616	1.306807	2.413575	0.003392	0.044005	0.040484	367.2738	0.014898	0.00298
34	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Tractors/Backhoe	Diesel	2	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.127616	1.306807	2.413575	0.003392	0.044005	0.040484	367.2738	0.014898	0.00298
35	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Grader	Diesel	2	5	Graders	148	0.41	2026	0.066888	0.347818	4.949725	0.006555	0.013378	0.013378	710.1049	0.028805	0.005761
36	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Compactor	Diesel	1	5	Rollers	75	0.38	2026	0.07244	0.780452	1.071568	0.001532	0.036358	0.033449	165.8793	0.006729	0.001346
37	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	980 Loader/Scraper	Diesel	1	7.5	Scrapers	275	0.48	2026	0.109129	0.567469	5.674692	0.010621	0.021826	0.021826	1150.391	0.046665	0.009333
38	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Excavator	Diesel	1	7.5	Excavators	172	0.38	2026	0.054035	0.280983	3.998608	0.005271	0.010807	0.010807	570.4887	0.023142	0.004628
39	S-03	Cal City Substation Civil Crew (Foundation)	Driller	Diesel	2	7.5	Bore/Drill Rigs	83	0.5	2026	0.175892	2.249683	4.463662	0.006658	0.054956	0.050559	720.6097	0.029231	0.005846
40	S-03	Cal City Substation Civil Crew (Foundation)	14-ton Crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.129466	0.673225	6.732248	0.012614	0.025893	0.025893	1366.033	0.055412	0.011082
41	S-03	Cal City Substation Civil Crew (Foundation)	Tractors/Backhoe	Diesel	2	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.191424	1.96021	3.620362	0.005089	0.066007	0.060727	550.9108	0.022347	0.004469
42	S-03	Cal City Substation Civil Crew (Foundation)	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.03836	0.199474	2.838669	0.003738	0.007672	0.007672	404.6776	0.016415	0.003283
43	S-03	Cal City Substation Civil Crew (Foundation)	Ditch Digger	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
44	S-03	Cal City Substation Civil Crew (Foundation)	Generator	Diesel	2	7.5	Generator Sets	13.5	0.74	2026	0.17822	1.428485	0.944746	0.002621	0.057522	0.05292	187.7538	0.007616	0.001523
45	S-04	Cal City Substation Electrical Crew	Truck Crane	Diesel	2	7.5	Cranes	367	0.29	2026	0.175978	0.915087	9.15087	0.017146	0.035196	0.035196	1856.433	0.075305	0.015061
46	S-04	Cal City Substation Electrical Crew	Manlifts	Diesel	4	7.5	Aerial Lifts	60	0.31	2026	0.126349	1.910757	3.890006	0.006001	0.037583	0.034576	649.3755	0.026342	0.005268
47	S-04	Cal City Substation Electrical Crew	14-ton crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.129466	0.673225	6.732248	0.012614	0.025893	0.025893	1366.033	0.055412	0.011082
48	S-04	Cal City Substation Electrical Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.03836	0.199474	2.838669	0.003738	0.007672	0.007672	404.6776	0.016415	0.003283
49	S-04	Cal City Substation Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.087989	0.457544	4.575435	0.008573	0.017598	0.017598	928.2163	0.037653	0.007531
50	S-10	Cal City Substation Demolition - Electrical Crew	Truck Crane	Diesel	2	7.5	Cranes	367	0.29	2026	0.175978	0.915087	9.15087	0.017146	0.035196	0.035196	1856.433	0.075305	0.015061
51	S-10	Cal City Substation Demolition - Electrical Crew	Manlifts	Diesel	4	7.5	Aerial Lifts	60	0.31	2026	0.126349	1.910757	3.890006	0.006001	0.037583	0.034576	649.3755	0.026342	0.005268
52	S-10	Cal City Substation Demolition - Electrical Crew	14-ton crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.129466	0.673225	6.732248	0.012614	0.025893	0.025893	1366.033	0.055412	0.011082
53	S-10	Cal City Substation Demolition - Electrical Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.03836	0.199474	2.838669	0.003738	0.007672	0.007672	404.6776	0.016415	0.003283
54	S-10	Cal City Substation Demolition - Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.087989	0.457544	4.575435	0.008573	0.017598	0.017598	928.2163	0.037653	0.007531
55	S-11	Cal City Substation Demolition - Civil Crew	Tractors/Backhoe	Diesel	3	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.287136	2.940315	5.430544	0.007633	0.099011	0.09109	826.3661	0.033521	0.006704
56	S-11	Cal City Substation Demolition - Civil Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.03836	0.199474	2.838669	0.003738	0.007672	0.007672	404.6776	0.016415	0.003283
57	S-12	Holgate Substation Civil Crew	Tractors/Backhoe	Diesel	1	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.063808	0.653403	1.206787	0.001696	0.022002	0.020242	183.6369	0.007449	0.00149
58	S-12	Holgate Substation Civil Crew	Ditch Digger	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
59	S-13	Holgate Substation Electrical Crew	14-ton crane	Diesel	1	5	Cranes	270	0.29	2026	0.043155	0.224408	2.244083	0.004205	0.008631	0.008631	455.3445	0.018471	0.003694
60	S-13	Holgate Substation Electrical Crew	Manlifts	Diesel	1	7.5	Aerial Lifts	60	0.31	2026	0.031587	0.477689	0.972502	0.0015	0.009396	0.008644	162.3439	0.006585	0.001317
61	S-13	Holgate Substation Electrical Crew	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.01918	0.099737	1.419334	0.001869	0.003836	0.003836	202.3388	0.008208	0.001642
62	S-14	Kramer Substation Civil Crew (Foundations)	14 Ton Crane	Diesel	1	7.5	Cranes	270	0.29	2026	0.064733	0.336612	3.366124	0.006307	0.012947	0.012947	683.0167	0.027706	0.005541
63	S-14	Kramer Substation Civil Crew (Foundations)	Tractors/Backhoe	Diesel	1	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.095712	0.980105	1.810181	0.002544	0.033004	0.030363	275.4554	0.011174	0.002235
64	S-14	Kramer Substation Civil Crew (Foundations)	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.01918	0.099737	1.419334	0.001869	0.003836	0.003836	202.3388	0.008208	0.001642

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
65	S-14	Kramer Substation Civil Crew (Foundations)	Ditch Digger	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
66	S-15	Kramer Substation Electrical Crew	Manlifts	Diesel	2	7.5	Aerial Lifts	60	0.31	2026	0.063174	0.955379	1.945003	0.003	0.018791	0.017288	324.6877	0.013171	0.002634
67	S-15	Kramer Substation Electrical Crew	14-ton crane	Diesel	1	7.5	Cranes	270	0.29	2026	0.064733	0.336612	3.366124	0.006307	0.012947	0.012947	683.0167	0.027706	0.005541
68	S-15	Kramer Substation Electrical Crew	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.01918	0.099737	1.419334	0.001869	0.003836	0.003836	202.3388	0.008208	0.001642
69	S-16	Edwards Substation Civil Crew (Foundations)	Truck Drill Rig	Diesel	1	7.5	Bore/Drill Rigs	130	0.5	2026	0.053738	0.279436	3.976583	0.005261	0.010748	0.010748	569.3902	0.023097	0.004619
70	S-16	Edwards Substation Civil Crew (Foundations)	14 Ton Crane	Diesel	1	7.5	Cranes	270	0.29	2026	0.064733	0.336612	3.366124	0.006307	0.012947	0.012947	683.0167	0.027706	0.005541
71	S-16	Edwards Substation Civil Crew (Foundations)	Tractors/Backhoe	Diesel	1	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.095712	0.980105	1.810181	0.002544	0.033004	0.030363	275.4554	0.011174	0.002235
72	S-16	Edwards Substation Civil Crew (Foundations)	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.01918	0.099737	1.419334	0.001869	0.003836	0.003836	202.3388	0.008208	0.001642
73	S-16	Edwards Substation Civil Crew (Foundations)	Ditch Trencher	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
74	S-17	Edwards Substation Electrical Crew	Manlifts	Diesel	2	7.5	Aerial Lifts	60	0.31	2026	0.063174	0.955379	1.945003	0.003	0.018791	0.017288	324.6877	0.013171	0.002634
75	S-17	Edwards Substation Electrical Crew	14-ton crane	Diesel	1	7.5	Cranes	270	0.29	2026	0.064733	0.336612	3.366124	0.006307	0.012947	0.012947	683.0167	0.027706	0.005541
76	S-17	Edwards Substation Electrical Crew	Forklift	Diesel	1	5	Forklifts	174	0.2	2026	0.01918	0.099737	1.419334	0.001869	0.003836	0.003836	202.3388	0.008208	0.001642
77	S-17	Edwards Substation Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.087989	0.457544	4.575435	0.008573	0.017598	0.017598	928.2163	0.037653	0.007531

Table 20: Off-Road Controlled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	597	0.046517	0.664236	1.301965	0.001976	0.013366	0.012296	213.8425	0.008674	0.001735
2	L-01	597	0.236925	2.371955	2.616521	0.005152	0.055494	0.051054	398.5301	0.016166	0.003233
3	L-02	299	0.012195	0.063413	0.902419	0.001186	0.002439	0.002439	128.345	0.005206	0.001041
4	L-02	299	0.034146	0.177557	1.775571	0.003321	0.006829	0.006829	359.4372	0.01458	0.002916
5	L-02	299	0.016	0.083198	1.183974	0.001568	0.0032	0.0032	169.8571	0.00689	0.001378
6	L-02	299	0.007016	0.036481	0.364815	0.000684	0.001403	0.001403	74.00978	0.003002	0.0006
7	L-02	299	0.021037	0.269062	0.533854	0.000796	0.006573	0.006047	86.18492	0.003496	0.000699
8	L-02	299	0.004308	0.022404	0.318822	0.00042	0.000862	0.000862	45.48697	0.001845	0.000369
9	L-03	298	0.007973	0.04146	0.590007	0.000781	0.001595	0.001595	84.6445	0.003434	0.000687
10	L-04	101	0.024883	0.129393	1.293933	0.002425	0.004977	0.004977	262.4996	0.010648	0.00213
11	L-04	101	0.008239	0.042841	0.609661	0.000801	0.001648	0.001648	86.70799	0.003517	0.000703
12	L-04	101	0.048319	0.251257	2.51257	0.004713	0.009664	0.009664	509.9679	0.020687	0.004137
13	L-04	101	0.012888	0.110231	0.053205	5.39E-05	0.008479	0.007801	5.86572	0.000238	4.76E-05
14	L-04	101	0.033178	0.172524	1.725244	0.003233	0.006636	0.006636	349.9994	0.014198	0.00284
15	L-05	235	0.112425	0.584608	5.846079	0.010965	0.022485	0.022485	1186.559	0.048132	0.009626
16	L-05	235	0.077196	0.401418	4.014182	0.007522	0.015439	0.015439	814.3551	0.033034	0.006607
17	L-05	235	0.040197	0.390224	0.500194	0.000695	0.022568	0.020763	75.3028	0.003055	0.000611
18	L-05	235	0.040197	0.390224	0.500194	0.000695	0.022568	0.020763	75.3028	0.003055	0.000611
19	L-05	235	0.020098	0.195112	0.250097	0.000348	0.011284	0.010381	37.6514	0.001527	0.000305
20	L-05	235	0.020098	0.195112	0.250097	0.000348	0.011284	0.010381	37.6514	0.001527	0.000305
21	L-05	235	0.040197	0.390224	0.500194	0.000695	0.022568	0.020763	75.3028	0.003055	0.000611
22	L-05	235	0.009585	0.04984	0.709259	0.000932	0.001917	0.001917	100.8732	0.004092	0.000818
23	L-05	235	0.026837	0.139552	1.395516	0.00261	0.005367	0.005367	282.5008	0.011459	0.002292
24	L-05	235	0.020098	0.195112	0.250097	0.000348	0.011284	0.010381	37.6514	0.001527	0.000305
25	L-05	235	0.020098	0.195112	0.250097	0.000348	0.011284	0.010381	37.6514	0.001527	0.000305
26	L-06	31	0.001192	0.006197	0.06197	0.000116	0.000238	0.000238	12.57789	0.00051	0.000102
27	L-07	81	0.001652	0.008589	0.122234	0.000161	0.00033	0.00033	17.38452	0.000705	0.000141
28	L-07	81	0.001084	0.005635	0.080186	0.000106	0.000217	0.000217	11.5037	0.000467	9.33E-05
29	L-07	81	0.000679	0.003529	0.050215	6.61E-05	0.000136	0.000136	7.157254	0.00029	5.81E-05
30	S-01	60	0.002007	0.010435	0.148492	0.000197	0.000401	0.000401	21.30315	0.000864	0.000173
31	S-01	70	0.007606	0.081947	0.112515	0.000161	0.003818	0.003512	17.41732	0.000707	0.000141
32	S-01	70	0.011459	0.059584	0.595843	0.001115	0.002292	0.002292	120.7911	0.0049	0.00098
33	S-01	80	0.005105	0.052272	0.096543	0.000136	0.00176	0.001619	14.69095	0.000596	0.000119
34	S-02	80	0.005105	0.052272	0.096543	0.000136	0.00176	0.001619	14.69095	0.000596	0.000119
35	S-02	60	0.002007	0.010435	0.148492	0.000197	0.000401	0.000401	21.30315	0.000864	0.000173
36	S-02	70	0.002535	0.027316	0.037505	5.36E-05	0.001273	0.001171	5.805774	0.000236	4.71E-05
37	S-02	40	0.002183	0.011349	0.113494	0.000212	0.000437	0.000437	23.00783	0.000933	0.000187
38	S-02	40	0.001081	0.00562	0.079972	0.000105	0.000216	0.000216	11.40977	0.000463	9.26E-05
39	S-03	80	0.007036	0.089987	0.178546	0.000266	0.002198	0.002022	28.82439	0.001169	0.000234
40	S-03	60	0.003884	0.020197	0.201967	0.000378	0.000777	0.000777	40.981	0.001662	0.000332
41	S-03	80	0.007657	0.078408	0.144814	0.000204	0.00264	0.002429	22.03643	0.000894	0.000179
42	S-03	100	0.001918	0.009974	0.141933	0.000187	0.000384	0.000384	20.23388	0.000821	0.000164
43	S-03	80	0.00241	0.018397	0.010972	3.23E-05	0.000693	0.000638	2.434122	9.87E-05	1.97E-05
44	S-03	20	0.001782	0.014285	0.009447	2.62E-05	0.000575	0.000529	1.877538	7.62E-05	1.52E-05
45	S-04	60	0.005279	0.027453	0.274526	0.000514	0.001056	0.001056	55.69298	0.002259	0.000452
46	S-04	140	0.008844	0.133753	0.2723	0.00042	0.002631	0.00242	45.45628	0.001844	0.000369
47	S-04	80	0.005179	0.026929	0.26929	0.000505	0.001036	0.001036	54.64134	0.002216	0.000443
48	S-04	120	0.002302	0.011968	0.17032	0.000224	0.00046	0.00046	24.28066	0.000985	0.000197
49	S-04	40	0.00176	0.009151	0.091509	0.000171	0.000352	0.000352	18.56433	0.000753	0.000151
50	S-10	20	0.00176	0.009151	0.091509	0.000171	0.000352	0.000352	18.56433	0.000753	0.000151
51	S-10	40	0.002527	0.038215	0.0778	0.00012	0.000752	0.000692	12.98751	0.000527	0.000105
52	S-10	15	0.000971	0.005049	0.050492	9.46E-05	0.000194	0.000194	10.24525	0.000416	8.31E-05
53	S-10	40	0.000767	0.003989	0.056773	7.48E-05	0.000153	0.000153	8.093553	0.000328	6.57E-05
54	S-10	10	0.00044	0.002288	0.022877	4.29E-05	8.8E-05	8.8E-05	4.641081	0.000188	3.77E-05
55	S-11	58	0.008327	0.085269	0.157486	0.000221	0.002871	0.002642	23.96462	0.000972	0.000194
56	S-11	58	0.001112	0.005785	0.082321	0.000108	0.000222	0.000222	11.73565	0.000476	9.52E-05
57	S-12	7	0.000223	0.002287	0.004224	5.94E-06	7.7E-05	7.08E-05	0.642729	2.61E-05	5.21E-06

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
58	S-12	7	0.000211	0.00161	0.00096	2.82E-06	6.07E-05	5.58E-05	0.212986	8.64E-06	1.73E-06
59	S-13	15	0.000324	0.001683	0.016831	3.15E-05	6.47E-05	6.47E-05	3.415084	0.000139	2.77E-05
60	S-13	15	0.000237	0.003583	0.007294	1.13E-05	7.05E-05	6.48E-05	1.217579	4.94E-05	9.88E-06
61	S-13	18	0.000173	0.000898	0.012774	1.68E-05	3.45E-05	3.45E-05	1.821049	7.39E-05	1.48E-05
62	S-14	10	0.000324	0.001683	0.016831	3.15E-05	6.47E-05	6.47E-05	3.415084	0.000139	2.77E-05
63	S-14	35	0.001675	0.017152	0.031678	4.45E-05	0.000578	0.000531	4.820469	0.000196	3.91E-05
64	S-14	35	0.000336	0.001745	0.024838	3.27E-05	6.71E-05	6.71E-05	3.540929	0.000144	2.87E-05
65	S-14	20	0.000603	0.004599	0.002743	8.06E-06	0.000173	0.000159	0.60853	2.47E-05	4.94E-06
66	S-15	80	0.002527	0.038215	0.0778	0.00012	0.000752	0.000692	12.98751	0.000527	0.000105
67	S-15	60	0.001942	0.010098	0.100984	0.000189	0.000388	0.000388	20.4905	0.000831	0.000166
68	S-15	60	0.000575	0.002992	0.04258	5.61E-05	0.000115	0.000115	6.070165	0.000246	4.92E-05
69	S-16	8	0.000215	0.001118	0.015906	2.1E-05	4.3E-05	4.3E-05	2.277561	9.24E-05	1.85E-05
70	S-16	30	0.000971	0.005049	0.050492	9.46E-05	0.000194	0.000194	10.24525	0.000416	8.31E-05
71	S-16	40	0.001914	0.019602	0.036204	5.09E-05	0.00066	0.000607	5.509108	0.000223	4.47E-05
72	S-16	44	0.000422	0.002194	0.031225	4.11E-05	8.44E-05	8.44E-05	4.451454	0.000181	3.61E-05
73	S-16	40	0.001205	0.009198	0.005486	1.61E-05	0.000347	0.000319	1.217061	4.94E-05	9.87E-06
74	S-17	60	0.001895	0.028661	0.05835	9E-05	0.000564	0.000519	9.740632	0.000395	7.9E-05
75	S-17	35	0.001133	0.005891	0.058907	0.00011	0.000227	0.000227	11.95279	0.000485	9.7E-05
76	S-17	60	0.000575	0.002992	0.04258	5.61E-05	0.000115	0.000115	6.070165	0.000246	4.92E-05
77	S-17	20	0.00088	0.004575	0.045754	8.57E-05	0.000176	0.000176	9.282163	0.000377	7.53E-05
						Total	0.316781	0.299101			

Table 21: On-Road Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Staging Areas	1-Ton Truck, 4x4	Diesel	4	2026	8	60	480	95	456	24	passenger	0.168865	0.947006	1.181994	0.003465	35.58211	3.7152	365.6902	0.007843	0.057615
2	L-01	Staging Areas	Water Truck	Diesel	4	2026	8	30	240	90	216	24	vendor	0.008754	0.49892	0.087755	0.005473	35.30622	3.555956	577.9178	0.000407	0.091051
3	L-02	Civil Crew (Road Work, Foundations, Ducts)	1-Ton Truck, 4x4	Diesel	7	2026	14	60	840	95	798	42	passenger	0.295514	1.657261	2.06849	0.006064	62.2687	6.5016	639.9579	0.013726	0.100826
4	L-02	Civil Crew (Road Work, Foundations, Ducts)	Lowboy Truck/Trailer	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	5.930054	0.608493	308.908	0.001115	0.048669
5	L-02	Civil Crew (Road Work, Foundations, Ducts)	3/4-Ton Truck, 4x4	Gasoline	7	2026	14	60	840	95	798	42	passenger	0.118628	0.219326	2.465188	0.005862	62.03385	6.277294	593.0026	0.012501	0.017052
6	L-02	Civil Crew (Road Work, Foundations, Ducts)	Water Truck	Diesel	2	2026	4	30	120	90	108	12	vendor	0.004377	0.24946	0.043878	0.002736	17.65311	1.777978	288.9589	0.000203	0.045526
7	L-02	Civil Crew (Road Work, Foundations, Ducts)	Dump Truck	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	5.930054	0.608493	308.908	0.001115	0.048669
8	L-02	Civil Crew (Road Work, Foundations, Ducts)	Concrete Mixer Truck	Diesel	7	2026	14	40	560	95	532	28	vendor	0.01938	1.093746	0.169889	0.012672	41.41575	4.212098	1338.187	0.0009	0.210832
9	L-03	Civil Crew (Road Maintenance)	Water Truck	Diesel	1	2026	2	30	60	90	54	6	vendor	0.002188	0.12473	0.021939	0.001368	8.826554	0.888989	144.4795	0.000102	0.022763
10	L-03	Civil Crew (Road Maintenance)	1-Ton Truck, 4x4	Diesel	1	2026	2	60	120	95	114	6	passenger	0.042216	0.236752	0.295499	0.000866	8.895528	0.9288	91.42256	0.001961	0.014404
11	L-04	Structure Installation	3/4-Ton Truck, 4x4	Gasoline	7	2026	14	60	840	95	798	42	passenger	0.118628	0.219326	2.465188	0.005862	62.03385	6.277294	593.0026	0.012501	0.017052
12	L-04	Structure Installation	Flat Bed Pole Truck	Diesel	1	2026	2	40	80	95	76	4	vendor	0.002769	0.156249	0.02427	0.00181	5.916536	0.601728	191.1695	0.000129	0.030119
13	L-04	Structure Installation	Water Truck	Diesel	2	2026	4	30	120	90	108	12	vendor	0.004377	0.24946	0.043878	0.002736	17.65311	1.777978	288.9589	0.000203	0.045526
14	L-04	Structure Installation	1-Ton Truck, 4x4	Diesel	7	2026	14	60	840	95	798	42	passenger	0.295514	1.657261	2.06849	0.006064	62.2687	6.5016	639.9579	0.013726	0.100826
15	L-04	Structure Installation	Jet A Fuel Truck	Diesel	1	2026	2	40	80	100	80	0	vendor	0.002769	0.156249	0.02427	0.00181	0.064347	0.018151	191.1695	0.000129	0.030119
16	L-04	Structure Installation	Helicopter Support Truck	Diesel	1	2026	2	40	80	100	80	0	vendor	0.002769	0.156249	0.02427	0.00181	0.064347	0.018151	191.1695	0.000129	0.030119
17	L-05	Install Conductor/Cable	3/4-Ton Truck, 4x4	Gasoline	7	2026	14	60	840	95	798	42	passenger	0.118628	0.219326	2.465188	0.005862	62.03385	6.277294	593.0026	0.012501	0.017052
18	L-05	Install Conductor/Cable	1-Ton Truck, 4x4	Diesel	7	2026	14	60	840	95	798	42	passenger	0.295514	1.657261	2.06849	0.006064	62.2687	6.5016	639.9579	0.013726	0.100826
19	L-05	Install Conductor/Cable	Dump Truck	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	5.930054	0.608493	308.908	0.001115	0.048669
20	L-05	Install Conductor/Cable	Water Truck	Diesel	2	2026	4	30	120	90	108	12	vendor	0.004377	0.24946	0.043878	0.002736	17.65311	1.777978	288.9589	0.000203	0.045526
21	L-05	Install Conductor/Cable	Jet A Fuel Truck	Diesel	1	2026	2	40	80	100	80	0	vendor	0.002769	0.156249	0.02427	0.00181	0.064347	0.018151	191.1695	0.000129	0.030119
22	L-05	Install Conductor/Cable	Helicopter Support Truck	Diesel	1	2026	2	40	80	100	80	0	vendor	0.002769	0.156249	0.02427	0.00181	0.064347	0.018151	191.1695	0.000129	0.030119
23	L-06	ADSS/OPGW Splicing	Splice Lab Truck	Diesel	1	2026	2	40	80	95	76	4	passenger	0.028144	0.157834	0.196999	0.000578	5.930352	0.6192	60.94837	0.001307	0.009602
24	L-06	ADSS/OPGW Splicing	Foreman Truck	Diesel	1	2026	2	60	120	95	114	6	passenger	0.042216	0.236752	0.295499	0.000866	8.895528	0.9288	91.42256	0.001961	0.014404
25	L-07	Restoration (at end of construction activities)	1-Ton Truck, 4x4	Diesel	2	2026	4	60	240	95	228	12	passenger	0.084433	0.473503	0.590997	0.001733	17.79106	1.8576	182.8451	0.003922	0.028807
26	L-07	Restoration (at end of construction activities)	Water Truck	Diesel	1	2026	2	30	60	90	54	6	vendor	0.002188	0.12473	0.021939	0.001368	8.826554	0.888989	144.4795	0.000102	0.022763
27	L-07	Restoration (at end of construction activities)	Lowboy Truck/Trailer	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	5.930054	0.608493	308.908	0.001115	0.048669
28	S-01	Cal City Substation Civil Crew (Site Grading)	Water Truck	diesel	6	2026	12	10	120	95	114	6	vendor	0.00617	0.370147	0.103661	0.002903	8.874998	0.902778	306.5957	0.000287	0.048304
29	S-01	Cal City Substation Civil Crew (Site Grading)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	23.72022	2.433971	1235.632	0.004462	0.194674
30	S-01	Cal City Substation Civil Crew (Site Grading)	Survey Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
31	S-01	Cal City Substation Civil Crew (Site Grading)	Soils Test Crew Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	5.90799	0.597841	56.59692	0.001335	0.00168
32	S-01	Cal City Substation Civil Crew (Site Grading)	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	26.58594	2.690269	254.144	0.005358	0.007308
33	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Water Truck	Diesel	2	2026	4	10	40	95	38	2	vendor	0.002057	0.123382	0.034554	0.000968	2.958333	0.300926	102.1986	9.55E-05	0.016101
34	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	23.72022	2.433971	1235.632	0.004462	0.194674
35	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Survey Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
36	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Soils Test Crew Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	5.90799	0.597841	56.59692	0.001335	0.00168
37	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	35.44792	3.587025	338.8586	0.007144	0.009744
38	S-03	Cal City Substation Civil Crew (Foundation)	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	26.58594	2.690269	254.144	0.005358	0.007308
39	S-03	Cal City Substation Civil Crew (Foundation)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	23.72022	2.433971	1235.632	0.004462	0.194674
40	S-04	Cal City Substation Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
41	S-04	Cal City Substation Electrical Crew	5-Ton Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	5.90799	0.597841	56.59692	0.001335	0.00168
42	S-04	Cal City Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	35.44792	3.587025	338.8586	0.007144	0.009744
43	S-05	Cal City Substation Maintenance Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
44	S-06	Cal City Substation Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
45	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
46	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
47	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
48	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
49	S-09	Cal City Substation Demolition - Maintenance Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
50	S-10	Cal City Substation Demolition - Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
51	S-10	Cal City Substation Demolition - Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	35.44792	3.587025	338.8586	0.007144	0.009744
52	S-11	Cal City Substation Demolition - Civil Crew	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	26.58594	2.690269	254.144	0.005358	0.007308
53	S-11	Cal City Substation Demolition - Civil Crew	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	23.72022	2.433971	1235.632	0.004462	0.194674
54	S-12	Holgate Substation Civil Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	35.44792	3.587025	338.8586	0.007144	0.009744
55	S-12	Holgate Substation Civil Crew	Dump Trucks	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	5.930054	0.608493	308.908	0.001115	0.048669
56	S-13	Holgate Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	35.44792	3.587025	338.8586	0.007144	0.009744
57	S-14	Kramer Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	35.44792	3.587025	338.8586	0.007144	0.009744
58	S-14	Kramer Substation Civil Crew (Foundations)	Dump Trucks	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	5.930054	0.608493	308.908	0.001115	0.048669
59	S-15	Kramer Substation Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	8.861979	0.896756	84.71466	0.001786	0.002436
60	S-15	Kramer Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	35.44792	3.587025	338.8586	0.007144	0.009744
61	S-16	Edwards Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	Gasoline	6	2026	12	60	720	95	684	36	passenger	0.101681	0.187994	2.113018	0.005025	53.17188	5.380537	508.2879	0.010715	0.014616
62	S-16	Edwards Substation Civil Crew (Foundations)	Dump Trucks	Diesel	2	2026	4	40	160	95	152	8	hhdt	0.04803	1.018659	0.659315	0.00585	11.86011	1.216986	617.8159	0.002231	0.097337
63	S-17	Edwards Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	7	2026	14	60	840	95	798	42	passenger	0.118628	0.219326	2.465188	0.005862	62.03385	6.277294	593.0026	0.012501	0.017052
64	L-01	Staging Areas	Worker Commute	Gasoline	12	2026	24	60	1440	100	1440	0	passenger	0.203362	0.375988	4.226036	0.01005	1.004357	0.256693	1016.576	0.021431	0.029232
65	L-02	Civil Crew (Road Work, Foundations, Ducts)	Worker Commute	Gasoline	6	2026	12	60	720	100	720	0	passenger	0.101681	0.187994	2.113018	0.005025	0.502178	0.128346	508.2879	0.010715	0.014616
66	L-03	Civil Crew (Road Maintenance)	Worker Commute	Gasoline	3	2026	6	60	360	100	360	0	passenger	0.050841	0.093997	1.056509	0.002512	0.251089	0.064173	254.144	0.005358	0.007308
67	L-04	Structure Installation	Worker Commute	Gasoline	28	2026	56	60	3360	100	3360	0	passenger	0.474512	0.877305	9.860752	0.02345	2.343499	0.598949	2372.01	0.050005	0.068209
68	L-05	Install Conductor/Cable	Worker Commute	Gasoline	28	2026	56	60	3360	100	3360	0	passenger	0.474512	0.877305	9.860752	0.02345	2.343499	0.598949	2372.01	0.050005	0.068209
69	L-06	ADSS/OPGW Splicing	Worker Commute	Gasoline	2	2026	4	60	240	100	240	0	passenger	0.033894	0.062665	0.704339	0.001675	0.167393	0.042782	169.4293	0.003572	0.004872

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
70	L-07	Restoration (at end of construction activities)	Worker Commute	Gasoline	5	2026	10	60	600	100	600	0	passenger	0.084734	0.156662	1.760849	0.004187	0.418482	0.106955	423.5733	0.008929	0.01218
71	S-01	Cal City Substation Civil Crew (Site Grading)	Worker Commute	Gasoline	27	2026	54	60	3240	100	3240	0	passenger	0.457565	0.845973	9.508582	0.022612	2.259803	0.577558	2287.296	0.048219	0.065773
72	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Worker Commute	Gasoline	20	2026	40	60	2400	100	2400	0	passenger	0.338937	0.626647	7.043394	0.01675	1.673928	0.427821	1694.293	0.035718	0.04872
73	S-03	Cal City Substation Civil Crew (Foundation)	Worker Commute	Gasoline	22	2026	44	60	2640	100	2640	0	passenger	0.372831	0.689311	7.747733	0.018425	1.841321	0.470603	1863.722	0.03929	0.053592
74	S-04	Cal City Substation Electrical Crew	Worker Commute	Gasoline	18	2026	36	60	2160	100	2160	0	passenger	0.305043	0.563982	6.339055	0.015075	1.506535	0.385039	1524.864	0.032146	0.043848
75	S-05	Cal City Substation Maintenance Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.083696	0.021391	84.71466	0.001786	0.002436
76	S-06	Cal City Substation Test Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.083696	0.021391	84.71466	0.001786	0.002436
77	S-07	Cal City Substation Test Crew and Wireman (Cutover)	Worker Commute	Gasoline	2	2026	4	60	240	100	240	0	passenger	0.033894	0.062665	0.704339	0.001675	0.167393	0.042782	169.4293	0.003572	0.004872
78	S-08	Cal City Substation Demolition - Test Crew	Worker Commute	Gasoline	4	2026	8	60	480	100	480	0	passenger	0.067787	0.125329	1.408679	0.00335	0.334786	0.085564	338.8586	0.007144	0.009744
79	S-09	Cal City Substation Demolition - Maintenance Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.083696	0.021391	84.71466	0.001786	0.002436
80	S-10	Cal City Substation Demolition - Electrical Crew	Worker Commute	Gasoline	20	2026	40	60	2400	100	2400	0	passenger	0.338937	0.626647	7.043394	0.01675	1.673928	0.427821	1694.293	0.035718	0.04872
81	S-11	Cal City Substation Demolition - Civil Crew	Worker Commute	Gasoline	14	2026	28	60	1680	100	1680	0	passenger	0.237256	0.438653	4.930376	0.011725	1.17175	0.299475	1186.005	0.025003	0.034104
82	S-12	Holgate Substation Civil Crew	Worker Commute	Gasoline	9	2026	18	60	1080	100	1080	0	passenger	0.152522	0.281991	3.169527	0.007537	0.753268	0.192519	762.4319	0.016073	0.021924
83	S-13	Holgate Substation Electrical Crew	Worker Commute	Gasoline	10	2026	20	60	1200	100	1200	0	passenger	0.169468	0.313323	3.521697	0.008375	0.836964	0.21391	847.1466	0.017859	0.02436
84	S-14	Kramer Substation Civil Crew (Foundations)	Worker Commute	Gasoline	9	2026	18	60	1080	100	1080	0	passenger	0.152522	0.281991	3.169527	0.007537	0.753268	0.192519	762.4319	0.016073	0.021924
85	S-15	Kramer Substation Electrical Crew	Worker Commute	Gasoline	12	2026	24	60	1440	100	1440	0	passenger	0.203362	0.375988	4.226036	0.01005	1.004357	0.256693	1016.576	0.021431	0.029232
86	S-16	Edwards Substation Civil Crew (Foundations)	Worker Commute	Gasoline	15	2026	30	60	1800	100	1800	0	passenger	0.254203	0.469985	5.282546	0.012562	1.255446	0.320866	1270.72	0.026788	0.03654
87	S-17	Edwards Substation Electrical Crew	Worker Commute	Gasoline	17	2026	34	60	2040	100	2040	0	passenger	0.288096	0.53265	5.986885	0.014237	1.422839	0.363648	1440.149	0.03036	0.041412

Table 22: On-Road Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	597	0.050406	0.282681	0.352825	0.001034	10.62126	1.108987	109.1585	0.002341	0.017198
2	L-01	597	0.002613	0.148928	0.026195	0.001634	10.53891	1.061453	172.5085	0.000121	0.027179
3	L-02	299	0.044179	0.247761	0.309239	0.000907	9.30917	0.971989	95.67371	0.002052	0.015073
4	L-02	299	0.00359	0.076145	0.049284	0.000437	0.886543	0.09097	46.18174	0.000167	0.007276
5	L-02	299	0.017735	0.032789	0.368546	0.000876	9.274061	0.938455	88.65389	0.001869	0.002549
6	L-02	299	0.000654	0.037294	0.00656	0.000409	2.63914	0.265808	43.19936	3.04E-05	0.006806
7	L-02	299	0.00359	0.076145	0.049284	0.000437	0.886543	0.09097	46.18174	0.000167	0.007276
8	L-02	299	0.002897	0.163515	0.025398	0.001894	6.191655	0.629709	200.0589	0.000135	0.031519
9	L-03	298	0.000326	0.018585	0.003269	0.000204	1.315157	0.132459	21.52744	1.51E-05	0.003392
10	L-03	298	0.00629	0.035276	0.044029	0.000129	1.325434	0.138391	13.62196	0.000292	0.002146
11	L-04	101	0.005991	0.011076	0.124492	0.000296	3.13271	0.317003	29.94663	0.000631	0.000861
12	L-04	101	0.00014	0.007891	0.001226	9.14E-05	0.298785	0.030387	9.654062	6.49E-06	0.001521
13	L-04	101	0.000221	0.012598	0.002216	0.000138	0.891482	0.089788	14.59242	1.03E-05	0.002299
14	L-04	101	0.014923	0.083692	0.104459	0.000306	3.144569	0.328331	32.31787	0.000693	0.005092
15	L-04	101	0.00014	0.007891	0.001226	9.14E-05	0.00325	0.000917	9.654062	6.49E-06	0.001521
16	L-04	101	0.00014	0.007891	0.001226	9.14E-05	0.00325	0.000917	9.654062	6.49E-06	0.001521
17	L-05	235	0.013939	0.025771	0.28966	0.000689	7.288978	0.737582	69.67781	0.001469	0.002004
18	L-05	235	0.034723	0.194728	0.243048	0.000713	7.316572	0.763938	75.19505	0.001613	0.011847
19	L-05	235	0.002822	0.059846	0.038735	0.000344	0.696781	0.071498	36.29669	0.000131	0.005719
20	L-05	235	0.000514	0.029312	0.005156	0.000322	2.07424	0.208912	33.95267	2.39E-05	0.005349
21	L-05	235	0.000325	0.018359	0.002852	0.000213	0.007561	0.002133	22.46242	1.51E-05	0.003539
22	L-05	235	0.000325	0.018359	0.002852	0.000213	0.007561	0.002133	22.46242	1.51E-05	0.003539
23	L-06	31	0.000436	0.002446	0.003053	8.95E-06	0.09192	0.009598	0.9447	2.03E-05	0.000149
24	L-06	31	0.000654	0.00367	0.00458	1.34E-05	0.137881	0.014396	1.41705	3.04E-05	0.000223
25	L-07	81	0.00342	0.019177	0.023935	7.02E-05	0.720538	0.075233	7.405227	0.000159	0.001167
26	L-07	81	8.86E-05	0.005052	0.000889	5.54E-05	0.357475	0.036004	5.851418	4.12E-06	0.000922
27	L-07	81	0.000973	0.020628	0.013351	0.000118	0.240167	0.024644	12.51077	4.52E-05	0.001971
28	S-01	80	0.000247	0.014806	0.004146	0.000116	0.355	0.036111	12.26383	1.15E-05	0.001932
29	S-01	60	0.002882	0.06112	0.039559	0.000351	0.711607	0.073019	37.06896	0.000134	0.00584
30	S-01	30	0.000254	0.00047	0.005283	1.26E-05	0.13293	0.013451	1.27072	2.68E-05	3.65E-05
31	S-01	60	0.00045	0.000643	0.007255	1.68E-05	0.17724	0.017935	1.697907	4.01E-05	5.04E-05
32	S-01	83	0.00211	0.003901	0.043845	0.000104	1.103316	0.111646	10.54697	0.000222	0.000303
33	S-02	80	8.23E-05	0.004935	0.001382	3.87E-05	0.118333	0.012037	4.087942	3.82E-06	0.000644
34	S-02	60	0.002882	0.06112	0.039559	0.000351	0.711607	0.073019	37.06896	0.000134	0.00584
35	S-02	70	0.000593	0.001097	0.012326	2.93E-05	0.310169	0.031386	2.965013	6.25E-05	8.53E-05
36	S-02	60	0.00045	0.000643	0.007255	1.68E-05	0.17724	0.017935	1.697907	4.01E-05	5.04E-05
37	S-02	80	0.002711	0.005013	0.056347	0.000134	1.417917	0.143481	13.55435	0.000286	0.00039
38	S-03	120	0.00305	0.00564	0.063391	0.000151	1.595156	0.161416	15.24864	0.000321	0.000438
39	S-03	80	0.003842	0.081493	0.052745	0.000468	0.948809	0.097359	49.42528	0.000178	0.007787
40	S-04	180	0.001525	0.00282	0.031695	7.54E-05	0.797578	0.080708	7.624319	0.000161	0.000219
41	S-04	100	0.00075	0.001071	0.012091	2.8E-05	0.2954	0.029892	2.829846	6.68E-05	8.4E-05
42	S-04	180	0.006101	0.01128	0.126781	0.000301	3.190313	0.322832	30.49728	0.000643	0.000877
43	S-05	39	0.00033	0.000611	0.006867	1.63E-05	0.172809	0.017487	1.651936	3.48E-05	4.75E-05
44	S-06	39	0.00033	0.000611	0.006867	1.63E-05	0.172809	0.017487	1.651936	3.48E-05	4.75E-05
45	S-07	20	0.000169	0.000313	0.003522	8.37E-06	0.08862	0.008968	0.847147	1.79E-05	2.44E-05
46	S-07	20	0.000169	0.000313	0.003522	8.37E-06	0.08862	0.008968	0.847147	1.79E-05	2.44E-05
47	S-08	10	8.47E-05	0.000157	0.001761	4.19E-06	0.04431	0.004484	0.423573	8.93E-06	1.22E-05
48	S-08	10	8.47E-05	0.000157	0.001761	4.19E-06	0.04431	0.004484	0.423573	8.93E-06	1.22E-05
49	S-09	10	8.47E-05	0.000157	0.001761	4.19E-06	0.04431	0.004484	0.423573	8.93E-06	1.22E-05
50	S-10	40	0.000339	0.000627	0.007043	1.67E-05	0.17724	0.017935	1.694293	3.57E-05	4.87E-05
51	S-10	40	0.001356	0.002507	0.028174	6.7E-05	0.708958	0.07174	6.777173	0.000143	0.000195
52	S-11	58	0.001474	0.002726	0.030639	7.29E-05	0.770992	0.078018	7.370175	0.000155	0.000212
53	S-11	58	0.002786	0.059082	0.03824	0.000339	0.687886	0.070585	35.83332	0.000129	0.005646
54	S-12	7	0.000237	0.000439	0.00493	1.17E-05	0.124068	0.012555	1.186005	2.5E-05	3.41E-05
55	S-12	7	8.41E-05	0.001783	0.001154	1.02E-05	0.020755	0.00213	1.081178	3.9E-06	0.00017
56	S-13	18	0.00061	0.001128	0.012678	3.01E-05	0.319031	0.032283	3.049728	6.43E-05	8.77E-05
57	S-14	35	0.001186	0.002193	0.024652	5.86E-05	0.620339	0.062773	5.930026	0.000125	0.000171

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
58	S-14	35	0.00042	0.008913	0.005769	5.12E-05	0.103776	0.010649	5.40589	1.95E-05	0.000852
59	S-15	90	0.000763	0.00141	0.015848	3.77E-05	0.398789	0.040354	3.81216	8.04E-05	0.00011
60	S-15	90	0.00305	0.00564	0.063391	0.000151	1.595156	0.161416	15.24864	0.000321	0.000438
61	S-16	44	0.002237	0.004136	0.046486	0.000111	1.169781	0.118372	11.18233	0.000236	0.000322
62	S-16	40	0.000961	0.020373	0.013186	0.000117	0.237202	0.02434	12.35632	4.46E-05	0.001947
63	S-17	80	0.004745	0.008773	0.098608	0.000234	2.481354	0.251092	23.7201	0.0005	0.000682
64	L-01	597	0.060704	0.112232	1.261472	0.003	0.299801	0.076623	303.4479	0.006397	0.008726
65	L-02	299	0.015201	0.028105	0.315896	0.000751	0.075076	0.019188	75.98905	0.001602	0.002185
66	L-03	298	0.007575	0.014006	0.15742	0.000374	0.037412	0.009562	37.86745	0.000798	0.001089
67	L-04	101	0.023963	0.044304	0.497968	0.001184	0.118347	0.030247	119.7865	0.002525	0.003445
68	L-05	235	0.055755	0.103083	1.158638	0.002755	0.275361	0.070377	278.7112	0.005876	0.008015
69	L-06	31	0.000525	0.000971	0.010917	2.6E-05	0.002595	0.000663	2.626154	5.54E-05	7.55E-05
70	L-07	81	0.003432	0.006345	0.071314	0.00017	0.016949	0.004332	17.15472	0.000362	0.000493
71	S-01	83	0.018989	0.035108	0.394606	0.000938	0.093782	0.023969	94.92277	0.002001	0.00273
72	S-02	87	0.014744	0.027259	0.306388	0.000729	0.072816	0.01861	73.70175	0.001554	0.002119
73	S-03	123	0.022929	0.042393	0.476486	0.001133	0.113241	0.028942	114.6189	0.002416	0.003296
74	S-04	190	0.028979	0.053578	0.60221	0.001432	0.143121	0.036579	144.8621	0.003054	0.004166
75	S-05	39	0.00033	0.000611	0.006867	1.63E-05	0.001632	0.000417	1.651936	3.48E-05	4.75E-05
76	S-06	39	0.00033	0.000611	0.006867	1.63E-05	0.001632	0.000417	1.651936	3.48E-05	4.75E-05
77	S-07	20	0.000339	0.000627	0.007043	1.67E-05	0.001674	0.000428	1.694293	3.57E-05	4.87E-05
78	S-08	10	0.000339	0.000627	0.007043	1.67E-05	0.001674	0.000428	1.694293	3.57E-05	4.87E-05
79	S-09	10	8.47E-05	0.000157	0.001761	4.19E-06	0.000418	0.000107	0.423573	8.93E-06	1.22E-05
80	S-10	40	0.006779	0.012533	0.140868	0.000335	0.033479	0.008556	33.88586	0.000714	0.000974
81	S-11	58	0.00688	0.012721	0.142981	0.00034	0.033981	0.008685	34.39415	0.000725	0.000989
82	S-12	7	0.000534	0.000987	0.011093	2.64E-05	0.002636	0.000674	2.668512	5.63E-05	7.67E-05
83	S-13	18	0.001525	0.00282	0.031695	7.54E-05	0.007533	0.001925	7.624319	0.000161	0.000219
84	S-14	35	0.002669	0.004935	0.055467	0.000132	0.013182	0.003369	13.34256	0.000281	0.000384
85	S-15	102	0.010371	0.019175	0.215528	0.000513	0.051222	0.013091	51.84537	0.001093	0.001491
86	S-16	44	0.005592	0.01034	0.116216	0.000276	0.02762	0.007059	27.95584	0.000589	0.000804
87	S-17	132	0.019014	0.035155	0.395134	0.00094	0.093907	0.024001	95.04985	0.002004	0.002733

Table 23: On-Road Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Staging Areas	1-Ton Truck, 4x4	Diesel	4	2026	8	60	480	95	456	24	passenger	0.168865	0.947006	1.181994	0.003465	9.779856	1.140462	365.6902	0.007843	0.057615
2	L-01	Staging Areas	Water Truck	Diesel	4	2026	8	30	240	90	216	24	vendor	0.008754	0.49892	0.087755	0.005473	9.50396	0.981218	577.9178	0.000407	0.091051
3	L-02	Civil Crew (Road Work, Foundations, Ducts)	1-Ton Truck, 4x4	Diesel	7	2026	14	60	840	95	798	42	passenger	0.295514	1.657261	2.06849	0.006064	17.11475	1.995808	639.9579	0.013726	0.100826
4	L-02	Civil Crew (Road Work, Foundations, Ducts)	Lowboy Truck/Trailer	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	1.629678	0.17937	308.908	0.001115	0.048669
5	L-02	Civil Crew (Road Work, Foundations, Ducts)	3/4-Ton Truck, 4x4	Gasoline	7	2026	14	60	840	95	798	42	passenger	0.118628	0.219326	2.465188	0.005862	16.87991	1.771502	593.0026	0.012501	0.017052
6	L-02	Civil Crew (Road Work, Foundations, Ducts)	Water Truck	Diesel	2	2026	4	30	120	90	108	12	vendor	0.004377	0.24946	0.043878	0.002736	4.75198	0.490609	288.9589	0.000203	0.045526
7	L-02	Civil Crew (Road Work, Foundations, Ducts)	Dump Truck	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	1.629678	0.17937	308.908	0.001115	0.048669
8	L-02	Civil Crew (Road Work, Foundations, Ducts)	Concrete Mixer Truck	Diesel	7	2026	14	40	560	95	532	28	vendor	0.01938	1.093746	0.169889	0.012672	11.31312	1.208236	1338.187	0.0009	0.210832
9	L-03	Civil Crew (Road Maintenance)	Water Truck	Diesel	1	2026	2	30	60	90	54	6	vendor	0.002188	0.12473	0.021939	0.001368	2.37599	0.245305	144.4795	0.000102	0.022763
10	L-03	Civil Crew (Road Maintenance)	1-Ton Truck, 4x4	Diesel	1	2026	2	60	120	95	114	6	passenger	0.042216	0.236752	0.295499	0.000866	2.444964	0.285115	91.42256	0.001961	0.014404
11	L-04	Structure Installation	3/4-Ton Truck, 4x4	Gasoline	7	2026	14	60	840	95	798	42	passenger	0.118628	0.219326	2.465188	0.005862	16.87991	1.771502	593.0026	0.012501	0.017052
12	L-04	Structure Installation	Flat Bed Pole Truck	Diesel	1	2026	2	40	80	95	76	4	vendor	0.002769	0.156249	0.02427	0.00181	1.61616	0.172605	191.1695	0.000129	0.030119
13	L-04	Structure Installation	Water Truck	Diesel	2	2026	4	30	120	90	108	12	vendor	0.004377	0.24946	0.043878	0.002736	4.75198	0.490609	288.9589	0.000203	0.045526
14	L-04	Structure Installation	1-Ton Truck, 4x4	Diesel	7	2026	14	60	840	95	798	42	passenger	0.295514	1.657261	2.06849	0.006064	17.11475	1.995808	639.9579	0.013726	0.100826
15	L-04	Structure Installation	Jet A Fuel Truck	Diesel	1	2026	2	40	80	100	80	0	vendor	0.002769	0.156249	0.02427	0.00181	0.064347	0.018151	191.1695	0.000129	0.030119
16	L-04	Structure Installation	Helicopter Support Truck	Diesel	1	2026	2	40	80	100	80	0	vendor	0.002769	0.156249	0.02427	0.00181	0.064347	0.018151	191.1695	0.000129	0.030119
17	L-05	Install Conductor/Cable	3/4-Ton Truck, 4x4	Gasoline	7	2026	14	60	840	95	798	42	passenger	0.118628	0.219326	2.465188	0.005862	16.87991	1.771502	593.0026	0.012501	0.017052
18	L-05	Install Conductor/Cable	1-Ton Truck, 4x4	Diesel	7	2026	14	60	840	95	798	42	passenger	0.295514	1.657261	2.06849	0.006064	17.11475	1.995808	639.9579	0.013726	0.100826
19	L-05	Install Conductor/Cable	Dump Truck	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	1.629678	0.17937	308.908	0.001115	0.048669
20	L-05	Install Conductor/Cable	Water Truck	Diesel	2	2026	4	30	120	90	108	12	vendor	0.004377	0.24946	0.043878	0.002736	4.75198	0.490609	288.9589	0.000203	0.045526
21	L-05	Install Conductor/Cable	Jet A Fuel Truck	Diesel	1	2026	2	40	80	100	80	0	vendor	0.002769	0.156249	0.02427	0.00181	0.064347	0.018151	191.1695	0.000129	0.030119
22	L-05	Install Conductor/Cable	Helicopter Support Truck	Diesel	1	2026	2	40	80	100	80	0	vendor	0.002769	0.156249	0.02427	0.00181	0.064347	0.018151	191.1695	0.000129	0.030119
23	L-06	ADSS/OPGW Splicing	Splice Lab Truck	Diesel	1	2026	2	40	80	95	76	4	passenger	0.028144	0.157834	0.196999	0.000578	1.629976	0.190077	60.94837	0.001307	0.009602
24	L-06	ADSS/OPGW Splicing	Foreman Truck	Diesel	1	2026	2	60	120	95	114	6	passenger	0.042216	0.236752	0.295499	0.000866	2.444964	0.285115	91.42256	0.001961	0.014404
25	L-07	Restoration (at end of construction activities)	1-Ton Truck, 4x4	Diesel	2	2026	4	60	240	95	228	12	passenger	0.084433	0.473503	0.590997	0.001733	4.889928	0.570231	182.8451	0.003922	0.028807
26	L-07	Restoration (at end of construction activities)	Water Truck	Diesel	1	2026	2	30	60	90	54	6	vendor	0.002188	0.12473	0.021939	0.001368	2.37599	0.245305	144.4795	0.000102	0.022763
27	L-07	Restoration (at end of construction activities)	Lowboy Truck/Trailer	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	1.629678	0.17937	308.908	0.001115	0.048669
28	S-01	Cal City Substation Civil Crew (Site Grading)	Water Truck	diesel	6	2026	12	10	120	95	114	6	vendor	0.00617	0.370147	0.103661	0.002903	2.424434	0.259093	306.5957	0.000287	0.048304
29	S-01	Cal City Substation Civil Crew (Site Grading)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	6.518713	0.717479	1235.632	0.004462	0.194674
30	S-01	Cal City Substation Civil Crew (Site Grading)	Survey Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
31	S-01	Cal City Substation Civil Crew (Site Grading)	Soils Test Crew Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	1.607614	0.168718	56.59692	0.001335	0.00168
32	S-01	Cal City Substation Civil Crew (Site Grading)	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	7.234245	0.759215	254.144	0.005358	0.007308
33	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Water Truck	Diesel	2	2026	4	10	40	95	38	2	vendor	0.002057	0.123382	0.034554	0.000968	0.808145	0.086364	102.1986	9.55E-05	0.016101
34	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	6.518713	0.717479	1235.632	0.004462	0.194674
35	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Survey Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
36	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Soils Test Crew Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	1.607614	0.168718	56.59692	0.001335	0.00168
37	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	9.64566	1.012287	338.8586	0.007144	0.009744
38	S-03	Cal City Substation Civil Crew (Foundation)	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	7.234245	0.759215	254.144	0.005358	0.007308
39	S-03	Cal City Substation Civil Crew (Foundation)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	6.518713	0.717479	1235.632	0.004462	0.194674
40	S-04	Cal City Substation Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
41	S-04	Cal City Substation Electrical Crew	5-Ton Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	1.607614	0.168718	56.59692	0.001335	0.00168
42	S-04	Cal City Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	9.64566	1.012287	338.8586	0.007144	0.009744
43	S-05	Cal City Substation Maintenance Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
44	S-06	Cal City Substation Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
45	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
46	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
47	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
48	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
49	S-09	Cal City Substation Demolition - Maintenance Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
50	S-10	Cal City Substation Demolition - Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
51	S-10	Cal City Substation Demolition - Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	9.64566	1.012287	338.8586	0.007144	0.009744
52	S-11	Cal City Substation Demolition - Civil Crew	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	7.234245	0.759215	254.144	0.005358	0.007308
53	S-11	Cal City Substation Demolition - Civil Crew	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	6.518713	0.717479	1235.632	0.004462	0.194674
54	S-12	Holgate Substation Civil Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	9.64566	1.012287	338.8586	0.007144	0.009744
55	S-12	Holgate Substation Civil Crew	Dump Trucks	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	1.629678	0.17937	308.908	0.001115	0.048669
56	S-13	Holgate Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	9.64566	1.012287	338.8586	0.007144	0.009744
57	S-14	Kramer Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	9.64566	1.012287	338.8586	0.007144	0.009744
58	S-14	Kramer Substation Civil Crew (Foundations)	Dump Trucks	Diesel	1	2026	2	40	80	95	76	4	hhdt	0.024015	0.509329	0.329657	0.002925	1.629678	0.17937	308.908	0.001115	0.048669
59	S-15	Kramer Substation Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	2.411415	0.253072	84.71466	0.001786	0.002436
60	S-15	Kramer Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	9.64566	1.012287	338.8586	0.007144	0.009744
61	S-16	Edwards Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	Gasoline	6	2026	12	60	720	95	684	36	passenger	0.101681	0.187994	2.113018	0.005025	14.46849	1.51843	508.2879	0.010715	0.014616
62	S-16	Edwards Substation Civil Crew (Foundations)	Dump Trucks	Diesel	2	2026	4	40	160	95	152	8	hhdt	0.04803	1.018659	0.659315	0.00585	3.259356	0.35874	617.8159	0.002231	0.097337
63	S-17	Edwards Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	7	2026	14	60	840	95	798	42	passenger	0.118628	0.219326	2.465188	0.005862	16.87991	1.771502	593.0026	0.012501	0.017052
64	L-01	Staging Areas	Worker Commute	Gasoline	12	2026	24	60	1440	100	1440	0	passenger	0.203362	0.375988	4.226036	0.01005	1.004357	0.256693	1016.576	0.021431	0.029232
65	L-02	Civil Crew (Road Work, Foundations, Ducts)	Worker Commute	Gasoline	6	2026	12	60	720	100	720	0	passenger	0.101681	0.187994	2.113018	0.005025	0.502178	0.128346	508.2879	0.010715	0.014616
66	L-03	Civil Crew (Road Maintenance)	Worker Commute	Gasoline	3	2026	6	60	360	100	360	0	passenger	0.050841	0.093997	1.056509	0.002512	0.251089	0.064173	254.144	0.005358	0.007308
67	L-04	Structure Installation	Worker Commute	Gasoline	28	2026	56	60	3360	100	3360	0	passenger	0.474512	0.877305	9.860752	0.02345	2.343499	0.598949	2372.01	0.050005	0.068209
68	L-05	Install Conductor/Cable	Worker Commute	Gasoline	28	2026	56	60	3360	100	3360	0	passenger	0.474512	0.877305	9.860752	0.02345	2.343499	0.598949	2372.01	0.050005	0.068209
69	L-06	ADSS/OPGW Splicing	Worker Commute	Gasoline	2	2026	4	60	240	100	240	0	passenger	0.033894	0.062665	0.704339	0.001675	0.167393	0.042782	169.4293	0.003572	0.004872

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
70	L-07	Restoration (at end of construction activities)	Worker Commute	Gasoline	5	2026	10	60	600	100	600	0	passenger	0.084734	0.156662	1.760849	0.004187	0.418482	0.106955	423.5733	0.008929	0.01218
71	S-01	Cal City Substation Civil Crew (Site Grading)	Worker Commute	Gasoline	27	2026	54	60	3240	100	3240	0	passenger	0.457565	0.845973	9.508582	0.022612	2.259803	0.577558	2287.296	0.048219	0.065773
72	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Worker Commute	Gasoline	20	2026	40	60	2400	100	2400	0	passenger	0.338937	0.626647	7.043394	0.01675	1.673928	0.427821	1694.293	0.035718	0.04872
73	S-03	Cal City Substation Civil Crew (Foundation)	Worker Commute	Gasoline	22	2026	44	60	2640	100	2640	0	passenger	0.372831	0.689311	7.747733	0.018425	1.841321	0.470603	1863.722	0.03929	0.053592
74	S-04	Cal City Substation Electrical Crew	Worker Commute	Gasoline	18	2026	36	60	2160	100	2160	0	passenger	0.305043	0.563982	6.339055	0.015075	1.506535	0.385039	1524.864	0.032146	0.043848
75	S-05	Cal City Substation Maintenance Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.083696	0.021391	84.71466	0.001786	0.002436
76	S-06	Cal City Substation Test Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.083696	0.021391	84.71466	0.001786	0.002436
77	S-07	Cal City Substation Test Crew and Wireman (Cutover)	Worker Commute	Gasoline	2	2026	4	60	240	100	240	0	passenger	0.033894	0.062665	0.704339	0.001675	0.167393	0.042782	169.4293	0.003572	0.004872
78	S-08	Cal City Substation Demolition - Test Crew	Worker Commute	Gasoline	4	2026	8	60	480	100	480	0	passenger	0.067787	0.125329	1.408679	0.00335	0.334786	0.085564	338.8586	0.007144	0.009744
79	S-09	Cal City Substation Demolition - Maintenance Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.083696	0.021391	84.71466	0.001786	0.002436
80	S-10	Cal City Substation Demolition - Electrical Crew	Worker Commute	Gasoline	20	2026	40	60	2400	100	2400	0	passenger	0.338937	0.626647	7.043394	0.01675	1.673928	0.427821	1694.293	0.035718	0.04872
81	S-11	Cal City Substation Demolition - Civil Crew	Worker Commute	Gasoline	14	2026	28	60	1680	100	1680	0	passenger	0.237256	0.438653	4.930376	0.011725	1.17175	0.299475	1186.005	0.025003	0.034104
82	S-12	Holgate Substation Civil Crew	Worker Commute	Gasoline	9	2026	18	60	1080	100	1080	0	passenger	0.152522	0.281991	3.169527	0.007537	0.753268	0.192519	762.4319	0.016073	0.021924
83	S-13	Holgate Substation Electrical Crew	Worker Commute	Gasoline	10	2026	20	60	1200	100	1200	0	passenger	0.169468	0.313323	3.521697	0.008375	0.836964	0.21391	847.1466	0.017859	0.02436
84	S-14	Kramer Substation Civil Crew (Foundations)	Worker Commute	Gasoline	9	2026	18	60	1080	100	1080	0	passenger	0.152522	0.281991	3.169527	0.007537	0.753268	0.192519	762.4319	0.016073	0.021924
85	S-15	Kramer Substation Electrical Crew	Worker Commute	Gasoline	12	2026	24	60	1440	100	1440	0	passenger	0.203362	0.375988	4.226036	0.01005	1.004357	0.256693	1016.576	0.021431	0.029232
86	S-16	Edwards Substation Civil Crew (Foundations)	Worker Commute	Gasoline	15	2026	30	60	1800	100	1800	0	passenger	0.254203	0.469985	5.282546	0.012562	1.255446	0.320866	1270.72	0.026788	0.03654
87	S-17	Edwards Substation Electrical Crew	Worker Commute	Gasoline	17	2026	34	60	2040	100	2040	0	passenger	0.288096	0.53265	5.986885	0.014237	1.422839	0.363648	1440.149	0.03036	0.041412

Table 24: On-Road Controlled Emissions (tons)

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	597	0.050406	0.282681	0.352825	0.001034	2.919287	0.340428	109.1585	0.002341	0.017198
2	L-01	597	0.002613	0.148928	0.026195	0.001634	2.836932	0.292894	172.5085	0.000121	0.027179
3	L-02	299	0.044179	0.247761	0.309239	0.000907	2.558655	0.298373	95.67371	0.002052	0.015073
4	L-02	299	0.00359	0.076145	0.049284	0.000437	0.243637	0.026816	46.18174	0.000167	0.007276
5	L-02	299	0.017735	0.032789	0.368546	0.000876	2.523546	0.264839	88.65389	0.001869	0.002549
6	L-02	299	0.000654	0.037294	0.00656	0.000409	0.710421	0.073346	43.19936	3.04E-05	0.006806
7	L-02	299	0.00359	0.076145	0.049284	0.000437	0.243637	0.026816	46.18174	0.000167	0.007276
8	L-02	299	0.002897	0.163515	0.025398	0.001894	1.691311	0.180631	200.0589	0.000135	0.031519
9	L-03	298	0.000326	0.018585	0.003269	0.000204	0.354023	0.03655	21.52744	1.51E-05	0.003392
10	L-03	298	0.00629	0.035276	0.044029	0.000129	0.3643	0.042482	13.62196	0.000292	0.002146
11	L-04	101	0.005991	0.011076	0.124492	0.000296	0.852435	0.089461	29.94663	0.000631	0.000861
12	L-04	101	0.00014	0.007891	0.001226	9.14E-05	0.081616	0.008717	9.654062	6.49E-06	0.001521
13	L-04	101	0.000221	0.012598	0.002216	0.000138	0.239975	0.024776	14.59242	1.03E-05	0.002299
14	L-04	101	0.014923	0.083692	0.104459	0.000306	0.864295	0.100788	32.31787	0.000693	0.005092
15	L-04	101	0.00014	0.007891	0.001226	9.14E-05	0.00325	0.000917	9.654062	6.49E-06	0.001521
16	L-04	101	0.00014	0.007891	0.001226	9.14E-05	0.00325	0.000917	9.654062	6.49E-06	0.001521
17	L-05	235	0.013939	0.025771	0.28966	0.000689	1.983389	0.208151	69.67781	0.001469	0.002004
18	L-05	235	0.034723	0.194728	0.243048	0.000713	2.010983	0.234507	75.19505	0.001613	0.011847
19	L-05	235	0.002822	0.059846	0.038735	0.000344	0.191487	0.021076	36.29669	0.000131	0.005719
20	L-05	235	0.000514	0.029312	0.005156	0.000322	0.558358	0.057647	33.95267	2.39E-05	0.005349
21	L-05	235	0.000325	0.018359	0.002852	0.000213	0.007561	0.002133	22.46242	1.51E-05	0.003539
22	L-05	235	0.000325	0.018359	0.002852	0.000213	0.007561	0.002133	22.46242	1.51E-05	0.003539
23	L-06	31	0.000436	0.002446	0.003053	8.95E-06	0.025265	0.002946	0.9447	2.03E-05	0.000149
24	L-06	31	0.000654	0.00367	0.00458	1.34E-05	0.037897	0.004419	1.41705	3.04E-05	0.000223
25	L-07	81	0.00342	0.019177	0.023935	7.02E-05	0.198042	0.023094	7.405227	0.000159	0.001167
26	L-07	81	8.86E-05	0.005052	0.000889	5.54E-05	0.096228	0.009935	5.851418	4.12E-06	0.000922
27	L-07	81	0.000973	0.020628	0.013351	0.000118	0.066002	0.007264	12.51077	4.52E-05	0.001971
28	S-01	80	0.000247	0.014806	0.004146	0.000116	0.096977	0.010364	12.26383	1.15E-05	0.001932
29	S-01	60	0.002882	0.06112	0.039559	0.000351	0.195561	0.021524	37.06896	0.000134	0.00584
30	S-01	30	0.000254	0.00047	0.005283	1.26E-05	0.036171	0.003796	1.27072	2.68E-05	3.65E-05
31	S-01	60	0.00045	0.000643	0.007255	1.68E-05	0.048228	0.005062	1.697907	4.01E-05	5.04E-05
32	S-01	83	0.00211	0.003901	0.043845	0.000104	0.300221	0.031507	10.54697	0.000222	0.000303
33	S-02	80	8.23E-05	0.004935	0.001382	3.87E-05	0.032326	0.003455	4.087942	3.82E-06	0.000644
34	S-02	60	0.002882	0.06112	0.039559	0.000351	0.195561	0.021524	37.06896	0.000134	0.00584
35	S-02	70	0.000593	0.001097	0.012326	2.93E-05	0.0844	0.008858	2.965013	6.25E-05	8.53E-05
36	S-02	60	0.00045	0.000643	0.007255	1.68E-05	0.048228	0.005062	1.697907	4.01E-05	5.04E-05
37	S-02	80	0.002711	0.005013	0.056347	0.000134	0.385826	0.040491	13.55435	0.000286	0.00039
38	S-03	120	0.00305	0.00564	0.063391	0.000151	0.434055	0.045553	15.24864	0.000321	0.000438
39	S-03	80	0.003842	0.081493	0.052745	0.000468	0.260749	0.028699	49.42528	0.000178	0.007787
40	S-04	180	0.001525	0.00282	0.031695	7.54E-05	0.217027	0.022776	7.624319	0.000161	0.000219
41	S-04	100	0.00075	0.001071	0.012091	2.8E-05	0.080381	0.008436	2.829846	6.68E-05	8.4E-05
42	S-04	180	0.006101	0.01128	0.126781	0.000301	0.868109	0.091106	30.49728	0.000643	0.000877
43	S-05	39	0.00033	0.000611	0.006867	1.63E-05	0.047023	0.004935	1.651936	3.48E-05	4.75E-05
44	S-06	39	0.00033	0.000611	0.006867	1.63E-05	0.047023	0.004935	1.651936	3.48E-05	4.75E-05
45	S-07	20	0.000169	0.000313	0.003522	8.37E-06	0.024114	0.002531	0.847147	1.79E-05	2.44E-05
46	S-07	20	0.000169	0.000313	0.003522	8.37E-06	0.024114	0.002531	0.847147	1.79E-05	2.44E-05
47	S-08	10	8.47E-05	0.000157	0.001761	4.19E-06	0.012057	0.001265	0.423573	8.93E-06	1.22E-05
48	S-08	10	8.47E-05	0.000157	0.001761	4.19E-06	0.012057	0.001265	0.423573	8.93E-06	1.22E-05
49	S-09	10	8.47E-05	0.000157	0.001761	4.19E-06	0.012057	0.001265	0.423573	8.93E-06	1.22E-05
50	S-10	40	0.000339	0.000627	0.007043	1.67E-05	0.048228	0.005061	1.694293	3.57E-05	4.87E-05
51	S-10	40	0.001356	0.002507	0.028174	6.7E-05	0.192913	0.020246	6.777173	0.000143	0.000195
52	S-11	58	0.001474	0.002726	0.030639	7.29E-05	0.209793	0.022017	7.370175	0.000155	0.000212
53	S-11	58	0.002786	0.059082	0.03824	0.000339	0.189043	0.020807	35.83332	0.000129	0.005646
54	S-12	7	0.000237	0.000439	0.00493	1.17E-05	0.03376	0.003543	1.186005	2.5E-05	3.41E-05
55	S-12	7	8.41E-05	0.001783	0.001154	1.02E-05	0.005704	0.000628	1.081178	3.9E-06	0.00017
56	S-13	18	0.00061	0.001128	0.012678	3.01E-05	0.086811	0.009111	3.049728	6.43E-05	8.77E-05
57	S-14	35	0.001186	0.002193	0.024652	5.86E-05	0.168799	0.017715	5.930026	0.000125	0.000171
58	S-14	35	0.00042	0.008913	0.005769	5.12E-05	0.028519	0.003139	5.40589	1.95E-05	0.000852
59	S-15	90	0.000763	0.00141	0.015848	3.77E-05	0.108514	0.011388	3.81216	8.04E-05	0.00011

Count	Activity Index	Days Used	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
60	S-15	90	0.00305	0.00564	0.063391	0.000151	0.434055	0.045553	15.24864	0.000321	0.000438
61	S-16	44	0.002237	0.004136	0.046486	0.000111	0.318307	0.033405	11.18233	0.000236	0.000322
62	S-16	40	0.000961	0.020373	0.013186	0.000117	0.065187	0.007175	12.35632	4.46E-05	0.001947
63	S-17	80	0.004745	0.008773	0.098608	0.000234	0.675196	0.07086	23.7201	0.0005	0.000682
64	L-01	597	0.060704	0.112232	1.261472	0.003	0.299801	0.076623	303.4479	0.006397	0.008726
65	L-02	299	0.015201	0.028105	0.315896	0.000751	0.075076	0.019188	75.98905	0.001602	0.002185
66	L-03	298	0.007575	0.014006	0.15742	0.000374	0.037412	0.009562	37.86745	0.000798	0.001089
67	L-04	101	0.023963	0.044304	0.497968	0.001184	0.118347	0.030247	119.7865	0.002525	0.003445
68	L-05	235	0.055755	0.103083	1.158638	0.002755	0.275361	0.070377	278.7112	0.005876	0.008015
69	L-06	31	0.000525	0.000971	0.010917	2.6E-05	0.002595	0.000663	2.626154	5.54E-05	7.55E-05
70	L-07	81	0.003432	0.006345	0.071314	0.00017	0.016949	0.004332	17.15472	0.000362	0.000493
71	S-01	83	0.018989	0.035108	0.394606	0.000938	0.093782	0.023969	94.92277	0.002001	0.00273
72	S-02	87	0.014744	0.027259	0.306388	0.000729	0.072816	0.01861	73.70175	0.001554	0.002119
73	S-03	123	0.022929	0.042393	0.476486	0.001133	0.113241	0.028942	114.6189	0.002416	0.003296
74	S-04	190	0.028979	0.053578	0.60221	0.001432	0.143121	0.036579	144.8621	0.003054	0.004166
75	S-05	39	0.00033	0.000611	0.006867	1.63E-05	0.001632	0.000417	1.651936	3.48E-05	4.75E-05
76	S-06	39	0.00033	0.000611	0.006867	1.63E-05	0.001632	0.000417	1.651936	3.48E-05	4.75E-05
77	S-07	20	0.000339	0.000627	0.007043	1.67E-05	0.001674	0.000428	1.694293	3.57E-05	4.87E-05
78	S-08	10	0.000339	0.000627	0.007043	1.67E-05	0.001674	0.000428	1.694293	3.57E-05	4.87E-05
79	S-09	10	8.47E-05	0.000157	0.001761	4.19E-06	0.000418	0.000107	0.423573	8.93E-06	1.22E-05
80	S-10	40	0.006779	0.012533	0.140868	0.000335	0.033479	0.008556	33.88586	0.000714	0.000974
81	S-11	58	0.00688	0.012721	0.142981	0.00034	0.033981	0.008685	34.39415	0.000725	0.000989
82	S-12	7	0.000534	0.000987	0.011093	2.64E-05	0.002636	0.000674	2.668512	5.63E-05	7.67E-05
83	S-13	18	0.001525	0.00282	0.031695	7.54E-05	0.007533	0.001925	7.624319	0.000161	0.000219
84	S-14	35	0.002669	0.004935	0.055467	0.000132	0.013182	0.003369	13.34256	0.000281	0.000384
85	S-15	102	0.010371	0.019175	0.215528	0.000513	0.051222	0.013091	51.84537	0.001093	0.001491
86	S-16	44	0.005592	0.01034	0.116216	0.000276	0.02762	0.007059	27.95584	0.000589	0.000804
87	S-17	132	0.019014	0.035155	0.395134	0.00094	0.093907	0.024001	95.04985	0.002004	0.002733

Table 25: Earth Moving Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Quantity	Hours Per Day	Acres Graded	Hours Bulldozed	EF_PM10_Grading	EF_PM2.5_Grading	EF_PM10_Bulldozing	EF_PM2.5_Bulldozing	PM10	PM2.5
1	L-02	Civil Crew (Road Work, Foundations, Ducts)	Track Type Dozer	2	8	0	8	1.060500375	0.114509168	0.752760759	0.413778428	6.022086	3.310227
2	L-02	Civil Crew (Road Work, Foundations, Ducts)	Motor Grader	2	8	0.5	0	1.060500375	0.114509168	0.752760759	0.413778428	0.53025	0.057255
3	L-03	Civil Crew (Road Maintenance)	Motor Grader	1	8	0.5	0	1.060500375	0.114509168	0.752760759	0.413778428	0.53025	0.057255
4	L-07	Restoration (at end of construction activities)	Motor Grader	1	4	0.25	0	1.060500375	0.114509168	0.752760759	0.413778428	0.265125	0.028627
5	S-01	Cal City Substation Civil Crew (Site Grading)	Grader	2	5	0.3125	0	1.060500375	0.114509168	0.752760759	0.413778428	0.331406	0.035784
6	S-01	Cal City Substation Civil Crew (Site Grading)	980 Loader/Scraper	3	7.5	0.9375	0	1.060500375	0.114509168	0.752760759	0.413778428	0.994219	0.107352
7	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Grader	2	5	0.3125	0	1.060500375	0.114509168	0.752760759	0.413778428	0.331406	0.035784
8	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	980 Loader/Scraper	1	7.5	0.9375	0	1.060500375	0.114509168	0.752760759	0.413778428	0.994219	0.107352

Table 26: Earth Moving Uncontrolled Emissions (tons)

Count	Activity Index	Days Used	PM10	PM2.5
1	L-02	299	0.900302	0.494879
2	L-02	299	0.079272	0.00856
3	L-03	298	0.079007	0.008531
4	L-07	81	0.010738	0.001159
5	S-01	60	0.009942	0.001074
6	S-01	70	0.034798	0.003757
7	S-02	60	0.009942	0.001074
8	S-02	40	0.019884	0.002147

Table 27: Earth Moving Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Quantity	Hours Per Day	Acres Graded	Hours Bulldozed	EF_PM10_Grading	EF_PM2.5_Grading	EF_PM10_Bulldozing	EF_PM2.5_Bulldozing	PM10	PM2.5
1	L-02	Civil Crew (Road Work, Foundations, Ducts)	Track Type Dozer	2	8	0	8	0.413595146	0.044658576	0.293576696	0.161373587	2.348614	1.290989
2	L-02	Civil Crew (Road Work, Foundations, Ducts)	Motor Grader	2	8	0.5	0	0.413595146	0.044658576	0.293576696	0.161373587	0.206798	0.022329
3	L-03	Civil Crew (Road Maintenance)	Motor Grader	1	8	0.5	0	0.413595146	0.044658576	0.293576696	0.161373587	0.206798	0.022329
4	L-07	Restoration (at end of construction activities)	Motor Grader	1	4	0.25	0	0.413595146	0.044658576	0.293576696	0.161373587	0.103399	0.011165
5	S-01	Cal City Substation Civil Crew (Site Grading)	Grader	2	5	0.3125	0	0.413595146	0.044658576	0.293576696	0.161373587	0.129248	0.013956
6	S-01	Cal City Substation Civil Crew (Site Grading)	980 Loader/Scraper	3	7.5	0.9375	0	0.413595146	0.044658576	0.293576696	0.161373587	0.387745	0.041867
7	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Grader	2	5	0.3125	0	0.413595146	0.044658576	0.293576696	0.161373587	0.129248	0.013956
8	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	980 Loader/Scraper	1	7.5	0.9375	0	0.413595146	0.044658576	0.293576696	0.161373587	0.387745	0.041867

Table 28: Earth Moving Controlled Emissions (tons)

Count	Activity Index	Days Used	PM10	PM2.5
1	L-02	299	0.351118	0.193003
2	L-02	299	0.030916	0.003338
3	L-03	298	0.030813	0.003327
4	L-07	81	0.004188	0.000452
5	S-01	60	0.003877	0.000419
6	S-01	70	0.013571	0.001465
7	S-02	60	0.003877	0.000419
8	S-02	40	0.007755	0.000837

Table 29: Medium-Duty Helicopter Emissions

Helicopter Model	Kaman K-MAX	
Engine Type	T53-17	
Fuel S Content by Weight	0.3	%
Fuel Burn Rate	92	gal/hr
Jet Fuel density	7	lbs/gal
Fuel Type	Jet Fuel A	
High Heat Value	72.22	kg CO2/MM (ARB 2012)
CO2 emission factor	0.135	MMBtu/gal (ARB 2012)

	fuel (kg)	Nox (g)	HC	CO	PM	Fugitive PM
LTO	43.3	391	210	261	11	750
Run	284	3360	510	610	91	

Activity	Emission Rate						
	HC	CO	NOx	SOx	PM	PM2.5	CO2
Flight (lbs/hr)	1.122	1.342	7.392	0.052	0.2002	0.184184	1971
LTO (lbs)	0.462	0.5742	0.8602	0.026	1.6742	0.368764	137

Activity	Working Hrs	Emissions lbs/day						
		HC	CO	NOx	SOx	PM	PM2.5	CO2
Flight	4	4.488	5.368	29.568	0.208267	0.8008	0.368368	7883
LTO	2	0.462	0.5742	0.8602	0.026461	1.6742	0.368764	137
TOTAL		4.95	5.9422	30.4282	0.234728	2.475	0.737132	8020

Construction Phase	Working Days	Emissions tons						MT
		HC	CO	NOx	SOx	PM	PM2.5	CO2
L-04	101	0.2500	0.3001	1.5366	0.0119	0.1250	0.0372	405

NOTES:

California Air Resources Board (ARB). 2012. Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. Section 95115(c)(1)

Ref: Swiss Confederation, DETEC and FOCA "Guidance on the Determination of Helicopter Emissions", 2015

Engine T53 17A

Fugitive dust estimates from Emission Factor Source: Dr. J. A. Gillies et. al. December 31, 2007. Particulate Matter Emissions for Dust from Unique Military Activities.

ARB's CEIDARS database PM2.5 fractions - construction dust category for fugitive and diesel vehicle exhaust category for combustion.

Table 30: Light-Duty Helicopter Emissions

Helicopter Model	Hughes 500	
Engine Type	DDA250-C18	
Fuel S Content by Weight	0.3	%
Fuel Burn Rate	32	gal/hr
Jet Fuel density	7	lbs/gal
Fuel Type	Jet Fuel A	
High Heat Value	72.22	kg CO2/MM (ARB 2012)
CO2 emission factor	0.135	MMBtu/gal (ARB 2012)

	fuel (kg)	Nox (g)	HC	CO	PM	Fugitive PM
LTO	16.4	60	446	582	2	750
Run	99	480	960	1200	16	

Activity	Emission Rate						
	HC	CO	NOx	SOx	PM10	PM2.5	CO2
Flight (lbs/hr)	2.112	2.64	1.056	0.018	0.0352	0.032384	687
LTO (lbs)	0.9812	1.2804	0.132	0.010	1.6544	0.350548	52

Activity	Working Hrs	Emissions lbs/day						
		HC	CO	NOx	SOx	PM10	PM2.5	CO2
Flight	6	12.672	15.84	6.336	0.1089	0.2112	0.064768	4122
LTO	2	0.9812	1.2804	0.132	0.010022	1.6544	0.350548	52
TOTAL		13.6532	17.1204	6.468	0.118922	1.8656	0.415316	4174

Construction Phase	Working Days	Emissions tons						MT
		HC	CO	NOx	SOx	PM10	PM2.5	CO2
L-05	235	1.6043	2.0116	0.7600	0.0140	0.2192	0.0488	490

NOTES:

California Air Resources Board (ARB). 2012. Regulation for the Mandatory Reporting of Greenhouse Gas Emissions. Petroleum Fuels. Section 95115(c)(1)

Ref: Swiss Confederation, DETEC and FOCA "Guidance on the Determination of Helicopter Emissions", 2015

Engine T700-GE-700

Fugitive dust estimates from Emission Factor Source: Dr. J. A. Gillies et. al. December 31, 2007. Particulate Matter Emissions for Dust from Unique Military Activities.

ARB's CEIDARS database PM2.5 fractions - construction dust category for fugitive and diesel vehicle exhaust category for combustion.

Table 31: SF6 Emissions (metric tons/year)

Substation	Circuit Breaker Quantity	Volume	Leak Rate	Annual Emissions	CO2e
Cal City	12	61.2	0.5	0.00167	39.1414
Edwards	6	61.2	0.5	0.00083	19.5707
Holgate	2	61.2	0.5	0.00028	6.523567
Kramer	3	61.2	0.5	0.00042	9.785351
Total					**75.02102**

Table 32: O&M Uncontrolled Annual Emissions (tons)

Equipment Name	Fuel Type	Trips	Year	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e	CO2e Metric Tons
1-Ton Truck, 4x4	Diesel	60	2026	120	7200	75	5400	1800	passenger	0.0012665	0.0071025	0.0088650	0.0000260	0.0011358	0.0010077	2.742677	5.88E-05	0.000432	2.87291607	2.60626637

Table 33: Total Uncontrolled Daily Emissions (pounds/day)

Index	Name	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
L-01	Staging Areas	1.330536	11.99341	18.62304	0.042867	72.12337	7.740078	4011.684	0.112899	0.194542
L-02	Civil Crew (Road Work, Foundations, Ducts)	2.557124	19.69729	32.07353	0.091551	202.971	24.11199	9760.932	0.274525	0.533038
L-03	Civil Crew (Road Maintenance)	0.430135	3.160509	5.009821	0.009991	18.6537	2.077468	1058.13	0.030464	0.049083
L-04	Structure Installation	12.83479	95.00289	88.00169	0.500546	155.0702	18.6017	36547.49	1.052809	0.517166
L-05	Install Conductor/Cable	21.44765	69.96918	103.8802	0.380644	154.5949	18.39765	32255.15	1.030916	0.53114
L-06	ADSS/OPGW Splicing	0.238966	1.516684	2.702956	0.010618	15.00776	1.604109	1133.277	0.039757	0.035462
L-07	Restoration (at end of construction activities)	0.53036	3.828397	8.023584	0.018434	33.36429	3.613037	1949.818	0.050171	0.119639
S-01	Cal City Substation Civil Crew (Site Grading)	3.229153	27.33669	32.98477	0.087531	78.63483	9.252724	9251.17	0.265331	0.360952
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	1.922155	15.16109	25.15861	0.061536	80.46922	8.914846	6476.432	0.170778	0.297404
S-03	Cal City Substation Civil Crew (Foundation)	1.920135	16.52043	25.69057	0.064163	52.66896	6.074606	6644.337	0.1826	0.282273
S-04	Cal City Substation Electrical Crew	2.368861	19.94998	27.13935	0.067893	52.48503	6.166418	7209.769	0.253538	0.099934
S-05	Cal City Substation Maintenance Crew	0.033894	0.062665	0.704339	0.001675	8.945676	0.918147	169.4293	0.003572	0.004872
S-06	Cal City Substation Test Crew	0.033894	0.062665	0.704339	0.001675	8.945676	0.918147	169.4293	0.003572	0.004872
S-07	Cal City Substation Test Crew and Wireman (Cutover)	0.067787	0.125329	1.408679	0.00335	17.89135	1.836295	338.8586	0.007144	0.009744
S-08	Cal City Substation Demolition - Test Crew	0.101681	0.187994	2.113018	0.005025	18.05874	1.879077	508.2879	0.010715	0.014616
S-09	Cal City Substation Demolition - Maintenance Crew	0.033894	0.062665	0.704339	0.001675	8.945676	0.918147	169.4293	0.003572	0.004872
S-10	Cal City Substation Demolition - Electrical Crew	2.387744	19.99122	27.60186	0.069009	46.74443	5.611359	7322.602	0.255774	0.103126
S-11	Cal City Substation Demolition - Civil Crew	0.818815	6.611009	15.15929	0.037309	51.63215	5.565623	3906.825	0.084758	0.246074
S-12	Holgate Substation Civil Crew	0.368385	2.029975	6.388959	0.016315	42.17058	4.424227	1654.688	0.03425	0.08232
S-13	Holgate Substation Electrical Crew	0.558302	3.633633	8.394957	0.019298	36.41204	3.917919	2006.032	0.058266	0.040757
S-14	Kramer Substation Civil Crew (Foundations)	0.797597	6.157431	10.12466	0.025339	42.34441	4.584153	2631.862	0.073888	0.090248
S-15	Kramer Substation Electrical Crew	0.748578	5.288783	11.0642	0.025413	45.49588	4.907567	2650.192	0.079445	0.051229
S-16	Edwards Substation Civil Crew (Foundations)	1.08316	7.872221	16.44698	0.040225	66.54387	7.15431	4187.878	0.112388	0.163024
S-17	Edwards Substation Electrical Crew	1.214909	8.739991	16.41038	0.039849	63.77077	6.929891	4171.411	0.129599	0.075812

Table 34: Total Controlled Daily Emissions (pounds)

Index	Name	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
L-01	Staging Areas	1.330536	11.99341	18.62304	0.042867	20.51886	2.590601	4011.684	0.112899	0.194542
L-02	Civil Crew (Road Work, Foundations, Ducts)	1.22106	8.788425	41.49607	0.091551	56.51921	7.405553	9760.932	0.274525	0.533038
L-03	Civil Crew (Road Maintenance)	0.148756	0.733733	5.333726	0.009991	5.289543	0.627624	1058.13	0.030464	0.049083
L-04	Structure Installation	8.376224	47.88539	143.1189	0.500546	45.93183	6.411316	36547.49	1.052809	0.517166
L-05	Install Conductor/Cable	18.21004	36.90202	155.0518	0.380644	46.05922	6.756137	32255.15	1.030916	0.53114
L-06	ADSS/OPGW Splicing	0.18114	0.857058	5.194915	0.010618	4.25771	0.533352	1133.277	0.039757	0.035462
L-07	Restoration (at end of construction activities)	0.279666	1.702563	8.941335	0.018434	9.434336	1.129884	1949.818	0.050171	0.119639
S-01	Cal City Substation Civil Crew (Site Grading)	1.381803	9.098582	40.18346	0.087531	23.20515	3.010645	9251.17	0.265331	0.360952
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	0.966906	6.248964	28.50742	0.061536	23.30884	2.841508	6476.432	0.170778	0.297404
S-03	Cal City Substation Civil Crew (Foundation)	1.293346	9.791624	28.99687	0.064163	15.82366	2.161016	6644.337	0.1826	0.282273
S-04	Cal City Substation Electrical Crew	0.96293	4.898157	35.52896	0.067893	15.29517	1.94005	7209.769	0.253538	0.099934
S-05	Cal City Substation Maintenance Crew	0.033894	0.062665	0.704339	0.001675	2.495112	0.274463	169.4293	0.003572	0.004872
S-06	Cal City Substation Test Crew	0.033894	0.062665	0.704339	0.001675	2.495112	0.274463	169.4293	0.003572	0.004872
S-07	Cal City Substation Test Crew and Wireman (Cutover)	0.067787	0.125329	1.408679	0.00335	4.990223	0.548925	338.8586	0.007144	0.009744
S-08	Cal City Substation Demolition - Test Crew	0.101681	0.187994	2.113018	0.005025	5.157616	0.591707	508.2879	0.010715	0.014616
S-09	Cal City Substation Demolition - Maintenance Crew	0.033894	0.062665	0.704339	0.001675	2.495112	0.274463	169.4293	0.003572	0.004872
S-10	Cal City Substation Demolition - Electrical Crew	0.981814	4.939395	35.99147	0.069009	13.85495	1.814114	7322.602	0.255774	0.103126
S-11	Cal City Substation Demolition - Civil Crew	0.709653	5.709756	15.57473	0.037309	15.03139	1.874931	3906.825	0.084758	0.246074
S-12	Holgate Substation Civil Crew	0.368385	2.029975	6.388959	0.016315	12.06794	1.420365	1654.688	0.03425	0.08232
S-13	Holgate Substation Electrical Crew	0.331179	1.240487	9.566294	0.019298	10.50449	1.247308	2006.032	0.058266	0.040757
S-14	Kramer Substation Civil Crew (Foundations)	0.484203	2.793026	11.77781	0.025339	12.09573	1.447269	2631.862	0.073888	0.090248
S-15	Kramer Substation Electrical Crew	0.435184	1.924378	12.71735	0.025413	13.09701	1.556121	2650.192	0.079445	0.051229
S-16	Edwards Substation Civil Crew (Foundations)	0.69753	3.832449	18.90141	0.040225	19.06116	2.271876	4187.878	0.112388	0.163024
S-17	Edwards Substation Electrical Crew	0.641801	2.601248	19.75797	0.039849	18.35592	2.186818	4171.411	0.129599	0.075812

Table 35: Total Uncontrolled Annual Emissions (tons)

Index	Name	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
L-01	Staging Areas	0.397165	3.580033	5.558978	0.012796	21.52883	2.310413	1197.488	0.0337	0.058071
L-02	Civil Crew (Road Work, Foundations, Ducts)	0.38229	2.944744	4.794993	0.013687	30.34417	3.604743	1459.259	0.041041	0.079689
L-03	Civil Crew (Road Maintenance)	0.06409	0.470916	0.746463	0.001489	2.779401	0.309543	157.6614	0.004539	0.007313
L-04	Structure Installation	0.648157	4.797646	4.444085	0.025278	7.831044	0.939386	1845.648	0.053167	0.026117
L-05	Install Conductor/Cable	2.520099	8.221378	12.20593	0.044726	18.16491	2.161724	3789.98	0.121133	0.062409
L-06	ADSS/OPGW Splicing	0.003704	0.023509	0.041896	0.000165	0.23262	0.024864	17.56579	0.000616	0.00055
L-07	Restoration (at end of construction activities)	0.02148	0.15505	0.324955	0.000747	1.351254	0.146328	78.96761	0.002032	0.004845
S-01	Cal City Substation Civil Crew (Site Grading)	0.114007	0.943452	1.198156	0.003148	2.656334	0.315665	331.9737	0.009502	0.012305
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	0.056995	0.415635	0.828237	0.002002	2.852676	0.313277	209.2934	0.005171	0.009747
S-03	Cal City Substation Civil Crew (Foundation)	0.075496	0.580662	1.172805	0.002846	2.674188	0.30334	295.6802	0.007637	0.012466
S-04	Cal City Substation Electrical Crew	0.108751	0.787128	1.574608	0.003672	4.453769	0.495181	384.4491	0.011982	0.006957
S-05	Cal City Substation Maintenance Crew	0.000661	0.001222	0.013735	3.27E-05	0.174441	0.017904	3.303872	6.96E-05	9.5E-05
S-06	Cal City Substation Test Crew	0.000661	0.001222	0.013735	3.27E-05	0.174441	0.017904	3.303872	6.96E-05	9.5E-05
S-07	Cal City Substation Test Crew and Wireman (Cutover)	0.000678	0.001253	0.014087	3.35E-05	0.178914	0.018363	3.388586	7.14E-05	9.74E-05
S-08	Cal City Substation Demolition - Test Crew	0.000508	0.00094	0.010565	2.51E-05	0.090294	0.009395	2.54144	5.36E-05	7.31E-05
S-09	Cal City Substation Demolition - Maintenance Crew	0.000169	0.000313	0.003522	8.37E-06	0.044728	0.004591	0.847147	1.79E-05	2.44E-05
S-10	Cal City Substation Demolition - Electrical Crew	0.027497	0.205449	0.403185	0.000922	0.926872	0.104852	96.88905	0.003105	0.00166
S-11	Cal City Substation Demolition - Civil Crew	0.023746	0.191719	0.439619	0.001082	1.497332	0.161403	113.2979	0.002458	0.007136
S-12	Holgate Substation Civil Crew	0.001289	0.007105	0.022361	5.71E-05	0.147597	0.015485	5.79141	0.00012	0.000288
S-13	Holgate Substation Electrical Crew	0.004654	0.028736	0.072175	0.000165	0.327559	0.035124	17.12776	0.000487	0.000359
S-14	Kramer Substation Civil Crew (Foundations)	0.009462	0.063676	0.151116	0.000359	0.739207	0.078548	37.06349	0.000928	0.001506
S-15	Kramer Substation Electrical Crew	0.028631	0.178463	0.466536	0.001066	2.050804	0.220047	110.4543	0.003099	0.00236
S-16	Edwards Substation Civil Crew (Foundations)	0.018889	0.128332	0.285746	0.000728	1.438419	0.153281	75.19492	0.001831	0.003264
S-17	Edwards Substation Electrical Crew	0.037007	0.178301	0.650863	0.001516	2.580345	0.279769	155.8157	0.004007	0.003716

Table 36: Total Controlled Annual Emissions (tons)

Index	Name	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
L-01	Staging Areas	0.397165	3.580033	5.558978	0.012796	6.124879	0.773294	1197.488	0.0337	0.058071
L-02	Civil Crew (Road Work, Foundations, Ducts)	0.182548	1.31387	6.203662	0.013687	8.449622	1.10713	1459.259	0.041041	0.079689
L-03	Civil Crew (Road Maintenance)	0.022165	0.109326	0.794725	0.001489	0.788142	0.093516	157.6614	0.004539	0.007313
L-04	Structure Installation	0.422999	2.418212	7.227506	0.025278	2.319557	0.323771	1845.648	0.053167	0.026117
L-05	Install Conductor/Cable	2.13968	4.335987	18.21859	0.044726	5.411958	0.793846	3789.98	0.121133	0.062409
L-06	ADSS/OPGW Splicing	0.002808	0.013284	0.080521	0.000165	0.065995	0.008267	17.56579	0.000616	0.00055
L-07	Restoration (at end of construction activities)	0.011326	0.068954	0.362124	0.000747	0.382091	0.04576	78.96761	0.002032	0.004845
S-01	Cal City Substation Civil Crew (Site Grading)	0.051108	0.320285	1.448086	0.003148	0.796661	0.10593	331.9737	0.009502	0.012305
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	0.034373	0.207058	0.899262	0.002002	0.834876	0.1031	209.2934	0.005171	0.009747
S-03	Cal City Substation Civil Crew (Foundation)	0.054509	0.360773	1.280303	0.002846	0.815312	0.109973	295.6802	0.007637	0.012466
S-04	Cal City Substation Electrical Crew	0.06072	0.278003	1.850723	0.003672	1.314173	0.164221	384.4491	0.011982	0.006957
S-05	Cal City Substation Maintenance Crew	0.000661	0.001222	0.013735	3.27E-05	0.048655	0.005352	3.303872	6.96E-05	9.5E-05
S-06	Cal City Substation Test Crew	0.000661	0.001222	0.013735	3.27E-05	0.048655	0.005352	3.303872	6.96E-05	9.5E-05
S-07	Cal City Substation Test Crew and Wireman (Cutover)	0.000678	0.001253	0.014087	3.35E-05	0.049902	0.005489	3.388586	7.14E-05	9.74E-05
S-08	Cal City Substation Demolition - Test Crew	0.000508	0.00094	0.010565	2.51E-05	0.025788	0.002959	2.54144	5.36E-05	7.31E-05
S-09	Cal City Substation Demolition - Maintenance Crew	0.000169	0.000313	0.003522	8.37E-06	0.012476	0.001372	0.847147	1.79E-05	2.44E-05
S-10	Cal City Substation Demolition - Electrical Crew	0.014938	0.074359	0.475536	0.000922	0.276159	0.035343	96.88905	0.003105	0.00166
S-11	Cal City Substation Demolition - Civil Crew	0.02058	0.165583	0.451667	0.001082	0.43591	0.054373	113.2979	0.002458	0.007136
S-12	Holgate Substation Civil Crew	0.001289	0.007105	0.022361	5.71E-05	0.042238	0.004971	5.79141	0.00012	0.000288
S-13	Holgate Substation Electrical Crew	0.002868	0.010111	0.081272	0.000165	0.094513	0.0112	17.12776	0.000487	0.000359
S-14	Kramer Substation Civil Crew (Foundations)	0.007212	0.041221	0.161978	0.000359	0.211383	0.025046	37.06349	0.000928	0.001506
S-15	Kramer Substation Electrical Crew	0.019229	0.077531	0.51613	0.001066	0.595046	0.071227	110.4543	0.003099	0.00236
S-16	Edwards Substation Civil Crew (Foundations)	0.013517	0.07201	0.315202	0.000728	0.412442	0.048887	75.19492	0.001831	0.003264
S-17	Edwards Substation Electrical Crew	0.028243	0.086048	0.699334	0.001516	0.770185	0.095897	155.8157	0.004007	0.003716

Table 37: Activity Distribution by Year and District

Type	Count	Index	Name	Start Date	End Date	Pct 2026	Pct 2027	Pct 2028	Pct Kern	Pct Mojave
L	1	L-01	Staging Areas	3/2/2026	2/26/2028	0.42	0.50	0.08	0.7	0.3
L	2	L-02	Civil Crew (Road Work, Foundations, Ducts)	3/2/2026	2/27/2027	0.84	0.16	0.00	0.7	0.3
L	3	L-03	Civil Crew (Road Maintenance)	3/1/2027	2/26/2028	0.00	0.85	0.15	0.7	0.3
L	4	L-04	Structure Installation	6/1/2026	9/30/2026	1.00	0.00	0.00	0.7	0.3
L	5	L-05	Install Conductor/Cable	10/1/2026	7/14/2027	0.31	0.69	0.00	0.7	0.3
L	6	L-06	ADSS/OPGW Splicing	7/15/2027	8/19/2027	0.00	1.00	0.00	0.7	0.3
L	7	L-07	Restoration (at end of construction activities)	8/20/2027	11/27/2027	0.00	1.00	0.00	0.7	0.3
S	1	S-01	Cal City Substation Civil Crew (Site Grading)	3/2/2026	6/26/2026	1.00	0.00	0.00	1	0
S	2	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	6/29/2026	10/30/2026	1.00	0.00	0.00	1	0
S	3	S-03	Cal City Substation Civil Crew (Foundation)	7/6/2026	12/31/2026	1.00	0.00	0.00	1	0
S	4	S-04	Cal City Substation Electrical Crew	1/4/2027	10/1/2027	0.00	1.00	0.00	1	0
S	5	S-05	Cal City Substation Maintenance Crew	7/19/2027	9/10/2027	0.00	1.00	0.00	1	0
S	6	S-06	Cal City Substation Test Crew	7/19/2027	9/10/2027	0.00	1.00	0.00	1	0
S	7	S-07	Cal City Substation Test Crew and Wireman (Cutover)	9/13/2027	10/8/2027	0.00	1.00	0.00	1	0
S	8	S-08	Cal City Substation Demolition - Test Crew	10/18/2027	10/29/2027	0.00	1.00	0.00	1	0
S	9	S-09	Cal City Substation Demolition - Maintenance Crew	10/18/2027	10/29/2027	0.00	1.00	0.00	1	0
S	10	S-10	Cal City Substation Demolition - Electrical Crew	11/1/2027	12/31/2027	0.00	1.00	0.00	1	0
S	11	S-11	Cal City Substation Demolition - Civil Crew	1/3/2028	3/24/2028	0.00	0.00	1.00	1	0
S	12	S-12	Holgate Substation Civil Crew	4/26/2027	5/4/2027	0.00	1.00	0.00	1	0
S	13	S-13	Holgate Substation Electrical Crew	5/5/2027	5/28/2027	0.00	1.00	0.00	1	0
S	14	S-14	Kramer Substation Civil Crew (Foundations)	3/15/2027	4/30/2027	0.00	1.00	0.00	0	1
S	15	S-15	Kramer Substation Electrical Crew	5/3/2027	9/24/2027	0.00	1.00	0.00	0	1
S	16	S-16	Edwards Substation Civil Crew (Foundations)	2/1/2027	4/2/2027	0.00	1.00	0.00	1	0
S	17	S-17	Edwards Substation Electrical Crew	4/5/2027	10/8/2027	0.00	1.00	0.00	1	0

Table 38: Kern Annual Emissions (tons/year)

District	Type	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e	CO2e Metric Tons
Kern	Unctrl	2026	1.572	9.751	13.273	0.047	41.279	4.799	4114.368	0.119	0.129	4155.733	3770.019
Kern	Unctrl	2027	1.618	7.151	11.919	0.036	32.457	3.649	3257.994	0.099	0.082	3285.058	2980.156
Kern	Unctrl	2028	0.052	0.431	0.813	0.002	2.931	0.316	193.342	0.005	0.011	196.733	178.473
Kern	Ctrl	2026	1.114	5.283	17.727	0.047	11.872	1.577	4114.368	0.119	0.129	4155.733	3770.019
Kern	Ctrl	2027	1.309	4.064	15.414	0.036	9.423	1.231	3257.994	0.099	0.082	3285.058	2980.156
Kern	Ctrl	2028	0.044	0.367	0.830	0.002	0.843	0.105	193.342	0.005	0.011	196.733	178.473

Table 39: Mojave Annual Emissions (tons/year)

District	Type	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e	CO2e Metric Tons
Mojave	Unctrl	2026	0.606	3.568	4.601	0.018	15.117	1.766	1497.018	0.044	0.043	1510.959	1370.719
Mojave	Unctrl	2027	0.686	2.896	4.662	0.014	12.802	1.439	1293.703	0.039	0.034	1304.805	1183.699
Mojave	Unctrl	2028	0.013	0.109	0.170	0.000	0.655	0.071	36.562	0.001	0.002	37.111	33.667
Mojave	Ctrl	2026	0.445	2.007	6.440	0.018	4.305	0.575	1497.018	0.044	0.043	1510.959	1370.719
Mojave	Ctrl	2027	0.568	1.732	6.120	0.014	3.697	0.485	1293.703	0.039	0.034	1304.805	1183.699
Mojave	Ctrl	2028	0.011	0.092	0.173	0.000	0.186	0.023	36.562	0.001	0.002	37.111	33.667

Table 40: Fuel Consumption Calcs

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Hours Per Day	Working Days	On-Off	Load Factor	On Distance	VMT	On Efficiency	On Fuel Use	Off BSFC	Off Use	Helo Efficiency	Helo Use	Fuel Cateogory
1	L-01	Staging Areas	1-Ton Truck, 4x4	300	Diesel	4	NA	597	on		60	480	31.23821629	9173.379					Construction Vehicles
2	L-01	Staging Areas	R/T Forklift	96	Diesel	4	4	597	off	0.4					0.408	21051.22			Construction Equipment
3	L-01	Staging Areas	Generator	45	Diesel	4	8	597	off	0.74					0.408	36510.7			Construction Equipment
4	L-01	Staging Areas	Water Truck	350	Diesel	4	NA	597	on		30	240	9.278805073	15441.64					Construction Vehicles
5	L-02	Civil Crew (Road Work, Foundations, Ducts)	1-Ton Truck, 4x4	300	Diesel	7	NA	299	on		60	840	31.23821629	8040.152					Construction Vehicles
6	L-02	Civil Crew (Road Work, Foundations, Ducts)	Backhoe/Front Loader	125	Diesel	4	4	299	off	0.37					0.367	11422.48			Construction Equipment
7	L-02	Civil Crew (Road Work, Foundations, Ducts)	Track Type Dozer	350	Diesel	2	8	299	off	0.37					0.367	31982.95			Construction Equipment
8	L-02	Civil Crew (Road Work, Foundations, Ducts)	Motor Grader	148	Diesel	2	8	299	off	0.41					0.367	14986.3			Construction Equipment
9	L-02	Civil Crew (Road Work, Foundations, Ducts)	Lowboy Truck/Trailer	500	Diesel	1	NA	299	on		40	80	6.405154333	3734.492					Construction Vehicles
10	L-02	Civil Crew (Road Work, Foundations, Ducts)	3/4-Ton Truck, 4x4	275	Gasoline	7	NA	299	on		60	840	26.40112759	9513.23					Construction Vehicles
11	L-02	Civil Crew (Road Work, Foundations, Ducts)	Boom/Crane Truck	367	Diesel	1	4	299	off	0.29					0.367	6571.323			Construction Equipment
12	L-02	Civil Crew (Road Work, Foundations, Ducts)	Auger Truck/Drill Rig	83	Diesel	2	6	299	off	0.5					0.408	8545.789			Construction Equipment
13	L-02	Civil Crew (Road Work, Foundations, Ducts)	Water Truck	350	Diesel	2	NA	299	on		30	120	9.278805073	3866.877					Construction Vehicles
14	L-02	Civil Crew (Road Work, Foundations, Ducts)	Excavator	172	Diesel	1	4	299	off	0.38					0.367	4035.532			Construction Equipment
15	L-02	Civil Crew (Road Work, Foundations, Ducts)	Dump Truck	350	Diesel	1	NA	299	on		40	80	6.405154333	3734.492					Construction Vehicles
16	L-02	Civil Crew (Road Work, Foundations, Ducts)	Concrete Mixer Truck	425	Diesel	7	NA	299	on		40	560	9.278805073	18045.43					Construction Vehicles
17	L-03	Civil Crew (Road Maintenance)	Motor Grader	148	Diesel	1	8	298	off	0.41					0.367	7468.087			Construction Equipment
18	L-03	Civil Crew (Road Maintenance)	Water Truck	350	Diesel	1	NA	298	on		30	60	9.278805073	1926.972					Construction Vehicles
19	L-03	Civil Crew (Road Maintenance)	1-Ton Truck, 4x4	300	Diesel	1	NA	298	on		60	120	31.23821629	1144.752					Construction Vehicles
20	L-04	Structure Installation	3/4-Ton Truck, 4x4	275	Gasoline	7	NA	101	on		60	840	26.40112759	3213.499					Construction Vehicles
21	L-04	Structure Installation	Boom/Crane Truck	367	Diesel	7	6	101	off	0.29					0.367	23307.32			Construction Equipment
22	L-04	Structure Installation	Flat Bed Pole Truck	400	Diesel	1	NA	101	on		40	80	9.278805073	870.8018					Construction Vehicles
23	L-04	Structure Installation	Water Truck	350	Diesel	2	NA	101	on		30	120	9.278805073	1306.203					Construction Vehicles
24	L-04	Structure Installation	Backhoe/Frontloader	125	Diesel	4	8	101	off	0.37					0.367	7716.86			Construction Equipment
25	L-04	Structure Installation	Manlift/Bucket Truck	250	Diesel	14	8	101	off	0.31					0.367	45258.34			Construction Equipment
26	L-04	Structure Installation	1-Ton Truck, 4x4	300	Diesel	7	NA	101	on		60	840	31.23821629	2715.904					Construction Vehicles
27	L-04	Structure Installation	Compressor Trailer	60	Diesel	1	4	101	off	0.42					0.408	584.2969			Construction Equipment
28	L-04	Structure Installation	R/T Crane	367	Diesel	7	8	101	off	0.29					0.367	31076.42			Construction Equipment
29	L-04	Structure Installation	Jet A Fuel Truck	300	Diesel	1	NA	101	on		40	80	9.278805073	870.8018					Construction Vehicles
30	L-04	Structure Installation	Helicopter Support Truck	300	Diesel	1	NA	101	on		40	80	9.278805073	870.8018					Helicopter and Support
31	L-04	Structure Installation	Helicopter	NA	Jet A	1	6	101	NA								91.88235294	55680.70588	Helicopter and Support
32	L-05	Install Conductor/Cable	3/4-Ton Truck, 4x4	275	Gasoline	7	NA	235	on		60	840	26.40112759	7476.953					Construction Vehicles
33	L-05	Install Conductor/Cable	1-Ton Truck, 4x4	300	Diesel	7	NA	235	on		60	840	31.23821629	6319.183					Construction Vehicles
34	L-05	Install Conductor/Cable	Manlift/Bucket Truck	250	Diesel	14	8	235	off	0.31					0.367	105304.1			Construction Equipment
35	L-05	Install Conductor/Cable	Boom/Crane Truck	367	Diesel	7	8	235	off	0.29					0.367	72306.53			Construction Equipment
36	L-05	Install Conductor/Cable	Dump Truck	350	Diesel	1	NA	235	on		40	80	6.405154333	2935.136					Construction Vehicles
37	L-05	Install Conductor/Cable	Wire Truck/Trailer	82	Diesel	2	8	235	off	0.42					0.408	7431.948			Construction Equipment
38	L-05	Install Conductor/Cable	Sock Line Puller	82	Diesel	2	8	235	off	0.42					0.408	7431.948			Construction Equipment
39	L-05	Install Conductor/Cable	Bull Wheel Puller	82	Diesel	1	8	235	off	0.42					0.408	3715.974			Construction Equipment
40	L-05	Install Conductor/Cable	Hydraulic Rewind Puller	82	Diesel	1	8	235	off	0.42					0.408	3715.974			Construction Equipment
41	L-05	Install Conductor/Cable	Static Truck/ Tensioner	82	Diesel	2	8	235	off	0.42					0.408	7431.948			Construction Equipment
42	L-05	Install Conductor/Cable	Backhoe/Front Loader	125	Diesel	4	4	235	off	0.37					0.367	8977.536			Construction Equipment
43	L-05	Install Conductor/Cable	Track Type Dozer	350	Diesel	2	8	235	off	0.37					0.367	25137.1			Construction Equipment
44	L-05	Install Conductor/Cable	Water Truck	350	Diesel	2	NA	235	on		30	120	9.278805073	3039.184					Construction Vehicles
45	L-05	Install Conductor/Cable	Jet A Fuel Truck	300	Diesel	1	NA	235	on		40	80	9.278805073	2026.123					Construction Vehicles
46	L-05	Install Conductor/Cable	Helicopter Support Truck	300	Diesel	1	NA	235	on		40	80	9.278805073	2026.123					Helicopter and Support
47	L-05	Install Conductor/Cable	Light Helicopter	NA	Jet A	1	8	235	NA								32.02941176	60215.29412	Helicopter and Support
48	L-05	Install Conductor/Cable	Conductor Splicing Rig	82	Diesel	1	8	235	off	0.42					0.408	3715.974			Construction Equipment
49	L-05	Install Conductor/Cable	Fiber Splicing Lab	82	Diesel	1	8	235	off	0.42					0.408	3715.974			Construction Equipment
50	L-06	ADSS/OPGW Splicing	Manlift/Bucket Truck	250	Diesel	1	9	31	off	0.31					0.367	1116.255			Construction Equipment
51	L-06	ADSS/OPGW Splicing	Splice Lab Truck	350	Diesel	1	NA	31	on		40	80	31.23821629	79.38994					Construction Vehicles
52	L-06	ADSS/OPGW Splicing	Foreman Truck	300	Diesel	1	NA	31	on		60	120	31.23821629	119.0849					Construction Vehicles
53	L-07	Restoration (at end of construction activities)	1-Ton Truck, 4x4	300	Diesel	2	NA	81	on		60	240	31.23821629	622.3147					Construction Vehicles
54	L-07	Restoration (at end of construction activities)	Backhoe/Front Loader	125	Diesel	1	8	81	off	0.37					0.367	1547.192			Construction Equipment
55	L-07	Restoration (at end of construction activities)	Motor Grader	148	Diesel	1	4	81	off	0.41					0.367	1014.958			Construction Equipment
56	L-07	Restoration (at end of construction activities)	Water Truck	350	Diesel	1	NA	81	on		30	60	9.278805073	523.7743					Construction Vehicles
57	L-07	Restoration (at end of construction activities)	Drum Type Compactor	100	Diesel	1	4	81	off	0.38					0.408	706.6108			Construction Equipment
58	L-07	Restoration (at end of construction activities)	Lowboy Truck/Trailer	500	Diesel	1	NA	81	on		40	80	6.405154333	1011.685					Construction Vehicles
59	S-01	Cal City Substation Civil Crew (Site Grading)	Water Truck	350	diesel	6	NA	80	on		10	120	9.278805073	1034.616					Construction Vehicles
60	S-01	Cal City Substation Civil Crew (Site Grading)	Grader	148	Diesel	2	5	60	off	0.41					0.367	1879.552			Construction Equipment
61	S-01	Cal City Substation Civil Crew (Site Grading)	Dump Trucks	370	Diesel	4	NA	60	on		40	320	6.405154333	2997.586					Construction Vehicles
62	S-01	Cal City Substation Civil Crew (Site Grading)	Compactor	75	Diesel	3	5	70	off	0.38					0.408	1717.457			Construction Equipment
63	S-01	Cal City Substation Civil Crew (Site Grading)	980 Loader/Scraper	275	Diesel	3	7.5	70	off	0.48					0.367	10732.78			Construction Equipment
64	S-01	Cal City Substation Civil Crew (Site Grading)	Tractors/Backhoe	85	Diesel	2	5	80	off	0.37					0.408	1443.984			Construction Equipment
65	S-01	Cal City Substation Civil Crew (Site Grading)	Survey Truck	345	Gasoline	1	NA	30	on		60	120	26.40112759	136.3578					Construction Vehicles
66	S-01	Cal City Substation Civil Crew (Site Grading)	Soils Test Crew Truck	345	Gasoline	1	NA	60	on		40	80	26.40112759	181.8104					Construction Vehicles
67	S-01	Cal City Substation Civil Crew (Site Grading)	3/4 Crew Pick-up Truck	345	Gasoline	3	NA	83	on		60	360	26.40112759	1131.77					Construction Vehicles
68	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Water Truck	350	Diesel	2	NA	80	on		10	40	9.278805073	344.872					Construction Vehicles
69	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Tractors/Backhoe	85	Diesel	2	5	80	off	0.37					0.408	1443.984			Construction Equipment
70	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Grader	148	Diesel	2	5	60	off	0.41					0.367	1879.552			Construction Equipment
71	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Dump Trucks	370	Diesel	4	NA	60	on		40	320	6.405154333	2997.586					Construction Vehicles
72	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Compactor	75	Diesel	1	5	70	off	0.38					0.408	572.4856			Construction Equipment
73	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	980 Loader/Scraper	275	Diesel	1	7.5	40	off	0.48					0.367	2044.338			Construction Equipment
74	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Excavator	172	Diesel	1	7.5	40	off	0.38					0.367	1012.257			Construction Equipment
75	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Survey Truck	345	Gasoline	1	NA	70	on		60	120	26.40112759	318.1682					Construction Vehicles
76	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Soils Test Crew Truck	345	Gasoline	1	NA	60	on		40	80	26.40112759	181.8104					Construction Vehicles
77	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	3/4 Crew Pick-up Truck	345	Gasoline	4	NA	80	on		60	480	26.40112759	1454.483					Construction Vehicles
78	S-03	Cal City Substation Civil Crew (Foundation)	Driller	83	Diesel	2	7.5	80	off	0.5					0.408	2858.124			Construction Equipment
79	S-03	Cal City Substation Civil Crew (Foundation)	3/4 Crew Pick-up Truck	345	Gasoline	3	NA	120	on		60	360	26.40112759	1636.294					Construction Vehicles
80	S-03	Cal City Substation Civil Crew (Foundation)	14-ton Crane	270	Diesel	2	7.5	60	off	0.29					0.367	3637.993			Construction Equipment
81	S-03	Cal City Substation Civil Crew (Foundation)	Dump Trucks	370	Diesel	4	NA	80	on		40	320	6.405154333	3996.781					Construction Vehicles
82	S-03	Cal City Substation Civil Crew (Foundation)	Tractors/Backhoe	85	Diesel	2	7.5	80	off	0.37					0.408	2165.976			Construction Equipment
83	S-03	Cal City Substation Civil Crew (Foundation)	Forklift	174	Diesel	2	5	100	off	0.2					0.367	1796.54			Construction Equipment
84	S-03	Cal City Substation Civil Crew (Foundation)	Ditch Digger	13	Diesel	1	5	80	off	0.5					0.408	149.2193			Construction Equipment
85	S-03	Cal City Substation Civil Crew (Foundation)	Generator	13.5	Diesel	2	7.5	20	off	0.74					0.408	172.0039			Construction Equipment

Table 41: Fuel Consumption Summary

Vehicle Type	Gasoline	Diesel	Jet A
Worker Vehicles	164993	0	0
Construction Vehicles	38892	103341	0
Construction Equipment	0	574680	0
Helicopter and Support	0	2897	115896
Total	**203885**	**680918**	**115896**

EquipIndex	Activity Index	Activity Name	Equipment Name	HP	Fuel Type	Quantity	Hours Per Day	Working Days	On-Off	Load Factor	On Distance	VMT	On Efficiency	On Fuel Use	Off BSFC	Off Use	Helo Efficiency	Helo Use	Fuel Cateogory
86	S-04	Cal City Substation Electrical Crew	Truck Crane	367	Diesel	2	7.5	60	off	0.29					0.367	4944.975			Construction Equipment
87	S-04	Cal City Substation Electrical Crew	Foreman Truck	345	Gasoline	1	NA	180	on		60	120	26.40112759	818.1469					Construction Vehicles
88	S-04	Cal City Substation Electrical Crew	Manlifts	60	Diesel	4	7.5	140	off	0.31					0.408	4483.466			Construction Equipment
89	S-04	Cal City Substation Electrical Crew	5-Ton Truck	220	Gasoline	1	NA	100	on		40	80	26.40112759	303.0174					Construction Vehicles
90	S-04	Cal City Substation Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	NA	180	on		60	480	26.40112759	3272.587					Construction Vehicles
91	S-04	Cal City Substation Electrical Crew	14-ton crane	270	Diesel	2	7.5	80	off	0.29					0.367	4850.657			Construction Equipment
92	S-04	Cal City Substation Electrical Crew	Forklift	174	Diesel	2	5	120	off	0.2					0.367	2155.848			Construction Equipment
93	S-04	Cal City Substation Electrical Crew	150 Ton Crane	367	Diesel	1	7.5	40	off	0.29					0.367	1648.325			Construction Equipment
94	S-05	Cal City Substation Maintenance Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	NA	39	on		60	120	26.40112759	177.2652					Construction Vehicles
95	S-05	Cal City Substation Maintenance Crew	Gas/Processing Trailer	NA	NA	1	7.5	30	NA										Construction Vehicles
96	S-06	Cal City Substation Test Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	NA	39	on		60	120	26.40112759	177.2652					Construction Vehicles
97	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	345	Gasoline	1	NA	20	on		60	120	26.40112759	90.90521					Construction Vehicles
98	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	345	Gasoline	1	NA	20	on		60	120	26.40112759	90.90521					Construction Vehicles
99	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	NA	10	on		60	120	26.40112759	45.4526					Construction Vehicles
100	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	NA	10	on		60	120	26.40112759	45.4526					Construction Vehicles
101	S-09	Cal City Substation Demolition - Maintenance Crew	3/4 Crew Pick-up Truck	345	Gasoline	1	NA	10	on		60	120	26.40112759	45.4526					Construction Vehicles
102	S-09	Cal City Substation Demolition - Maintenance Crew	Gas/Processing Trailer	NA	NA	1	7.5	10	NA										Construction Vehicles
103	S-10	Cal City Substation Demolition - Electrical Crew	Truck Crane	367	Diesel	2	7.5	20	off	0.29					0.367	1648.325			Construction Equipment
104	S-10	Cal City Substation Demolition - Electrical Crew	Foreman Truck	345	Gasoline	1	NA	40	on		60	120	26.40112759	181.8104					Construction Vehicles
105	S-10	Cal City Substation Demolition - Electrical Crew	Manlifts	60	Diesel	4	7.5	40	off	0.31					0.408	1280.99			Construction Equipment
106	S-10	Cal City Substation Demolition - Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	NA	40	on		60	480	26.40112759	727.2417					Construction Vehicles
107	S-10	Cal City Substation Demolition - Electrical Crew	14-ton crane	270	Diesel	2	7.5	15	off	0.29					0.367	909.4982			Construction Equipment
108	S-10	Cal City Substation Demolition - Electrical Crew	Forklift	174	Diesel	2	5	40	off	0.2					0.367	718.6158			Construction Equipment
109	S-10	Cal City Substation Demolition - Electrical Crew	150 Ton Crane	367	Diesel	1	7.5	10	off	0.29					0.367	412.0813			Construction Equipment
110	S-11	Cal City Substation Demolition - Civil Crew	3/4 Crew Pick-up Truck	345	Gasoline	3	NA	58	on		60	360	26.40112759	790.8753					Construction Vehicles
111	S-11	Cal City Substation Demolition - Civil Crew	Dump Trucks	370	Diesel	4	NA	58	on		40	320	6.405154333	2897.666					Construction Vehicles
112	S-11	Cal City Substation Demolition - Civil Crew	Tractors/Backhoe	85	Diesel	3	7.5	58	off	0.37					0.408	2355.498			Construction Equipment
113	S-11	Cal City Substation Demolition - Civil Crew	Forklift	174	Diesel	2	5	58	off	0.2					0.367	1041.993			Construction Equipment
114	S-12	Holgate Substation Civil Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	NA	7	on		60	480	26.40112759	127.2673					Construction Vehicles
115	S-12	Holgate Substation Civil Crew	Tractors/Backhoe	85	Diesel	1	5	7	off	0.37					0.408	63.17429			Construction Equipment
116	S-12	Holgate Substation Civil Crew	Ditch Digger	13	Diesel	1	5	7	off	0.5					0.408	13.05669			Construction Equipment
117	S-12	Holgate Substation Civil Crew	Dump Trucks	370	Diesel	1	NA	7	on		40	80	6.405154333	87.42959					Construction Vehicles
118	S-13	Holgate Substation Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	NA	18	on		60	480	26.40112759	327.2587					Construction Vehicles
119	S-13	Holgate Substation Electrical Crew	14-ton crane	270	Diesel	1	5	15	off	0.29					0.367	303.1661			Construction Equipment
120	S-13	Holgate Substation Electrical Crew	Manlifts	60	Diesel	1	7.5	15	off	0.31					0.408	120.0928			Construction Equipment
121	S-13	Holgate Substation Electrical Crew	Forklift	174	Diesel	1	5	18	off	0.2					0.367	161.6886			Construction Equipment
122	S-13	Holgate Substation Electrical Crew	Gas/Processing Trailer	NA	NA	1	7.5	5	NA										Construction Vehicles
123	S-14	Kramer Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	345	Gasoline	4	NA	35	on		60	480	26.40112759	636.3365					Construction Vehicles
124	S-14	Kramer Substation Civil Crew (Foundations)	14 Ton Crane	270	Diesel	1	7.5	10	off	0.29					0.367	303.1661			Construction Equipment
125	S-14	Kramer Substation Civil Crew (Foundations)	Dump Trucks	370	Diesel	1	NA	35	on		40	80	6.405154333	437.1479					Construction Vehicles
126	S-14	Kramer Substation Civil Crew (Foundations)	Tractors/Backhoe	85	Diesel	1	7.5	35	off	0.37					0.408	473.8071			Construction Equipment
127	S-14	Kramer Substation Civil Crew (Foundations)	Forklift	174	Diesel	1	5	35	off	0.2					0.367	314.3944			Construction Equipment
128	S-14	Kramer Substation Civil Crew (Foundations)	Ditch Digger	13	Diesel	1	5	20	off	0.5					0.408	37.30482			Construction Equipment
129	S-15	Kramer Substation Electrical Crew	Foreman Truck	345	Gasoline	1	NA	90	on		60	120	26.40112759	409.0734					Construction Vehicles
130	S-15	Kramer Substation Electrical Crew	Manlifts	60	Diesel	2	7.5	80	off	0.31					0.408	1280.99			Construction Equipment
131	S-15	Kramer Substation Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	4	NA	90	on		60	480	26.40112759	1636.294					Construction Vehicles
132	S-15	Kramer Substation Electrical Crew	14-ton crane	270	Diesel	1	7.5	60	off	0.29					0.367	1818.996			Construction Equipment
133	S-15	Kramer Substation Electrical Crew	Forklift	174	Diesel	1	5	60	off	0.2					0.367	538.9619			Construction Equipment
134	S-15	Kramer Substation Electrical Crew	Gas/Processing Trailer	NA	NA	1	7.5	5	NA										Construction Vehicles
135	S-16	Edwards Substation Civil Crew (Foundations)	Truck Drill Rig	130	Diesel	1	7.5	8	off	0.5					0.367	201.3363			Construction Equipment
136	S-16	Edwards Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	345	Gasoline	6	NA	44	on		60	720	26.40112759	1199.949					Construction Vehicles
137	S-16	Edwards Substation Civil Crew (Foundations)	14 Ton Crane	270	Diesel	1	7.5	30	off	0.29					0.367	909.4982			Construction Equipment
138	S-16	Edwards Substation Civil Crew (Foundations)	Dump Trucks	370	Diesel	2	NA	40	on		40	160	6.405154333	999.1953					Construction Vehicles
139	S-16	Edwards Substation Civil Crew (Foundations)	Tractors/Backhoe	85	Diesel	1	7.5	40	off	0.37					0.408	541.4939			Construction Equipment
140	S-16	Edwards Substation Civil Crew (Foundations)	Forklift	174	Diesel	1	5	44	off	0.2					0.367	395.2387			Construction Equipment
141	S-16	Edwards Substation Civil Crew (Foundations)	Ditch Trencher	13	Diesel	1	5	40	off	0.5					0.408	74.60965			Construction Equipment
142	S-17	Edwards Substation Electrical Crew	Manlifts	60	Diesel	2	7.5	60	off	0.31					0.408	960.7427			Construction Equipment
143	S-17	Edwards Substation Electrical Crew	3/4 Crew Pick-up Truck	345	Gasoline	7	NA	80	on		60	840	26.40112759	2545.346					Construction Vehicles
144	S-17	Edwards Substation Electrical Crew	14-ton crane	270	Diesel	1	7.5	35	off	0.29					0.367	1061.081			Construction Equipment
145	S-17	Edwards Substation Electrical Crew	Forklift	174	Diesel	1	5	60	off	0.2					0.367	538.9619			Construction Equipment
146	S-17	Edwards Substation Electrical Crew	150 Ton Crane	367	Diesel	1	7.5	20	off	0.29					0.367	824.1625			Construction Equipment
147	S-17	Edwards Substation Electrical Crew	Gas/Processing Trailer	NA	NA	1	7.5	8	NA										Construction Vehicles
148	L-01	Staging Areas	Worker Commute	NA	Gasoline	12	NA	597	on		60	1440	26.40112759	32562.25					Worker Vehicles
149	L-02	Civil Crew (Road Work, Foundations, Ducts)	Worker Commute	NA	Gasoline	6	NA	299	on		60	720	26.40112759	8154.197					Worker Vehicles
150	L-03	Civil Crew (Road Maintenance)	Worker Commute	NA	Gasoline	3	NA	298	on		60	360	26.40112759	4063.463					Worker Vehicles
151	L-04	Structure Installation	Worker Commute	NA	Gasoline	28	NA	101	on		60	3360	26.40112759	12854					Worker Vehicles
152	L-05	Install Conductor/Cable	Worker Commute	NA	Gasoline	28	NA	235	on		60	3360	26.40112759	29907.81					Worker Vehicles
153	L-06	ADSS/OPGW Splicing	Worker Commute	NA	Gasoline	2	NA	31	on		60	240	26.40112759	281.8061					Worker Vehicles
154	L-07	Restoration (at end of construction activities)	Worker Commute	NA	Gasoline	5	NA	81	on		60	600	26.40112759	1840.83					Worker Vehicles
155	S-01	Cal City Substation Civil Crew (Site Grading)	Worker Commute	NA	Gasoline	27	NA	83	on		60	3240	26.40112759	10185.93					Worker Vehicles
156	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Worker Commute	NA	Gasoline	20	NA	87	on		60	2400	26.40112759	7908.753					Worker Vehicles
157	S-03	Cal City Substation Civil Crew (Foundation)	Worker Commute	NA	Gasoline	22	NA	123	on		60	2640	26.40112759	12299.47					Worker Vehicles
158	S-04	Cal City Substation Electrical Crew	Worker Commute	NA	Gasoline	18	NA	190	on		60	2160	26.40112759	15544.79					Worker Vehicles
159	S-05	Cal City Substation Maintenance Crew	Worker Commute	NA	Gasoline	1	NA	39	on		60	120	26.40112759	177.2652					Worker Vehicles
160	S-06	Cal City Substation Test Crew	Worker Commute	NA	Gasoline	1	NA	39	on		60	120	26.40112759	177.2652					Worker Vehicles
161	S-07	Cal City Substation Test Crew and Wireman (Cutover)	Worker Commute	NA	Gasoline	2	NA	20	on		60	240	26.40112759	181.8104					Worker Vehicles
162	S-08	Cal City Substation Demolition - Test Crew	Worker Commute	NA	Gasoline	4	NA	10	on		60	480	26.40112759	181.8104					Worker Vehicles
163	S-09	Cal City Substation Demolition - Maintenance Crew	Worker Commute	NA	Gasoline	1	NA	10	on		60	120	26.40112759	45.4526					Worker Vehicles
164	S-10	Cal City Substation Demolition - Electrical Crew	Worker Commute	NA	Gasoline	20	NA	40	on		60	2400	26.40112759	3636.208					Worker Vehicles
165	S-11	Cal City Substation Demolition - Civil Crew	Worker Commute	NA	Gasoline	14	NA	58	on		60	1680	26.40112759	3690.751					Worker Vehicles
166	S-12	Holgate Substation Civil Crew	Worker Commute	NA	Gasoline	9	NA	7	on		60	1080	26.40112759	286.3514					Worker Vehicles
167	S-13	Holgate Substation Electrical Crew	Worker Commute	NA	Gasoline	10	NA	18	on		60	1200	26.40112759	818.1469					Worker Vehicles
168	S-14	Kramer Substation Civil Crew (Foundations)	Worker Commute	NA	Gasoline	9	NA	35	on		60	1080	26.40112759	1431.757					Worker Vehicles
169	S-15	Kramer Substation Electrical Crew	Worker Commute	NA	Gasoline	12	NA	102	on		60	1440	26.40112759	5563.399					Worker Vehicles
170	S-16	Edwards Substation Civil Crew (Foundations)	Worker Commute	NA	Gasoline	15	NA	44	on		60	1800	26.40112759	2999.872					Worker Vehicles
171	S-17	Edwards Substation Electrical Crew	Worker Commute	NA	Gasoline	17	NA	132	on		60	2040	26.40112759	10199.56					Worker Vehicles

Table 1: Equipment List and Trip Requirements

Equip Index	Activity Index	Activity Name	Equipment Name	Quantity	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
1	L-01	Staging Areas	1-Ton Truck, 4x4	4	60	2	480	286,560	8	Automobile
4	L-01	Staging Areas	Water Truck	4	30	2	240	143,280	8	Const Vehicle
5	L-02	Civil Crew (Road Work, Foundations, Ducts)	1-Ton Truck, 4x4	7	60	2	840	251,160	14	Automobile
9	L-02	Civil Crew (Road Work, Foundations, Ducts)	Lowboy Truck/Trailer	1	40	2	80	23,920	2	Const Vehicle
10	L-02	Civil Crew (Road Work, Foundations, Ducts)	3/4-Ton Truck, 4x4	7	60	2	840	251,160	14	Automobile
13	L-02	Civil Crew (Road Work, Foundations, Ducts)	Water Truck	2	30	2	120	35,880	4	Const Vehicle
15	L-02	Civil Crew (Road Work, Foundations, Ducts)	Dump Truck	1	40	2	80	23,920	2	Const Vehicle
16	L-02	Civil Crew (Road Work, Foundations, Ducts)	Concrete Mixer Truck	7	40	2	560	167,440	14	Const Vehicle
18	L-03	Civil Crew (Road Maintenance)	Water Truck	1	30	2	60	17,880	2	Const Vehicle
19	L-03	Civil Crew (Road Maintenance)	1-Ton Truck, 4x4	1	60	2	120	35,760	2	Automobile
20	L-04	Structure Installation	3/4-Ton Truck, 4x4	7	60	2	840	84,840	14	Automobile
22	L-04	Structure Installation	Flat Bed Pole Truck	1	40	2	80	8,080	2	Const Vehicle
23	L-04	Structure Installation	Water Truck	2	30	2	120	12,120	4	Const Vehicle
26	L-04	Structure Installation	1-Ton Truck, 4x4	7	60	2	840	84,840	14	Automobile
29	L-04	Structure Installation	Jet A Fuel Truck	1	40	2	80	8,080	2	Const Vehicle
30	L-04	Structure Installation	Helicopter Support Truck	1	40	2	80	8,080	2	Const Vehicle
32	L-05	Install Conductor/Cable	3/4-Ton Truck, 4x4	7	60	2	840	197,400	14	Automobile
33	L-05	Install Conductor/Cable	1-Ton Truck, 4x4	7	60	2	840	197,400	14	Automobile
36	L-05	Install Conductor/Cable	Dump Truck	1	40	2	80	18,800	2	Const Vehicle
44	L-05	Install Conductor/Cable	Water Truck	2	30	2	120	28,200	4	Const Vehicle
45	L-05	Install Conductor/Cable	Jet A Fuel Truck	1	40	2	80	18,800	2	Const Vehicle
46	L-05	Install Conductor/Cable	Helicopter Support Truck	1	40	2	80	18,800	2	Const Vehicle
51	L-06	ADSS/OPGW Splicing	Splice Lab Truck	1	40	2	80	2,480	2	Const Vehicle
52	L-06	ADSS/OPGW Splicing	Foreman Truck	1	60	2	120	3,720	2	Automobile
53	L-07	Restoration (at end of construction activities)	1-Ton Truck, 4x4	2	60	2	240	19,440	4	Automobile
56	L-07	Restoration (at end of construction activities)	Water Truck	1	30	2	60	4,860	2	Const Vehicle
58	L-07	Restoration (at end of construction activities)	Lowboy Truck/Trailer	1	40	2	80	6,480	2	Const Vehicle
59	S-01	Cal City Substation Civil Crew (Site Grading)	Water Truck	6	10	2	120	9,600	12	Const Vehicle
61	S-01	Cal City Substation Civil Crew (Site Grading)	Dump Trucks	4	40	2	320	19,200	8	Const Vehicle
65	S-01	Cal City Substation Civil Crew (Site Grading)	Survey Truck	1	60	2	120	3,600	2	Automobile
66	S-01	Cal City Substation Civil Crew (Site Grading)	Soils Test Crew Truck	1	40	2	80	4,800	2	Automobile
67	S-01	Cal City Substation Civil Crew (Site Grading)	3/4 Crew Pick-up Truck	3	60	2	360	43,200	6	Automobile
68	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Water Truck	2	10	2	40	3,200	4	Const Vehicle
71	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Dump Trucks	4	40	2	320	19,200	8	Const Vehicle
75	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Survey Truck	1	60	2	120	8,400	2	Automobile
76	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Soils Test Crew Truck	1	40	2	80	4,800	2	Automobile
77	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	3/4 Crew Pick-up Truck	4	60	2	480	38,400	8	Automobile
79	S-03	Cal City Substation Civil Crew (Foundation)	3/4 Crew Pick-up Truck	3	60	2	360	43,200	6	Automobile
81	S-03	Cal City Substation Civil Crew (Foundation)	Dump Trucks	4	40	2	320	25,600	8	Const Vehicle
87	S-04	Cal City Substation Electrical Crew	Foreman Truck	1	60	2	120	21,600	2	Automobile
89	S-04	Cal City Substation Electrical Crew	5-Ton Truck	1	40	2	80	8,000	2	Const Vehicle
90	S-04	Cal City Substation Electrical Crew	3/4 Crew Pick-up Truck	4	60	2	480	86,400	8	Automobile
94	S-05	Cal City Substation Maintenance Crew	3/4 Crew Pick-up Truck	1	60	2	120	4,800	2	Automobile
96	S-06	Cal City Substation Test Crew	3/4 Crew Pick-up Truck	1	60	2	120	4,800	2	Automobile
97	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	1	60	2	120	4,800	2	Automobile
98	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	1	60	2	120	4,800	2	Automobile
99	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	1	60	2	120	1,200	2	Automobile
100	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	1	60	2	120	1,200	2	Automobile

Equip Index	Activity Index	Activity Name	Equipment Name	Quantity	On Distance per Trip (miles)	Trips Per Day	Daily VMT	Total VMT	Total Trips per day	Automobile Type
101	S-09	Cal City Substation Demolition - Maintenance Crew	3/4 Crew Pick-up Truck	1	60	2	120	1,200	2	Automobile
104	S-10	Cal City Substation Demolition - Electrical Crew	Foreman Truck	1	60	2	120	7,200	2	Automobile
106	S-10	Cal City Substation Demolition - Electrical Crew	3/4 Crew Pick-up Truck	4	60	2	480	28,800	8	Automobile
110	S-11	Cal City Substation Demolition - Civil Crew	3/4 Crew Pick-up Truck	3	60	2	360	21,600	6	Automobile
111	S-11	Cal City Substation Demolition - Civil Crew	Dump Trucks	4	40	2	320	19,200	8	Const Vehicle
114	S-12	Holgate Substation Civil Crew	3/4 Crew Pick-up Truck	4	60	2	480	9,600	8	Automobile
117	S-12	Holgate Substation Civil Crew	Dump Trucks	1	40	2	80	1,600	2	Const Vehicle
118	S-13	Holgate Substation Electrical Crew	3/4 Crew Pick-up Truck	4	60	2	480	9,600	8	Automobile
123	S-14	Kramer Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	4	60	2	480	21,600	8	Automobile
125	S-14	Kramer Substation Civil Crew (Foundations)	Dump Trucks	1	40	2	80	3,200	2	Const Vehicle
129	S-15	Kramer Substation Electrical Crew	Foreman Truck	1	60	2	120	10,800	2	Automobile
131	S-15	Kramer Substation Electrical Crew	3/4 Crew Pick-up Truck	4	60	2	480	43,200	8	Automobile
136	S-16	Edwards Substation Civil Crew (Foundations)	3/4 Crew Pick-up Truck	6	60	2	720	43,200	12	Automobile
138	S-16	Edwards Substation Civil Crew (Foundations)	Dump Trucks	2	40	2	160	6,400	4	Const Vehicle
143	S-17	Edwards Substation Electrical Crew	3/4 Crew Pick-up Truck	7	60	2	840	67,200	14	Automobile
148	L-01	Staging Areas	Worker Commute	12	60	2	1,440	859,680	24	Automobile
149	L-02	Civil Crew (Road Work, Foundations, Ducts)	Worker Commute	6	60	2	720	215,280	12	Automobile
150	L-03	Civil Crew (Road Maintenance)	Worker Commute	3	60	2	360	107,280	6	Automobile
151	L-04	Structure Installation	Worker Commute	28	60	2	3,360	339,360	56	Automobile
152	L-05	Install Conductor/Cable	Worker Commute	28	60	2	3,360	789,600	56	Automobile
153	L-06	ADSS/OPGW Splicing	Worker Commute	2	60	2	240	7,440	4	Automobile
154	L-07	Restoration (at end of construction activities)	Worker Commute	5	60	2	600	48,600	10	Automobile
155	S-01	Cal City Substation Civil Crew (Site Grading)	Worker Commute	27	60	2	3,240	268,920	54	Automobile
156	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Worker Commute	20	60	2	2,400	208,800	40	Automobile
157	S-03	Cal City Substation Civil Crew (Foundation)	Worker Commute	22	60	2	2,640	324,720	44	Automobile
158	S-04	Cal City Substation Electrical Crew	Worker Commute	18	60	2	2,160	410,400	36	Automobile
159	S-05	Cal City Substation Maintenance Crew	Worker Commute	1	60	2	120	4,680	2	Automobile
160	S-06	Cal City Substation Test Crew	Worker Commute	1	60	2	120	4,680	2	Automobile
161	S-07	Cal City Substation Test Crew and Wireman (Cutover)	Worker Commute	2	60	2	240	4,800	4	Automobile
162	S-08	Cal City Substation Demolition - Test Crew	Worker Commute	4	60	2	480	4,800	8	Automobile
163	S-09	Cal City Substation Demolition - Maintenance Crew	Worker Commute	1	60	2	120	1,200	2	Automobile
164	S-10	Cal City Substation Demolition - Electrical Crew	Worker Commute	20	60	2	2,400	96,000	40	Automobile
165	S-11	Cal City Substation Demolition - Civil Crew	Worker Commute	14	60	2	1,680	97,440	28	Automobile
166	S-12	Holgate Substation Civil Crew	Worker Commute	9	60	2	1,080	7,560	18	Automobile
167	S-13	Holgate Substation Electrical Crew	Worker Commute	10	60	2	1,200	21,600	20	Automobile
168	S-14	Kramer Substation Civil Crew (Foundations)	Worker Commute	9	60	2	1,080	37,800	18	Automobile
169	S-15	Kramer Substation Electrical Crew	Worker Commute	12	60	2	1,440	146,880	24	Automobile
170	S-16	Edwards Substation Civil Crew (Foundations)	Worker Commute	15	60	2	1,800	79,200	30	Automobile
171	S-17	Edwards Substation Electrical Crew	Worker Commute	17	60	2	2,040	269,280	34	Automobile

Table 2: Activity Schedule and Vehicle Trip Summary

Index	Name	Workforce	Start Date	End Date	Working Days	Daily Trips	Daily Automobile Trips	Daily Const Vehicle Trips	Daily VMT	Daily Automobile VMT	Daily Const Vehicle VMT	Total VMT	Total Automobile VMT	Total Const Vehicle VMT
L-01	Staging Areas	16	3/2/2026	2/26/2028	597	40	32	8	2,160	1,920	240	1,289,520	1,146,240	143,280
L-02	Civil Crew (Road Work, Foundations, Ducts)	20	3/2/2026	2/27/2027	299	62	40	22	3,240	2,400	840	968,760	717,600	251,160
L-03	Civil Crew (Road Maintenance)	4	3/1/2027	2/26/2028	298	10	8	2	540	480	60	160,920	143,040	17,880
L-04	Structure Installation	42	6/1/2026	9/30/2026	101	94	84	10	5,400	5,040	360	545,400	509,040	36,360
L-05	Install Conductor/Cable	42	10/1/2026	7/14/2027	235	94	84	10	5,400	5,040	360	1,269,000	1,184,400	84,600
L-06	ADSS/OPGW Splicing	3	7/15/2027	8/19/2027	31	8	6	2	440	360	80	13,640	11,160	2,480
L-07	Restoration (at end of construction activities)	7	8/20/2027	11/27/2027	81	18	14	4	980	840	140	79,380	68,040	11,340
S-01	Cal City Substation Civil Crew (Site Grading)	32	3/2/2026	6/26/2026	83	84	64	20	4,240	3,800	440	349,320	320,520	28,800
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	26	6/29/2026	10/30/2026	87	64	52	12	3,440	3,080	360	282,800	260,400	22,400
S-03	Cal City Substation Civil Crew (Foundation)	25	7/6/2026	12/31/2026	123	58	50	8	3,320	3,000	320	393,520	367,920	25,600
S-04	Cal City Substation Electrical Crew	23	1/4/2027	10/1/2027	190	48	46	2	2,840	2,760	80	526,400	518,400	8,000
S-05	Cal City Substation Maintenance Crew	2	7/19/2027	9/10/2027	39	4	4	0	240	240	-	9,480	9,480	-
S-06	Cal City Substation Test Crew	2	7/19/2027	9/10/2027	39	4	4	0	240	240	-	9,480	9,480	-
S-07	Cal City Substation Test Crew and Wireman (Cutover)	4	9/13/2027	10/8/2027	20	8	8	0	480	480	-	14,400	14,400	-
S-08	Cal City Substation Demolition - Test Crew	6	10/18/2027	10/29/2027	10	12	12	0	720	720	-	7,200	7,200	-
S-09	Cal City Substation Demolition - Maintenance Crew	2	10/18/2027	10/29/2027	10	4	4	0	240	240	-	2,400	2,400	-
S-10	Cal City Substation Demolition - Electrical Crew	25	11/1/2027	12/31/2027	40	50	50	0	3,000	3,000	-	132,000	132,000	-
S-11	Cal City Substation Demolition - Civil Crew	17	1/3/2028	3/24/2028	58	42	34	8	2,360	2,040	320	138,240	119,040	19,200
S-12	Holgate Substation Civil Crew	13	4/26/2027	5/4/2027	7	28	26	2	1,640	1,560	80	18,760	17,160	1,600
S-13	Holgate Substation Electrical Crew	14	5/5/2027	5/28/2027	18	28	28	0	1,680	1,680	-	31,200	31,200	-
S-14	Kramer Substation Civil Crew (Foundations)	13	3/15/2027	4/30/2027	35	28	26	2	1,640	1,560	80	62,600	59,400	3,200
S-15	Kramer Substation Electrical Crew	17	5/3/2027	9/24/2027	102	34	34	0	2,040	2,040	-	200,880	200,880	-
S-16	Edwards Substation Civil Crew (Foundations)	21	2/1/2027	4/2/2027	44	46	42	4	2,680	2,520	160	128,800	122,400	6,400
S-17	Edwards Substation Electrical Crew	24	4/5/2027	10/8/2027	132	48	48	0	2,880	2,880	-	336,480	336,480	-

Table 3: Daily VMT by Vehicle Type

Vehicle Class	3/2/2026	6/1/2026	6/26/2026	6/29/2026	7/6/2026	9/30/2026	10/1/2026	10/30/2026	12/31/2026	1/4/2027	2/1/2027	2/27/2027	3/1/2027	3/15/2027	4/2/2027	4/5/2027	4/26/2027	4/30/2027	5/3/2027	5/4/2027	5/5/2027	5/28/2027	7/14/2027	7/15/2027	7/19/2027
Automobile	8,120	13,160	13,160	12,440	15,440	15,440	15,440	15,440	12,360	12,120	14,640	14,640	12,720	14,280	14,280	14,640	16,200	16,200	16,680	16,680	16,800	16,800	15,120	10,440	10,920
Const Vehicle	1,520	1,880	1,880	1,800	2,120	2,120	2,120	2,120	1,760	1,520	1,680	1,680	900	980	980	820	900	900	820	820	740	740	740	460	460
Total	**9,640**	**15,040**	**15,040**	**14,240**	**17,560**	**17,560**	**17,560**	**17,560**	**14,120**	**13,640**	**16,320**	**16,320**	**13,620**	**15,260**	**15,260**	**15,460**	**17,100**	**17,100**	**17,500**	**17,500**	**17,540**	**17,540**	**15,860**	**10,900**	**11,380**

Table 4: Daily Vehicle Trip Count By Vehicle Type

Vehicle Class	3/2/2026	6/1/2026	6/26/2026	6/29/2026	7/6/2026	9/30/2026	10/1/2026	10/30/2026	12/31/2026	1/4/2027	2/1/2027	2/27/2027	3/1/2027	3/15/2027	4/2/2027	4/5/2027	4/26/2027	4/30/2027	5/3/2027	5/4/2027	5/5/2027	5/28/2027	7/14/2027	7/15/2027	7/19/2027
Automobile	136	220	220	208	258	258	258	258	206	202	244	244	212	238	238	244	270	270	278	278	280	280	252	174	182
Const Vehicle	50	60	60	52	60	60	60	60	48	42	46	46	26	28	28	24	26	26	24	24	22	22	22	14	14
Total	**186**	**280**	**280**	**260**	**318**	**318**	**318**	**318**	**254**	**244**	**290**	**290**	**238**	**266**	**266**	**268**	**296**	**296**	**302**	**302**	**302**	**302**	**274**	**188**	**196**

Table 5: Total Vehicle Trips Required

Metric	3/2/2026	6/1/2026	6/26/2026	6/29/2026	7/6/2026	9/30/2026	10/1/2026	10/30/2026	12/31/2026	1/4/2027	2/1/2027	2/27/2027	3/1/2027	3/15/2027	4/2/2027	4/5/2027	4/26/2027	4/30/2027	5/3/2027	5/4/2027	5/5/2027	5/28/2027	7/14/2027	7/15/2027	7/19/2027
Working Days	78	22	3	5	74	2	25	50	3	24	23	2	13	17	3	19	5	3	2	2	21	38	2	4	28
Total Trips	14,508	6,160	840	1,300	23,532	636	7,950	15,900	762	5,856	6,670	580	3,094	4,522	798	5,092	1,480	888	604	604	6,342	11,476	548	752	5,488

Table 6: Daily Workforce Estimate

Vehicle Class	3/2/2026	6/1/2026	6/26/2026	6/29/2026	7/6/2026	9/30/2026	10/1/2026	10/30/2026	12/31/2026	1/4/2027	2/1/2027	2/27/2027	3/1/2027	3/15/2027	4/2/2027	4/5/2027	4/26/2027	4/30/2027	5/3/2027	5/4/2027	5/5/2027	5/28/2027	7/14/2027	7/15/2027	7/19/2027
Workforce	68	110	110	104	129	129	129	129	103	101	122	122	106	119	119	122	135	135	139	139	140	140	126	87	91

Table 7: Total VMT by Vehicle Type

Vehicle Class	Total
Automobile	6,308,280
Const Vehicle	662,300
Total	**6,970,580**

Table 3: Daily VMT by Vehicle (continued)

Vehicle Class	8/19/2027	8/20/2027	9/10/2027	9/13/2027	9/24/2027	10/1/2027	10/8/2027	10/18/2027	10/29/2027	11/1/2027	11/27/2027	12/31/2027	1/3/2028	2/26/2028	3/24/2028	Max
Automobile	10,920	11,400	11,400	11,400	11,400	9,360	6,600	4,200	4,200	6,240	6,240	5,400	4,440	4,440	2,040	16,800
Const Vehicle	460	520	520	520	520	520	440	440	440	440	440	300	620	620	320	2,120
Total	**11,380**	**11,920**	**11,920**	**11,920**	**11,920**	**9,880**	**7,040**	**4,640**	**4,640**	**6,680**	**6,680**	**5,700**	**5,060**	**5,060**	**2,360**	**17,560**

Table 4: Daily Vehicle Trip Count By Vehicle Type (continued)

Vehicle Class	8/19/2027	8/20/2027	9/10/2027	9/13/2027	9/24/2027	10/1/2027	10/8/2027	10/18/2027	10/29/2027	11/1/2027	11/27/2027	12/31/2027	1/3/2028	2/26/2028	3/24/2028	Max
Automobile	182	190	190	190	190	156	110	70	70	104	104	90	74	74	34	280
Const Vehicle	14	16	16	16	16	16	14	14	14	14	14	10	18	18	8	60
Total	**196**	**206**	**206**	**206**	**206**	**172**	**124**	**84**	**84**	**118**	**118**	**100**	**92**	**92**	**42**	**318**

Table 5: Total Vehicle Trips Required (continued)

Metric	8/19/2027	8/20/2027	9/10/2027	9/13/2027	9/24/2027	10/1/2027	10/8/2027	10/18/2027	10/29/2027	11/1/2027	11/27/2027	12/31/2027	1/3/2028	2/26/2028	3/24/2028	Average
Working Days	2	18	3	11	7	7	8	11	3	21	27	1	46	24	1	228.6
Total Trips	392	3,708	618	2,266	1,442	1,204	992	924	252	2,478	3,186	100	4,232	2,208	42	

Table 6: Daily Workforce Estimate (continued)

Vehicle Class	8/19/2027	8/20/2027	9/10/2027	9/13/2027	9/24/2027	10/1/2027	10/8/2027	10/18/2027	10/29/2027	11/1/2027	11/27/2027	12/31/2027	1/3/2028	2/26/2028	3/24/2028	Max
Workforce	91	95	95	95	95	78	55	35	35	52	52	45	37	37	17	140

F.2 Health Risk Assessment Memorandum

Rincon Consultants, Inc.
180 North Ashwood Avenue
Ventura, California 93003
805-644-4455

June 19, 2024
Project No: 21-11379

Rey Gonzales, MPA
Southern California Edison
Environmental Service Department
2244 Walnut Grove Avenue
Rosemead, California 91770

Subject: Cal City Substation 115 kV Upgrade Project Construction Health Risk Assessment

Dear Mr. Gonzales:

This memorandum assesses construction-related air emissions associated with the development of the Cal City Substation 115 Kilovolt (kV) Upgrade Project (Proposed Project). A health risk assessment (HRA) was prepared by Rincon Consultants, Inc. (Rincon), under contract to Southern California Edison (SCE). The purpose of this HRA is to determine the potential for construction to pose health risks to sensitive receptors near construction activities anticipated at Cal City Substation, specifically. Construction health risks associated with the Proposed Project have been compared to Eastern Kern Air Pollution Control District (EKAPCD) cancer and hazard risk thresholds.

The Cal City Substation is the primary focus of this analysis due to its proximity to nearby residential receptors. Additionally, the anticipated construction emissions are considerably larger at Cal City Substation than from construction activities associated with the Proposed Project at other substations and laydown yards, which are also located further from residential receptors than Cal City Substation. Linear construction activities under the Proposed Project generally are not as intensive and would only expose nearby sensitive receptors, where present, for a very brief amount of time as work progresses along the route. Therefore, construction activities at Cal City Substation are expected to yield the highest potential health risk impacts and construction activities associated with any other components of the Proposed Project are expected to be less impactful.

Project Summary

The Proposed Project would add load-serving capacity in the Electrical Needs Area (ENA) to serve current and long-term forecast electrical demand, improve system reliability within the ENA by providing diverse routes of power supply to the region, improve system operational flexibility by minimizing reliance on Edwards Substation (located on military base with restricted access) to provide power to the ENA (adjacent to military base), and improve system reliability within the ENA by providing a diversely-routed second 115 kV source line to Edwards Substation. The Proposed Project is divided into four major component categories, which include subtransmission, substation, distribution, and telecommunication. This HRA focuses on the substation component of the Proposed Project, including construction activities anticipated at the existing Cal City Substation.

As part of the Proposed Project, the existing Cal City Substation would be expanded to the north and south, adding approximately 10 acres to the total facility area.[1] The entire area would be graded,

[1] The Proposed Project would expand the approximately 5-acre Cal City Substation by approximately 10 acres onto parcels acquired by SCE in 2022. A portion of the expanded substation property would accommodate the expanded substation footprint and security fence line; the remainder of the property would be used for drainage improvements and material staging.

compacted, and leveled to create a generally flat surface. The expansion area would be prepared for the installation of the new substation equipment, drainage improvements, and creation of staging areas. Construction activities at Cal City Substation would occur over approximately 24 months starting in March 2026. Soil excavated during project construction would be stored on-site and used for backfill. Construction hours would generally occur between 6:00 am and 7:00 pm, Monday through Saturday.

Methodology

Air Dispersion Modeling

The Proposed Project's Cal City Substation construction activities would be located within the jurisdiction of EKAPCD. EKAPCD does not have modeling guidance for the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD). As a result, the modeling guidance for AERMOD from South Coast Air Quality Management District (SCAQMD), a nearby air district also located in southern California, was utilized. In addition, the analysis contained herein was conducted in accordance with Office of Environmental Health Hazard Assessment (OEHHA)-recommended procedures. This HRA estimates health risks associated with temporary emissions of toxic air contaminants (TACs) during Cal City Substation construction activities, specifically, construction activities requiring diesel-fueled heavy equipment and trucks, resulting in diesel particulate matter emissions (DPM). Site-specific air dispersion modeling was conducted using Lakes Environmental's AERMOD View model (version 23132). Dispersion modeling was used to characterize DPM emissions and ground-level concentrations associated with on-site construction activities over the approximately 24-month construction period. Construction activity and staging areas were modeled as area sources in AERMOD with an assumed release height of five meters, corresponding to the approximate height of off-road equipment mufflers from which exhaust emissions would be released (SCAQMD 2008). Line volume sources were used to represent the construction haul route and on-road mobile equipment route. It is assumed the height of the trucks would be 4.26 meters, with a width of 2.59 meters (California Department of Transportation [Caltrans] 2024; Schneider 2024). Construction emissions would not be generated during nighttime hours; therefore, the dispersion modeling allocates the emissions during active construction hours, Monday to Saturday, from 6:00 a.m. to 7:00 p.m.

In the AERMOD model, 202 receptors were placed with a spacing of 20 meters or less to represent existing residential and school receptors around Cal City Substation. The model did not apply a flagpole height for receptors, consistent with SCAQMD modeling guidance (SCAQMD 2024). Sensitive receptors selected for the model were located at sensitive land uses, such as residences and schools within approximately 1,000 feet of Cal City Substation and along the haul truck route on Hacienda Boulevard. Sites that were not explicitly modeled would result in risk that would be less than the risk modeled for those receptors included in the analysis due to a lesser ground-level concentrations than sensitive receptors immediately near Cal City Substation. The nearest sensitive receptors, approximately 280 feet southeast of anticipated staging activities at the Cal City Substation (including proposed Staging Area 1-17), are single-family units along Hacienda Boulevard and Mendiburu Road. Additional sensitive receptors were sited at the California City High School, approximately 700 feet southwest of anticipated construction activities at Cal City Substation.

The AERMOD model requires hourly meteorological data consisting of wind vector, wind speed, temperature, stability class, and mixing height. The Edwards Air Force Base is the nearest representative air monitoring station with meteorological data and is approximately 15.5 miles southeast of Cal City Substation. AERMOD's 10-meter National Elevation Dataset data was applied to produce terrain base elevation data for each receptor and source, and a hill height scale value for

each receptor. AERMOD's urban option was applied based on SCAQMD guidance for Eastern Kern County (United States Census Bureau 2020, SCAQMD 2024). The presence of buildings and other structures disturbs downwind air flow. However, building downwash is only calculated for point sources and it is not appropriate to include in AERMOD for this HRA because there are no point sources in the analysis.

Emissions Calculations and Source Modeling

Emissions calculations for the Proposed Project's Cal City Substation construction activities were provided in the Proponent's Environmental Assessment Section 5.3, *Air Quality*, and are shown in Attachment A. Table 1 summarizes the approximate construction schedule used as part of the air quality analysis (Attachment A).

Table 1 Anticipated Construction Schedule at Cal City Substation

Construction Activity	Start (month/day/year)	Finish (month/day/year)	Duration (days)
Cal City Substation Civil Crew (Site Grading)	3/2/2026	6/26/2026	83
Staging Areas[1]	3/2/2026	2/26/2028	727
Cal City Substation Civil Crew (Channel Install & Additions)	6/29/2026	10/30/2026	87
Cal City Substation Civil Crew (Foundation)	7/6/2026	12/31/2026	123
Cal City Substation Electrical Crew	1/4/2027	10/1/2027	190
Cal City Substation Maintenance Crew	7/19/2027	9/10/2027	39
Cal City Substation Test Crew	7/19/2027	9/10/2027	39
Cal City Substation Test Crew and Wireman (Cutover)	9/13/2027	10/8/2027	20
Cal City Substation Demolition - Test Crew	10/18/2027	10/29/2027	10
Cal City Substation Demolition - Maintenance Crew	10/18/2027	10/29/2027	10
Cal City Substation Demolition - Electrical Crew	11/1/2027	12/31/2027	40
Cal City Substation Demolition - Civil Crew	1/3/2028	3/24/2028	58

[1]Conseratively assumes that all daily construction staging activity for the Proposed Project would occur at Cal City Substation staging areas. The on-road mobile equipment's vehicle miles traveled length per trip during staging activity is adjusted to match the haul route segment length modeled in AERMOD from the construction center.

Note: This table includes an estimated construction schedule and is subject to change.

See Attachment A for construction assumptions

DPM emissions are produced by the burning of diesel fuel in vehicles and off-road equipment during construction. Estimates for dust emissions are provided in Attachment A and were subtracted from particulate matter 10 micrometers or less in diameter (PM_{10}) emission estimates during off-road and on-road construction activities to calculate PM_{10} exhaust emissions. PM_{10} exhaust contains DPM and other air toxics, so using PM_{10} exhaust as an estimate for DPM emissions is a conservative approach.

Risk Analysis

Health risk was calculated using in-house spreadsheets and is consistent with the OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines: The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015) and SCAQMD's Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act

(SCAQMD 2020). The single-family residences located southeast of the Proposed Project's Cal City Substation construction activities are the nearest sensitive receptors. As a conservative (i.e., health protective) approach, residential risk factors were applied to the school, which includes greater age sensitive factor (ASF) from the 3rd trimester to two years old and increased breathing rates. In addition, as there is a school within the 1,000-foot buffer, fraction of time at home (FAH) was assumed to be 1 for all receptors under 17 years of age.

Significance Threshold

EKAPCD recommends the use of this risk level (also reportable as 10 in one million) as the significance threshold for TACs The EKAPCD also recommends that the non-carcinogenic hazards of TACs should not exceed a hazard index (the summation of the hazard quotients for all chemicals to which an individual would be exposed) of 1 for either chronic or acute effects (EKAPCD 2020). DPM is not associated with acute health risks; therefore, acute risk was not evaluated (OEHHA 2023).

Results

Air Dispersion Modeling and Risk Analysis Results

Maximum cancer risks are presented in Table 2. The Maximum Exposed Individual Receptor (MEIR) is the modeled receptor experiencing the highest incremental excess cancer risk under the total exposure duration (24 months). The MEIR was determined through an iterative process evaluating potential receptors based on model-generated risk contours to ensure the maximum incremental excess cancer risk is captured. The MEIR was determined to be located at edge of a single-family residence located approximately 280 feet south of the Proposed Project's construction activities anticipated along Hacienda Boulevard. The model outputs are available in Attachment B. As shown in Table 2, the cancer risk and chronic hazard index at the MEIR would be below EKAPCD health risk thresholds under the unmitigated construction emissions scenario.

Table 2 Unmitigated Health Risks Associated with Construction Activity at Cal City Substation

Scenario	Excess Cancer Risk (per million)	Chronic Health Risk[1]
Maximally Exposed Individual Receptor (MEIR)	8.15	0.019
EKAPCD Significance Threshold	>10	>1
Threshold Exceeded?	**No**	**No**

µg/m³ = micrograms per cubic meter; EKAPCD = East Kern Air Pollution Control District

[1]Noncancer health impacts are determined by dividing the airborne concentration at the receptor by the appropriate Reference Exposure Level (REL) for that substance. A REL is defined as the concentration at which no adverse noncancer health effects are anticipated. Because noncancer health impacts are assessed as the ratio of airborne concentration versus the REL, the resulting hazard index is unitless.

For health risk calculations, see Attachment B

As described in the Proponent's Environmental Assessment Section 5.3, Air Quality, PM_{10} emissions would exceed EKAPCD thresholds. Therefore, to reduce construction emissions, SCE would implement Applicant Proposed Measures (APM) AIR-1 and AIR-2:

AIR-1: Tier 4 Construction Equipment: All construction equipment with rating between 100 and 750 horsepower will be required to use engines compliant with the Environmental Protection Agency Tier 4 non-road engine standards. In the event a Tier 4 engine is not available for any off-road construction

equipment with rating at or higher than 100 horsepower, that documentation of the unavailability will be provided.

AIR-2: Dust Control: During construction, fugitive dust will be controlled by implementing the following measures:

- Surfaces disturbed by construction activities will be covered or treated with a dust suppressant or water until the completion of activities at each site of disturbance.
- Inactive, disturbed (e.g., excavated or graded areas) soil and soil piles will be sufficiently watered or sprayed with a soil stabilizer to create a surface crust or will be covered.
- Drop heights from excavators and loaders will be minimized to a distance of no more than approximately 5 feet. Vehicles hauling soil and other loose material will be covered with tarps or maintain at least 6 inches of freeboard.
- Vehicles will adhere to a speed limit of 15 miles per hour on Proposed Project-specific construction routes and within temporary work areas.

For informational purposes, this HRA also evaluates the health risk at the MEIR with implementation of APM AIR-1 and AIR-2. As shown in Table 3, the cancer risk and chronic hazard index at the MEIR would be further reduced and would continue to be less than EKAPCD's recommended health risk thresholds.

Table 3 Mitigated Health Risks Associated with Construction Activity at Cal City Substation

Scenario	Excess Cancer Risk (per million)	Chronic Health Risk[1]
Maximally Exposed Individual Receptor (MEIR)	5.84	0.014
EKAPCD Significance Threshold	>10	>1
Threshold Exceeded?	**No**	**No**

µg/m³ = micrograms per cubic meter; EKAPCD = East Kern Air Pollution Control District

[1]Noncancer health impacts are determined by dividing the airborne concentration at the receptor by the appropriate Reference Exposure Level (REL) for that substance. A REL is defined as the concentration at which no adverse noncancer health effects are anticipated. Because noncancer health impacts are assessed as the ratio of airborne concentration versus the REL, the resulting hazard index is unitless.

For health risk calculations, see Attachment B

Conclusion

As detailed herein, the Proposed Project's construction activities at Cal City Substation would not result in health risks to nearby sensitive receptors that exceed EKAPCD's cancer and hazard risk thresholds. Other construction activities related to the Proposed Project, like those associated with the other substations or linear construction activities, are expected to produce fewer emissions of toxic air contaminants and would be located farther away from sensitive receptors than Cal City Substation. Furthermore, construction activities at the existing Kramer Substation, Edwards Substation, and Holgate Switchyard would be of shorter duration because, unlike Cal City Substation, none of these existing SCE facilities would be expanded. Therefore, construction and staging activities at Cal City Substation would likely have the greatest impact on nearby sensitive receptors in comparison to other proposed construction activities, and the health risk impacts from other construction activities are expected to be below those presented in Table 3.

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Attachment A

Emissions Calculations

Table 14: Activity List

Index	Activity Name	Workforce	Start Date	End Date	Schedule Days
S-01	Cal City Substation Civil Crew (Site Grading)	32	3/2/2026	6/26/2026	83
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	26	6/29/2026	10/30/2026	87
S-03	Cal City Substation Civil Crew (Foundation)	25	7/6/2026	12/31/2026	123
S-04	Cal City Substation Electrical Crew	23	1/4/2027	10/1/2027	190
S-05	Cal City Substation Maintenance Crew	2	7/19/2027	9/10/2027	39
S-06	Cal City Substation Test Crew	2	7/19/2027	9/10/2027	39
S-07	Cal City Substation Test Crew and Wireman (Cutover)	4	9/13/2027	10/8/2027	20
S-08	Cal City Substation Demolition - Test Crew	6	10/18/2027	10/29/2027	10
S-09	Cal City Substation Demolition - Maintenance Crew	2	10/18/2027	10/29/2027	10
S-10	Cal City Substation Demolition - Electrical Crew	25	11/1/2027	12/31/2027	40
S-11	Cal City Substation Demolition - Civil Crew	17	1/3/2028	3/24/2028	58

Table 17: Off-Road Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Staging Areas	R/T Forklift	Diesel	4	4	Rough Terrain Forklifts	96	0.4	2026	0.155836	2.225248	4.361693	0.00662	0.044776	0.041194	716.3904	0.02906	0.005812
2	L-01	Staging Areas	Generator	Diesel	4	8	Generator Sets	45	0.74	2026	0.793719	7.946248	8.765565	0.01726	0.185908	0.171035	1335.109	0.054158	0.010832
30	S-01	Cal City Substation Civil Crew (Site Grading)	Grader	Diesel	2	5	Graders	148	0.41	2026	0.418612	3.381288	4.544843	0.006555	0.187842	0.172815	710.1049	0.028805	0.005761
31	S-01	Cal City Substation Civil Crew (Site Grading)	Compactor	Diesel	3	5	Rollers	75	0.38	2026	0.217321	2.341357	3.214703	0.004596	0.109073	0.100347	497.6378	0.020186	0.004037
32	S-01	Cal City Substation Civil Crew (Site Grading)	980 Loader/Scraper	Diesel	3	7.5	Scrapers	275	0.48	2026	1.823012	16.90705	10.23027	0.031863	0.757357	0.696768	3451.174	0.139995	0.027999
33	S-01	Cal City Substation Civil Crew (Site Grading)	Tractors/Backhoe	Diesel	2	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.127616	1.306807	2.413575	0.003392	0.044005	0.040484	367.2738	0.014898	0.00298
34	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Tractors/Backhoe	Diesel	2	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.127616	1.306807	2.413575	0.003392	0.044005	0.040484	367.2738	0.014898	0.00298
35	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Grader	Diesel	2	5	Graders	148	0.41	2026	0.418612	3.381288	4.544843	0.006555	0.187842	0.172815	710.1049	0.028805	0.005761
36	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Compactor	Diesel	1	5	Rollers	75	0.38	2026	0.07244	0.780452	1.071568	0.001532	0.036358	0.033449	165.8793	0.006729	0.001346
37	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	980 Loader/Scraper	Diesel	1	7.5	Scrapers	275	0.48	2026	0.607671	5.635682	3.410091	0.010621	0.252452	0.232256	1150.391	0.046665	0.009333
38	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Excavator	Diesel	1	7.5	Excavators	172	0.38	2026	0.159019	1.091422	3.319283	0.005271	0.052571	0.048365	570.4887	0.023142	0.004628
39	S-03	Cal City Substation Civil Crew (Foundation)	Driller	Diesel	2	7.5	Bore/Drill Rigs	83	0.5	2026	0.175892	2.249683	4.463662	0.006658	0.054956	0.050559	720.6097	0.029231	0.005846
40	S-03	Cal City Substation Civil Crew (Foundation)	14-ton Crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.647092	6.500783	3.841391	0.012614	0.270426	0.248792	1366.033	0.055412	0.011082
41	S-03	Cal City Substation Civil Crew (Foundation)	Tractors/Backhoe	Diesel	2	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.191424	1.96021	3.620362	0.005089	0.066007	0.060727	550.9108	0.022347	0.004469
42	S-03	Cal City Substation Civil Crew (Foundation)	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.147523	1.100727	2.423232	0.003738	0.055237	0.050818	404.6776	0.016415	0.003283
43	S-03	Cal City Substation Civil Crew (Foundation)	Ditch Digger	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
44	S-03	Cal City Substation Civil Crew (Foundation)	Generator	Diesel	2	7.5	Generator Sets	13.5	0.74	2026	0.17822	1.428485	0.944746	0.002621	0.057522	0.05292	187.7538	0.007616	0.001523
45	S-04	Cal City Substation Electrical Crew	Truck Crane	Diesel	2	7.5	Cranes	367	0.29	2026	0.695406	6.463764	5.76199	0.017146	0.264907	0.243714	1856.433	0.075305	0.015061
46	S-04	Cal City Substation Electrical Crew	Manlifts	Diesel	4	7.5	Aerial Lifts	60	0.31	2026	0.126349	1.910757	3.890006	0.006001	0.037583	0.034576	649.3755	0.026342	0.005268
47	S-04	Cal City Substation Electrical Crew	14-ton crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.647092	6.500783	3.841391	0.012614	0.270426	0.248792	1366.033	0.055412	0.011082
48	S-04	Cal City Substation Electrical Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.147523	1.100727	2.423232	0.003738	0.055237	0.050818	404.6776	0.016415	0.003283
49	S-04	Cal City Substation Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.347703	3.231882	2.880995	0.008573	0.132453	0.121857	928.2163	0.037653	0.007531
50	S-10	Cal City Substation Demolition - Electrical Crew	Truck Crane	Diesel	2	7.5	Cranes	367	0.29	2026	0.695406	6.463764	5.76199	0.017146	0.264907	0.243714	1856.433	0.075305	0.015061
51	S-10	Cal City Substation Demolition - Electrical Crew	Manlifts	Diesel	4	7.5	Aerial Lifts	60	0.31	2026	0.126349	1.910757	3.890006	0.006001	0.037583	0.034576	649.3755	0.026342	0.005268
52	S-10	Cal City Substation Demolition - Electrical Crew	14-ton crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.647092	6.500783	3.841391	0.012614	0.270426	0.248792	1366.033	0.055412	0.011082
53	S-10	Cal City Substation Demolition - Electrical Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.147523	1.100727	2.423232	0.003738	0.055237	0.050818	404.6776	0.016415	0.003283
54	S-10	Cal City Substation Demolition - Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.347703	3.231882	2.880995	0.008573	0.132453	0.121857	928.2163	0.037653	0.007531
55	S-11	Cal City Substation Demolition - Civil Crew	Tractors/Backhoe	Diesel	3	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.287136	2.940315	5.430544	0.007633	0.099011	0.09109	826.3661	0.033521	0.006704
56	S-11	Cal City Substation Demolition - Civil Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.147523	1.100727	2.423232	0.003738	0.055237	0.050818	404.6776	0.016415	0.003283

Table 21: On-Road Uncontrolled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Staging Areas	1-Ton Truck, 4x4	Diesel	4	2026	8	0.75	6	95	5.7	0.3	passenger	0.002111	0.011838	0.014775	4.33E-05	0.001893	0.04644	4.571128	9.80433E-05	0.00072
2	L-01	Staging Areas	Water Truck	Diesel	4	2026	8	0.75	6	90	5.4	0.6	vendor	0.001968	0.130143	0.060483	0.0003	0.001026	0.08906	31.64378	9.13862E-05	0.004985
28	S-01	Cal City Substation Civil Crew (Site Grading)	Water Truck	diesel	6	2026	12	10	120	95	114	6	vendor	0.00617	0.370147	0.103661	0.002903	0.017331	0.902778	306.5957	0.000286604	0.048304
29	S-01	Cal City Substation Civil Crew (Site Grading)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	0.099771	2.433971	1235.632	0.004461719	0.194674
30	S-01	Cal City Substation Civil Crew (Site Grading)	Survey Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
31	S-01	Cal City Substation Civil Crew (Site Grading)	Soils Test Crew Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	0.002879	0.597841	56.59692	0.001335466	0.00168
32	S-01	Cal City Substation Civil Crew (Site Grading)	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	0.012936	2.690269	254.144	0.005357683	0.007308
33	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Water Truck	Diesel	2	2026	4	10	40	95	38	2	vendor	0.002057	0.123382	0.034554	0.000968	0.005777	0.300926	102.1986	9.55346E-05	0.016101
34	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	0.099771	2.433971	1235.632	0.004461719	0.194674
35	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Survey Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
36	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Soils Test Crew Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	0.002879	0.597841	56.59692	0.001335466	0.00168
37	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	0.017248	3.587025	338.8586	0.007143577	0.009744
38	S-03	Cal City Substation Civil Crew (Foundation)	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	0.012936	2.690269	254.144	0.005357683	0.007308
39	S-03	Cal City Substation Civil Crew (Foundation)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	0.099771	2.433971	1235.632	0.004461719	0.194674
40	S-04	Cal City Substation Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
41	S-04	Cal City Substation Electrical Crew	5-Ton Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	0.002879	0.597841	56.59692	0.001335466	0.00168
42	S-04	Cal City Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	0.017248	3.587025	338.8586	0.007143577	0.009744
43	S-05	Cal City Substation Maintenance Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
44	S-06	Cal City Substation Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
45	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
46	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
47	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
48	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
49	S-09	Cal City Substation Demolition - Maintenance Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
50	S-10	Cal City Substation Demolition - Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.896756	84.71466	0.001785894	0.002436
51	S-10	Cal City Substation Demolition - Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	0.017248	3.587025	338.8586	0.007143577	0.009744
52	S-11	Cal City Substation Demolition - Civil Crew	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	0.012936	2.690269	254.144	0.005357683	0.007308
53	S-11	Cal City Substation Demolition - Civil Crew	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	0.099771	2.433971	1235.632	0.004461719	0.194674
64	L-01	Staging Areas	Worker Commute	Gasoline	12	2026	24	60	1440	100	1440	0	passenger	0.203362	0.375988	4.226036	0.01005	0.051744	0.256693	1016.576	0.02143073	0.029232
71	S-01	Cal City Substation Civil Crew (Site Grading)	Worker Commute	Gasoline	27	2026	54	60	3240	100	3240	0	passenger	0.457565	0.845973	9.508582	0.022612	0.116424	0.577558	2287.296	0.048219143	0.065773
72	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Worker Commute	Gasoline	20	2026	40	60	2400	100	2400	0	passenger	0.338937	0.626647	7.043394	0.01675	0.08624	0.427821	1694.293	0.035717884	0.04872
73	S-03	Cal City Substation Civil Crew (Foundation)	Worker Commute	Gasoline	22	2026	44	60	2640	100	2640	0	passenger	0.372831	0.689311	7.747733	0.018425	0.094864	0.470603	1863.722	0.039289672	0.053592
74	S-04	Cal City Substation Electrical Crew	Worker Commute	Gasoline	18	2026	36	60	2160	100	2160	0	passenger	0.305043	0.563982	6.339055	0.015075	0.077616	0.385039	1524.864	0.032146095	0.043848
75	S-05	Cal City Substation Maintenance Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.021391	84.71466	0.001785894	0.002436
76	S-06	Cal City Substation Test Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.021391	84.71466	0.001785894	0.002436
77	S-07	Cal City Substation Test Crew and Wireman (Cutover)	Worker Commute	Gasoline	2	2026	4	60	240	100	240	0	passenger	0.033894	0.062665	0.704339	0.001675	0.008624	0.042782	169.4293	0.003571788	0.004872
78	S-08	Cal City Substation Demolition - Test Crew	Worker Commute	Gasoline	4	2026	8	60	480	100	480	0	passenger	0.067787	0.125329	1.408679	0.00335	0.017248	0.085564	338.8586	0.007143577	0.009744
79	S-09	Cal City Substation Demolition - Maintenance Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.021391	84.71466	0.001785894	0.002436
80	S-10	Cal City Substation Demolition - Electrical Crew	Worker Commute	Gasoline	20	2026	40	60	2400	100	2400	0	passenger	0.338937	0.626647	7.043394	0.01675	0.08624	0.427821	1694.293	0.035717884	0.04872
81	S-11	Cal City Substation Demolition - Civil Crew	Worker Commute	Gasoline	14	2026	28	60	1680	100	1680	0	passenger	0.237256	0.438653	4.930376	0.011725	0.060368	0.299475	1186.005	0.025002519	0.034104

Table 19: Off-Road Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Hours Per Day	CalEEModType	HP	LF	Year	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Staging Areas	R/T Forklift	Diesel	4	4	Rough Terrain Forklifts	96	0.4	2026	0.155836	2.225248	4.361693	0.00662	0.044776	0.041194	716.3904	0.02906	0.005812
2	L-01	Staging Areas	Generator	Diesel	4	8	Generator Sets	45	0.74	2026	0.793719	7.946248	8.765565	0.01726	0.185908	0.171035	1335.109	0.054158	0.010832
30	S-01	Cal City Substation Civil Crew (Site Grading)	Grader	Diesel	2	5	Graders	148	0.41	2026	0.066888	0.347818	4.949725	0.006555	0.013378	0.013378	710.1049	0.028805	0.005761
31	S-01	Cal City Substation Civil Crew (Site Grading)	Compactor	Diesel	3	5	Rollers	75	0.38	2026	0.217321	2.341357	3.214703	0.004596	0.109073	0.100347	497.6378	0.020186	0.004037
32	S-01	Cal City Substation Civil Crew (Site Grading)	980 Loader/Scraper	Diesel	3	7.5	Scrapers	275	0.48	2026	0.327386	1.702408	17.02408	0.031863	0.065477	0.065477	3451.174	0.139995	0.027999
33	S-01	Cal City Substation Civil Crew (Site Grading)	Tractors/Backhoe	Diesel	2	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.127616	1.306807	2.413575	0.003392	0.044005	0.040484	367.2738	0.014898	0.00298
34	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Tractors/Backhoe	Diesel	2	5	Tractors/Loaders/Backhoes	85	0.37	2026	0.127616	1.306807	2.413575	0.003392	0.044005	0.040484	367.2738	0.014898	0.00298
35	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Grader	Diesel	2	5	Graders	148	0.41	2026	0.066888	0.347818	4.949725	0.006555	0.013378	0.013378	710.1049	0.028805	0.005761
36	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Compactor	Diesel	1	5	Rollers	75	0.38	2026	0.07244	0.780452	1.071568	0.001532	0.036358	0.033449	165.8793	0.006729	0.001346
37	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	980 Loader/Scraper	Diesel	1	7.5	Scrapers	275	0.48	2026	0.109129	0.567469	5.674692	0.010621	0.021826	0.021826	1150.391	0.046665	0.009333
38	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Excavator	Diesel	1	7.5	Excavators	172	0.38	2026	0.054035	0.280983	3.998608	0.005271	0.010807	0.010807	570.4887	0.023142	0.004628
39	S-03	Cal City Substation Civil Crew (Foundation)	Driller	Diesel	2	7.5	Bore/Drill Rigs	83	0.5	2026	0.175892	2.249683	4.463662	0.006658	0.054956	0.050559	720.6097	0.029231	0.005846
40	S-03	Cal City Substation Civil Crew (Foundation)	14-ton Crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.129466	0.673225	6.732248	0.012614	0.025893	0.025893	1366.033	0.055412	0.011082
41	S-03	Cal City Substation Civil Crew (Foundation)	Tractors/Backhoe	Diesel	2	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.191424	1.96021	3.620362	0.005089	0.066007	0.060727	550.9108	0.022347	0.004469
42	S-03	Cal City Substation Civil Crew (Foundation)	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.03836	0.199474	2.838669	0.003738	0.007672	0.007672	404.6776	0.016415	0.003283
43	S-03	Cal City Substation Civil Crew (Foundation)	Ditch Digger	Diesel	1	5	Trenchers	13	0.5	2026	0.060253	0.459921	0.274308	0.000806	0.017334	0.015947	60.85304	0.002468	0.000494
44	S-03	Cal City Substation Civil Crew (Foundation)	Generator	Diesel	2	7.5	Generator Sets	13.5	0.74	2026	0.17822	1.428485	0.944746	0.002621	0.057522	0.05292	187.7538	0.007616	0.001523
45	S-04	Cal City Substation Electrical Crew	Truck Crane	Diesel	2	7.5	Cranes	367	0.29	2026	0.175978	0.915087	9.15087	0.017146	0.035196	0.035196	1856.433	0.075305	0.015061
46	S-04	Cal City Substation Electrical Crew	Manlifts	Diesel	4	7.5	Aerial Lifts	60	0.31	2026	0.126349	1.910757	3.890006	0.006001	0.037583	0.034576	649.3755	0.026342	0.005268
47	S-04	Cal City Substation Electrical Crew	14-ton crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.129466	0.673225	6.732248	0.012614	0.025893	0.025893	1366.033	0.055412	0.011082
48	S-04	Cal City Substation Electrical Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.03836	0.199474	2.838669	0.003738	0.007672	0.007672	404.6776	0.016415	0.003283
49	S-04	Cal City Substation Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.087989	0.457544	4.575435	0.008573	0.017598	0.017598	928.2163	0.037653	0.007531
50	S-10	Cal City Substation Demolition - Electrical Crew	Truck Crane	Diesel	2	7.5	Cranes	367	0.29	2026	0.175978	0.915087	9.15087	0.017146	0.035196	0.035196	1856.433	0.075305	0.015061
51	S-10	Cal City Substation Demolition - Electrical Crew	Manlifts	Diesel	4	7.5	Aerial Lifts	60	0.31	2026	0.126349	1.910757	3.890006	0.006001	0.037583	0.034576	649.3755	0.026342	0.005268
52	S-10	Cal City Substation Demolition - Electrical Crew	14-ton crane	Diesel	2	7.5	Cranes	270	0.29	2026	0.129466	0.673225	6.732248	0.012614	0.025893	0.025893	1366.033	0.055412	0.011082
53	S-10	Cal City Substation Demolition - Electrical Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.03836	0.199474	2.838669	0.003738	0.007672	0.007672	404.6776	0.016415	0.003283
54	S-10	Cal City Substation Demolition - Electrical Crew	150 Ton Crane	Diesel	1	7.5	Cranes	367	0.29	2026	0.087989	0.457544	4.575435	0.008573	0.017598	0.017598	928.2163	0.037653	0.007531
55	S-11	Cal City Substation Demolition - Civil Crew	Tractors/Backhoe	Diesel	3	7.5	Tractors/Loaders/Backhoes	85	0.37	2026	0.287136	2.940315	5.430544	0.007633	0.099011	0.09109	826.3661	0.033521	0.006704
56	S-11	Cal City Substation Demolition - Civil Crew	Forklift	Diesel	2	5	Forklifts	174	0.2	2026	0.03836	0.199474	2.838669	0.003738	0.007672	0.007672	404.6776	0.016415	0.003283

Table 23: On-Road Controlled Daily Emissions (pounds/day)

Count	Activity Index	Activity Name	Equipment Name	Fuel Type	Quantity	Year	Trips/Day	Trip Length	VMT	Paved Percent	Paved VMT	Unpaved VMT	On Type	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
1	L-01	Staging Areas	1-Ton Truck, 4x4	Diesel	4	2026	8	0.75	6	95	5.7	0.3	passenger	0.002111	0.011838	0.014775	4.33E-05	0.001893	0.014256	4.571128	9.80433E-05	0.00072
2	L-01	Staging Areas	Water Truck	Diesel	4	2026	8	0.75	6	90	5.4	0.6	vendor	0.001968	0.130143	0.060483	0.0003	0.001026	0.024691	31.64378	9.13862E-05	0.004985
28	S-01	Cal City Substation Civil Crew (Site Grading)	Water Truck	diesel	6	2026	12	10	120	95	114	6	vendor	0.00617	0.370147	0.103661	0.002903	0.017331	0.259093	306.5957	0.000286604	0.048304
29	S-01	Cal City Substation Civil Crew (Site Grading)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	0.099771	0.717479	1235.632	0.004461719	0.194674
30	S-01	Cal City Substation Civil Crew (Site Grading)	Survey Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
31	S-01	Cal City Substation Civil Crew (Site Grading)	Soils Test Crew Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	0.002879	0.168718	56.59692	0.001335466	0.00168
32	S-01	Cal City Substation Civil Crew (Site Grading)	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	0.012936	0.759215	254.144	0.005357683	0.007308
33	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Water Truck	Diesel	2	2026	4	10	40	95	38	2	vendor	0.002057	0.123382	0.034554	0.000968	0.005777	0.086364	102.1986	9.55346E-05	0.016101
34	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	0.099771	0.717479	1235.632	0.004461719	0.194674
35	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Survey Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
36	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Soils Test Crew Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	0.002879	0.168718	56.59692	0.001335466	0.00168
37	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	0.017248	1.012287	338.8586	0.007143577	0.009744
38	S-03	Cal City Substation Civil Crew (Foundation)	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	0.012936	0.759215	254.144	0.005357683	0.007308
39	S-03	Cal City Substation Civil Crew (Foundation)	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	0.099771	0.717479	1235.632	0.004461719	0.194674
40	S-04	Cal City Substation Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
41	S-04	Cal City Substation Electrical Crew	5-Ton Truck	Gasoline	1	2026	2	40	80	95	76	4	passenger	0.01501	0.021426	0.241829	0.00056	0.002879	0.168718	56.59692	0.001335466	0.00168
42	S-04	Cal City Substation Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	0.017248	1.012287	338.8586	0.007143577	0.009744
43	S-05	Cal City Substation Maintenance Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
44	S-06	Cal City Substation Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
45	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
46	S-07	Cal City Substation Test Crew and Wireman (Cutover)	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
47	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
48	S-08	Cal City Substation Demolition - Test Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
49	S-09	Cal City Substation Demolition - Maintenance Crew	3/4 Crew Pick-up Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
50	S-10	Cal City Substation Demolition - Electrical Crew	Foreman Truck	Gasoline	1	2026	2	60	120	95	114	6	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.253072	84.71466	0.001785894	0.002436
51	S-10	Cal City Substation Demolition - Electrical Crew	3/4 Crew Pick-up Truck	Gasoline	4	2026	8	60	480	95	456	24	passenger	0.067787	0.125329	1.408679	0.00335	0.017248	1.012287	338.8586	0.007143577	0.009744
52	S-11	Cal City Substation Demolition - Civil Crew	3/4 Crew Pick-up Truck	Gasoline	3	2026	6	60	360	95	342	18	passenger	0.050841	0.093997	1.056509	0.002512	0.012936	0.759215	254.144	0.005357683	0.007308
53	S-11	Cal City Substation Demolition - Civil Crew	Dump Trucks	Diesel	4	2026	8	40	320	95	304	16	hhdt	0.09606	2.037317	1.31863	0.011701	0.099771	0.717479	1235.632	0.004461719	0.194674
64	L-01	Staging Areas	Worker Commute	Gasoline	12	2026	24	60	1440	100	1440	0	passenger	0.203362	0.375988	4.226036	0.01005	0.051744	0.256693	1016.576	0.02143073	0.029232
71	S-01	Cal City Substation Civil Crew (Site Grading)	Worker Commute	Gasoline	27	2026	54	60	3240	100	3240	0	passenger	0.457565	0.845973	9.508582	0.022612	0.116424	0.577558	2287.296	0.048219143	0.065773
72	S-02	Cal City Substation Civil Crew (Channel Install & Additions)	Worker Commute	Gasoline	20	2026	40	60	2400	100	2400	0	passenger	0.338937	0.626647	7.043394	0.01675	0.08624	0.427821	1694.293	0.035717884	0.04872
73	S-03	Cal City Substation Civil Crew (Foundation)	Worker Commute	Gasoline	22	2026	44	60	2640	100	2640	0	passenger	0.372831	0.689311	7.747733	0.018425	0.094864	0.470603	1863.722	0.039289672	0.053592
74	S-04	Cal City Substation Electrical Crew	Worker Commute	Gasoline	18	2026	36	60	2160	100	2160	0	passenger	0.305043	0.563982	6.339055	0.015075	0.077616	0.385039	1524.864	0.032146095	0.043848
75	S-05	Cal City Substation Maintenance Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.021391	84.71466	0.001785894	0.002436
76	S-06	Cal City Substation Test Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.021391	84.71466	0.001785894	0.002436
77	S-07	Cal City Substation Test Crew and Wireman (Cutover)	Worker Commute	Gasoline	2	2026	4	60	240	100	240	0	passenger	0.033894	0.062665	0.704339	0.001675	0.008624	0.042782	169.4293	0.003571788	0.004872
78	S-08	Cal City Substation Demolition - Test Crew	Worker Commute	Gasoline	4	2026	8	60	480	100	480	0	passenger	0.067787	0.125329	1.408679	0.00335	0.017248	0.085564	338.8586	0.007143577	0.009744
79	S-09	Cal City Substation Demolition - Maintenance Crew	Worker Commute	Gasoline	1	2026	2	60	120	100	120	0	passenger	0.016947	0.031332	0.35217	0.000837	0.004312	0.021391	84.71466	0.001785894	0.002436
80	S-10	Cal City Substation Demolition - Electrical Crew	Worker Commute	Gasoline	20	2026	40	60	2400	100	2400	0	passenger	0.338937	0.626647	7.043394	0.01675	0.08624	0.427821	1694.293	0.035717884	0.04872
81	S-11	Cal City Substation Demolition - Civil Crew	Worker Commute	Gasoline	14	2026	28	60	1680	100	1680	0	passenger	0.237256	0.438653	4.930376	0.011725	0.060368	0.299475	1186.005	0.025002519	0.034104

Attachment B

Model Outputs

Cal City Substation 115 kilovolt (kV) Upgrade Project

Construction Modeling Assumptions - Unmitigated

AERMOD Sources

PolyArea		
Offroad Construction Exhaust		
Release Height	5	m
Emissions rate	1	g/s
SCAQMD LST Guidance, 2008		
Line Volume		
Onroad Hauling Exhaust		
Vehicle Height	14	ft
Vehicle Width	8.5	ft
Plume Height	7.25	m
Plume Width	8.59	m
Release Height	3.63	m
Emissions rate	1	g/s
EPA Haul Road Guidance & Caltrans Heigh & Low Clearance Guidance[1]		

[1] USEPA Haul Road Workgroup Final Report Dec 6, 2011, Page 4.

https://www.epa.gov/sites/default/files/2020-10/documents/haul_road_workgroup-final_report_package-20120302.pdf

https://schneiderjobs.com/blog/semi-truck-trailer-dimensions

Meteorology: Edwards Air Force Base

Cal City Substation 115 kilovolt (kV) Upgrade Project

Health Risk Assessment Risk Factors

Residential Risk	Abbreviation	UOM	3rd Trimester	0<2	2<16	16<30
Daily Breathing Rate (95th %'ile)	DBR	L/kg-day	361	1090	745	261
Fraction Of Time At Home [a]	FAH	unitless	1	1	1	0.73
Exposure Frequency	EF	days/year	0.96	0.96	0.96	0.96
Age Sensitivity Factor	ASF	unitless	10	10	3	1
Inhalation Absorption Factor	A	unitless	1	1	1	1
Conversion Factor	CF_1	m^3/L	0.001	0.001	0.001	0.001
Conversion Factor	CF_2	$\mu g/m^3$	0.001	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CPF	$mg/kg\text{-}day^{-1}$	1.1	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT	years	70.00	70.00	70.00	70.00

[a] assume school or daycare will have cancer risk of >1 per million

Cal City Substation 115 kilovolt (kV) Upgrade Project

Health Risk Assessment Exposure Duration Assumptions for Offroad Equipment
Residential Receptors

	Start Date	*3/2/2026*	*6/1/2026*	*6/1/2028*	
OFFROAD	*End Date*	*5/31/2026*	*5/31/2028*	*5/29/2042*	

	3/2/2026	*3/24/2028*	*Days*	*90*	*730*	*5110*
Phase	Start Date	End Date	Duration (days)	3rd Tri	0<2	02<16
Cal City Substation Civil Crew (Site Grading)	3/2/2026	6/26/2026	117	91	26	0
Cal City Substation Civil Crew (Channel Install & Additions)	6/29/2026	10/30/2026	124	0	124	0
Cal City Substation Civil Crew (Foundation)	7/6/2026	12/31/2026	179	0	179	0
Cal City Substation Electrical Crew	1/4/2027	10/1/2027	271	0	271	0
Cal City Substation Maintenance Crew	7/19/2027	9/10/2027	54	0	54	0
Cal City Substation Test Crew	7/19/2027	9/10/2027	54	0	54	0
Cal City Substation Test Crew and Wireman (Cutover)	9/13/2027	10/8/2027	26	0	26	0
Cal City Substation Demolition - Test Crew	10/18/2027	10/29/2027	12	0	12	0
Cal City Substation Demolition - Maintenance Crew	10/18/2027	10/29/2027	12	0	12	0
Cal City Substation Demolition - Electrical Crew	11/1/2027	12/31/2027	61	0	61	0
Cal City Substation Demolition - Civil Crew	1/3/2028	3/24/2028	82	0	82	0
Staging Areas	3/2/2026	2/26/2028	727	91	636	0

Intake Factor for Inhalation, IF (m^3/kg-day)

Phase	Year	Year	Equation	3rd Trimester	0<2	2<16
Cal City Substation Civil Crew (Site Grading)		2026		0.012329142	0.010636142	0
Cal City Substation Civil Crew (Channel Install & Additions)		2026	$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0	0.050726215	0
Cal City Substation Civil Crew (Foundation)		2026		0	0.073225746	0
Cal City Substation Electrical Crew		2027		0	0.110861325	0
Cal City Substation Maintenance Crew		2027		0	0.022090448	0
Cal City Substation Test Crew		2027		0	0.022090448	0
Cal City Substation Test Crew and Wireman (Cutover)		2027		0	0.010636142	0
Cal City Substation Demolition - Test Crew		2027		0	0.004908989	0
Cal City Substation Demolition - Maintenance Crew		2027		0	0.004908989	0
Cal City Substation Demolition - Electrical Crew		2027		0	0.024954025	0
Cal City Substation Demolition - Civil Crew		2028		0	0.033544755	0
Staging Areas		2026		0.012329142	0.260176393	0

Risk Calculation Part 1, R1

Equation	3rd Trimester	0<2	2<16
	1.35621E-05	1.16998E-05	0
$IF \cdot CPF \cdot CF_2$	0	5.57988E-05	0
	0	8.05483E-05	0
	0	0.000121947	0
	0	2.42995E-05	0
	0	2.42995E-05	0
	0	1.16998E-05	0
	0	5.39989E-06	0
	0	5.39989E-06	0
	0	2.74494E-05	0
	0	3.68992E-05	0
	1.35621E-05	0.000286194	0

Cal City Substation 115 kilovolt (kV) Upgrade Project

Offroad DPM Emissions, Ground Level Concentrations and Health Risk Calculations
Residential Receptors

	Phase	Year	Emissions (lbs/day)	Work Hours Per Day	Emissions (g/s)
S-01	Cal City Substation Civil Crew (Site Grading)	2026	1.098276619	9	0.015375534
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	2026	0.573227654	9	0.00802501
S-03	Cal City Substation Civil Crew (Foundation)	2026	0.52148194	9	0.007300586
S-04	Cal City Substation Electrical Crew	2027	0.760605683	9	0.010648245
S-05	Cal City Substation Maintenance Crew	2027	0	9	0
S-06	Cal City Substation Test Crew	2027	0	9	0
S-07	Cal City Substation Test Crew and Wireman (Cutover)	2027	0	9	0
S-08	Cal City Substation Demolition - Test Crew	2027	0	9	0
S-09	Cal City Substation Demolition - Maintenance Crew	2027	0	9	0
S-10	Cal City Substation Demolition - Electrical Crew	2027	0.760605683	9	0.010648245
S-11	Cal City Substation Demolition - Civil Crew	2028	0.154247945	9	0.002159424
L-01	Staging Areas	2026	0.230683708	9	0.003229501

AERMOD Column Identifier:			*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*6*				
			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4119713888860	411971	3888860	0.006087635	0.003177342	0.002890521	0.00421596	0	0	0	0	0	0.00421596	0.000854981	0.001381903	1.01302E-07	1.53823E-06	1.63954E-06	1.639536617
4119913888860	411991	3888860	0.005708321	0.002979365	0.002710416	0.003953267	0	0	0	0	0	0.003953267	0.000801708	0.001293318	9.49566E-08	1.44168E-06	1.53664E-06	1.536635286
4120113888860	412011	3888860	0.005351608	0.002793185	0.002541042	0.003706228	0	0	0	0	0	0.003706228	0.000751609	0.001214486	8.90497E-08	1.35216E-06	1.44121E-06	1.441206779
4120313888860	412031	3888860	0.005021957	0.002621129	0.002384517	0.00347793	0	0	0	0	0	0.00347793	0.000705311	0.001145149	8.36386E-08	1.27043E-06	1.35407E-06	1.354071129
4120513888860	412051	3888860	0.004722595	0.002464882	0.002242375	0.003270608	0	0	0	0	0	0.003270608	0.000663267	0.001084918	7.87618E-08	1.197E-06	1.27576E-06	1.275762064
4120713888860	412071	3888860	0.004454138	0.002324765	0.002114907	0.00308469	0	0	0	0	0	0.00308469	0.000625563	0.001032439	7.44093E-08	1.13159E-06	1.206E-06	1.205996789
4120913888860	412091	3888860	0.004211512	0.002198131	0.001999704	0.002916661	0	0	0	0	0	0.002916661	0.000591488	0.000985902	7.04876E-08	1.07272E-06	1.14321E-06	1.14321192
4121113888860	412111	3888860	0.003995486	0.002085379	0.00189713	0.002767053	0	0	0	0	0	0.002767053	0.000561148	0.000945049	6.70038E-08	1.02048E-06	1.08748E-06	1.087484752
4121313888860	412131	3888860	0.00380483	0.001985869	0.001806603	0.002635015	0	0	0	0	0	0.002635015	0.000534371	0.00090904	6.39298E-08	9.74386E-07	1.03832E-06	1.038316009
4121513888860	412151	3888860	0.00363739	0.001898477	0.0017271	0.002519055	0	0	0	0	0	0.002519055	0.000510855	0.000877003	6.12245E-08	9.33787E-07	9.95011E-07	0.995011048
4121713888860	412171	3888860	0.003490707	0.001821918	0.001657452	0.002417471	0	0	0	0	0	0.002417471	0.000490254	0.00084839	5.88471E-08	8.98063E-07	9.5691E-07	0.95691014
4121913888860	412191	3888860	0.003362322	0.001754909	0.001596492	0.002328558	0	0	0	0	0	0.002328558	0.000472223	0.000822715	5.67577E-08	8.66615E-07	9.23373E-07	0.923372916
4122113888860	412211	3888860	0.003249619	0.001696086	0.001542979	0.002250507	0	0	0	0	0	0.002250507	0.000456394	0.000799398	5.4913E-08	8.38786E-07	8.93699E-07	0.893699019
4119713888880	411971	3888880	0.006430356	0.00335622	0.003053251	0.004453309	0	0	0	0	0	0.004453309	0.000903114	0.001476399	1.07232E-07	1.62961E-06	1.73684E-06	1.736844008
4119913888880	411991	3888880	0.006014448	0.003139143	0.00285577	0.004165274	0	0	0	0	0	0.004165274	0.000844702	0.001382646	1.0032E-07	1.52471E-06	1.62503E-06	1.625028282
4120113888880	412011	3888880	0.005630059	0.002938518	0.002673256	0.003899068	0	0	0	0	0	0.003899068	0.000790716	0.00130052	9.39929E-08	1.42905E-06	1.52304E-06	1.523041809
4120313888880	412031	3888880	0.005278267	0.002754906	0.002506218	0.003655436	0	0	0	0	0	0.003655436	0.000741309	0.001228567	8.8246E-08	1.34242E-06	1.43067E-06	1.430665595
4120513888880	412051	3888880	0.004963376	0.002590554	0.002356702	0.00343736	0	0	0	0	0	0.00343736	0.000697084	0.001166334	8.31315E-08	1.2655E-06	1.34863E-06	1.348630638
4120713888880	412071	3888880	0.00468431	0.0024449	0.002224197	0.003244094	0	0	0	0	0	0.003244094	0.00065789	0.00111182	7.86074E-08	1.19751E-06	1.27612E-06	1.276120108
4120913888880	412091	3888880	0.004435073	0.002314814	0.002105854	0.003071486	0	0	0	0	0	0.003071486	0.000622886	0.00106383	7.45764E-08	1.13699E-06	1.21157E-06	1.211568871
4121113888880	412111	3888880	0.004216125	0.002200538	0.002001894	0.002919855	0	0	0	0	0	0.002919855	0.000592136	0.001021523	7.10333E-08	1.08378E-06	1.15482E-06	1.154818074
4121313888880	412131	3888880	0.004024392	0.002100466	0.001910855	0.002787072	0	0	0	0	0	0.002787072	0.000565208	0.000983867	6.79223E-08	1.03702E-06	1.10494E-06	1.104938986
4121513888880	412151	3888880	0.003857106	0.002013154	0.001831425	0.002671219	0	0	0	0	0	0.002671219	0.000541713	0.000950055	6.5195E-08	9.95938E-07	1.06113E-06	1.061132538
4121713888880	412171	3888880	0.003710424	0.001936595	0.001761777	0.002569634	0	0	0	0	0	0.002569634	0.000521112	0.000919439	6.27905E-08	9.59641E-07	1.02243E-06	1.022431431
4121913888880	412191	3888880	0.003582653	0.001869908	0.00170111	0.002481148	0	0	0	0	0	0.002481148	0.000503167	0.00089173	6.06818E-08	9.27726E-07	9.88408E-07	0.988408118
4122113888880	412211	3888880	0.003470258	0.001811245	0.001647742	0.002403309	0	0	0	0	0	0.002403309	0.000487382	0.000866281	5.88124E-08	8.99345E-07	9.58157E-07	0.958157194
4118513888900	411851	3888900	0.010163535	0.005304692	0.004825833	0.007038703	0	0	0	0	0	0.007038703	0.001427422	0.002542198	1.72316E-07	2.63541E-06	2.80773E-06	2.807728255
4118713888900	411871	3888900	0.009562044	0.004990754	0.004540235	0.006622143	0	0	0	0	0	0.006622143	0.001342946	0.002339999	1.61416E-07	2.46464E-06	2.62605E-06	2.62605141
4118913888900	411891	3888900	0.00897516	0.004684439	0.004261571	0.0062157	0	0	0	0	0	0.0062157	0.00126052	0.00215595	1.50961E-07	2.30179E-06	2.45276E-06	2.452755083
4119113888900	411911	3888900	0.008395964	0.004382137	0.003986558	0.005814581	0	0	0	0	0	0.005814581	0.001179175	0.001987725	1.40824E-07	2.14493E-06	2.28575E-06	2.285749637
4119313888900	411931	3888900	0.007837832	0.004090829	0.003721547	0.005428049	0	0	0	0	0	0.005428049	0.001100788	0.00183765	1.31219E-07	1.99721E-06	2.12842E-06	2.128424502
4119513888900	411951	3888900	0.007308914	0.003814769	0.003470407	0.00506175	0	0	0	0	0	0.00506175	0.001026504	0.001705951	1.2226E-07	1.86023E-06	1.98249E-06	1.982487661
4119713888900	411971	3888900	0.006815667	0.003557327	0.003236204	0.004720154	0	0	0	0	0	0.004720154	0.000957229	0.00159153	1.14019E-07	1.73489E-06	1.84891E-06	1.848909764
4119913888900	411991	3888900	0.006360858	0.003319947	0.003020253	0.004405179	0	0	0	0	0	0.004405179	0.000893354	0.001492255	1.06504E-07	1.6211E-06	1.72761E-06	1.727608944
4120113888900	412011	3888900	0.005946488	0.003103673	0.002823502	0.004118209	0	0	0	0	0	0.004118209	0.000835157	0.001405931	9.97139E-08	1.51862E-06	1.61833E-06	1.618329236
4120313888900	412031	3888900	0.005575322	0.002909949	0.002647266	0.00386116	0	0	0	0	0	0.00386116	0.000783029	0.001331103	9.36653E-08	1.42753E-06	1.52119E-06	1.521192067
4120513888900	412051	3888900	0.005245825	0.002737973	0.002490814	0.003632968	0	0	0	0	0	0.003632968	0.000736752	0.001265803	8.83111E-08	1.34699E-06	1.4353E-06	1.435297442

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4120713888900	412071	3888900	0.004957226	0.002587344	0.002353782	0.003433101	0	0	0	0	0	0.003433101	0.00069622	0.001208544	8.36205E-08	1.27642E-06	1.36005E-06	1.360045317
4120913888900	412091	3888900	0.004703376	0.002454851	0.002233249	0.003257298	0	0	0	0	0	0.003257298	0.000660568	0.001157937	7.94915E-08	1.21429E-06	1.29378E-06	1.293781525
4121113888900	412111	3888900	0.004481968	0.00233929	0.002128121	0.003103963	0	0	0	0	0	0.003103963	0.000629472	0.001112821	7.58769E-08	1.15982E-06	1.23569E-06	1.235693354
4121313888900	412131	3888900	0.004289313	0.002238737	0.002036645	0.002970541	0	0	0	0	0	0.002970541	0.000602414	0.001072194	7.27131E-08	1.11202E-06	1.18474E-06	1.184737964
4121513888900	412151	3888900	0.004121566	0.002151184	0.001956995	0.002854369	0	0	0	0	0	0.002854369	0.000578855	0.001035346	6.99383E-08	1.06999E-06	1.13993E-06	1.139928695
4121713888900	412171	3888900	0.003974268	0.002074305	0.001887056	0.002752358	0	0	0	0	0	0.002752358	0.000558168	0.001001662	6.74838E-08	1.0327E-06	1.10018E-06	1.100184139
4118513888920	411851	3888920	0.011138344	0.005813478	0.005288691	0.007713801	0	0	0	0	0	0.007713801	0.00156433	0.002823617	1.89353E-07	2.89894E-06	3.08829E-06	3.0882921
4118713888920	411871	3888920	0.010419999	0.005438549	0.004947607	0.007216316	0	0	0	0	0	0.007216316	0.001463441	0.002581792	1.76331E-07	2.69489E-06	2.87122E-06	2.87121706
4118913888920	411891	3888920	0.009721335	0.005073893	0.004615869	0.006732459	0	0	0	0	0	0.006732459	0.001365317	0.00236393	1.63901E-07	2.50139E-06	2.66529E-06	2.665286318
4119113888920	411911	3888920	0.009047579	0.004722237	0.004295957	0.006265853	0	0	0	0	0	0.006265853	0.001270691	0.002171549	1.52154E-07	2.31985E-06	2.47201E-06	2.472007078
4119313888920	411931	3888920	0.008405343	0.004387032	0.003991011	0.005821076	0	0	0	0	0	0.005821076	0.001180492	0.002003388	1.41164E-07	2.15117E-06	2.29233E-06	2.292332535
4119513888920	411951	3888920	0.007805543	0.004073977	0.003706216	0.005405688	0	0	0	0	0	0.005405688	0.001096253	0.001858545	1.31065E-07	1.99712E-06	2.12819E-06	2.128188901
4119713888920	411971	3888920	0.007258174	0.003788286	0.003446315	0.00502661	0	0	0	0	0	0.00502661	0.001019378	0.001734855	1.21964E-07	1.85898E-06	1.98094E-06	1.980939159
4119913888920	411991	3888920	0.006762775	0.00352972	0.00321109	0.004683524	0	0	0	0	0	0.004683524	0.000949801	0.00162854	1.13803E-07	1.73555E-06	1.84936E-06	1.849357835
4120113888920	412011	3888920	0.006319037	0.003298119	0.003000395	0.004376216	0	0	0	0	0	0.004376216	0.00088748	0.001536887	1.06542E-07	1.62603E-06	1.73257E-06	1.73256986
4120313888920	412031	3888920	0.00592773	0.003093882	0.002814595	0.004105218	0	0	0	0	0	0.004105218	0.000832523	0.00145728	1.00156E-07	1.52979E-06	1.62995E-06	1.62994584
4120513888920	412051	3888920	0.00558547	0.002915245	0.002652084	0.003868188	0	0	0	0	0	0.003868188	0.000784454	0.00138749	9.45677E-08	1.44557E-06	1.54014E-06	1.54013697
4120713888920	412071	3888920	0.005287492	0.002759721	0.002510599	0.003661825	0	0	0	0	0	0.003661825	0.000742604	0.00132571	8.96886E-08	1.37195E-06	1.46164E-06	1.461641762
4120913888920	412091	3888920	0.00502903	0.00262482	0.002387876	0.003482828	0	0	0	0	0	0.003482828	0.000706304	0.001270421	8.54335E-08	1.30761E-06	1.39305E-06	1.393045857
4121113888920	412111	3888920	0.004804701	0.002507735	0.00228136	0.00332747	0	0	0	0	0	0.00332747	0.000674798	0.001220396	8.17127E-08	1.25119E-06	1.3329E-06	1.332898229
4121313888920	412131	3888920	0.00460897	0.002405577	0.002188424	0.003191918	0	0	0	0	0	0.003191918	0.000647309	0.001174989	7.84424E-08	1.20145E-06	1.27989E-06	1.279891157
4121513888920	412151	3888920	0.004437687	0.002316178	0.002107095	0.003073296	0	0	0	0	0	0.003073296	0.000623253	0.001133426	7.55557E-08	1.1574E-06	1.23296E-06	1.232956725
4121713888920	412171	3888920	0.004287468	0.002237774	0.002035768	0.002969263	0	0	0	0	0	0.002969263	0.000602155	0.001095188	7.29999E-08	1.11826E-06	1.19126E-06	1.191259199
4118513888940	411851	3888940	0.01225799	0.006397859	0.005820319	0.008489207	0	0	0	0	0	0.008489207	0.001721579	0.003165169	2.0917E-07	3.20686E-06	3.41603E-06	3.416033774
4118713888940	411871	3888940	0.011408646	0.005954558	0.005417035	0.007900998	0	0	0	0	0	0.007900998	0.001602292	0.002873997	1.93702E-07	2.9641E-06	3.1578E-06	3.157799505
4118913888940	411891	3888940	0.010578521	0.005521287	0.005022876	0.007326099	0	0	0	0	0	0.007326099	0.001485705	0.002616445	1.78951E-07	2.73456E-06	2.91351E-06	2.913511199
4119113888940	411911	3888940	0.00978745	0.005108401	0.004647261	0.006778247	0	0	0	0	0	0.006778247	0.001374603	0.002394739	1.65216E-07	2.52261E-06	2.68783E-06	2.687829041
4119313888940	411931	3888940	0.009049732	0.004723361	0.004296979	0.006267344	0	0	0	0	0	0.006267344	0.001270994	0.002206847	1.52662E-07	2.33036E-06	2.48302E-06	2.483021265
4119513888940	411951	3888940	0.008375053	0.004371223	0.003976629	0.005800099	0	0	0	0	0	0.005800099	0.001176238	0.002048311	1.41362E-07	2.15834E-06	2.2997E-06	2.299701635
4120513888940	412051	3888940	0.005997227	0.003130155	0.002847594	0.004153348	0	0	0	0	0	0.004153348	0.000842283	0.001535402	1.02158E-07	1.56519E-06	1.66735E-06	1.667351523
4120713888940	412071	3888940	0.005691254	0.002970458	0.002702312	0.003941448	0	0	0	0	0	0.003941448	0.000799311	0.001465806	9.70644E-08	1.48784E-06	1.5849E-06	1.584904336
4121713888940	412171	3888940	0.004658633	0.002431498	0.002212005	0.003226312	0	0	0	0	0	0.003226312	0.000654284	0.001200664	7.94641E-08	1.21812E-06	1.29758E-06	1.297583282
4121913888940	412191	3888940	0.004517178	0.002357668	0.002144839	0.003128348	0	0	0	0	0	0.003128348	0.000634417	0.001159262	7.69842E-08	1.17972E-06	1.2567E-06	1.25670106
4122113888940	412211	3888940	0.004389407	0.00229098	0.002084171	0.003039861	0	0	0	0	0	0.003039861	0.000616472	0.001120701	7.47284E-08	1.1447E-06	1.21943E-06	1.219425057
4122313888940	412231	3888940	0.004272707	0.00223007	0.00202876	0.002959041	0	0	0	0	0	0.002959041	0.000600082	0.001084628	7.26565E-08	1.11247E-06	1.18512E-06	1.185122679
4118513888960	411851	3888960	0.013578903	0.007087288	0.006447513	0.009403997	0	0	0	0	0	0.009403997	0.001907095	0.003596953	2.3294E-07	3.57839E-06	3.81133E-06	3.811333335
4118713888960	411871	3888960	0.012534135	0.006541988	0.005951438	0.008680449	0	0	0	0	0	0.008680449	0.001760362	0.003234862	2.1386E-07	3.27865E-06	3.49251E-06	3.492506196
4118913888960	411891	3888960	0.011534572	0.006020282	0.005476827	0.007988207	0	0	0	0	0	0.007988207	0.001619978	0.002924991	1.96101E-07	3.00233E-06	3.19843E-06	3.198431179
4119113888960	411911	3888960	0.010616499	0.005541109	0.005040909	0.0073524	0	0	0	0	0	0.0073524	0.001491039	0.002672606	1.80228E-07	2.75776E-06	2.93799E-06	2.937989828
4119313888960	411931	3888960	0.009769153	0.005098851	0.004638573	0.006765575	0	0	0	0	0	0.006765575	0.001372033	0.002461299	1.6587E-07	2.53823E-06	2.7041E-06	2.704098062
4119513888960	411951	3888960	0.009023747	0.004709798	0.004284641	0.006249348	0	0	0	0	0	0.006249348	0.001267344	0.002288779	1.53421E-07	2.34893E-06	2.50235E-06	2.502350891
4120513888960	412051	3888960	0.006502928	0.003394098	0.00308771	0.004503569	0	0	0	0	0	0.004503569	0.000913307	0.00171254	1.11419E-07	1.71082E-06	1.82224E-06	1.822235938
4120713888960	412071	3888960	0.00618527	0.003228301	0.00293688	0.004283576	0	0	0	0	0	0.004283576	0.000868693	0.001631415	1.0601E-07	1.62797E-06	1.73398E-06	1.733980761
4121713888960	412171	3888960	0.005096682	0.00266013	0.002419998	0.00352968	0	0	0	0	0	0.00352968	0.000715806	0.001318476	8.70027E-08	1.33406E-06	1.42107E-06	1.421067508
4121913888960	412191	3888960	0.004939544	0.002578115	0.002345386	0.003420855	0	0	0	0	0	0.003420855	0.000693736	0.001269097	8.42019E-08	1.29044E-06	1.37464E-06	1.374637531
4122113888960	412211	3888960	0.004796398	0.002503402	0.002277418	0.00332172	0	0	0	0	0	0.00332172	0.000673632	0.001223399	8.16408E-08	1.25049E-06	1.33213E-06	1.332127364
4122313888960	412231	3888960	0.004662016	0.002433263	0.002213611	0.003228654	0	0	0	0	0	0.003228654	0.000654759	0.001180221	7.92327E-08	1.2129E-06	1.29214E-06	1.292136291
4118513888980	411851	3888980	0.015177036	0.007921407	0.007206336	0.010510776	0	0	0	0	0	0.010510776	0.002131545	0.004161987	2.62277E-07	4.0401E-06	4.30237E-06	4.30237342
4118713888980	411871	3888980	0.013917933	0.007264239	0.006608491	0.009638791	0	0	0	0	0	0.009638791	0.00195471	0.003709663	2.39066E-07	3.67429E-06	3.91336E-06	3.913357859
4118913888980	411891	3888980	0.012731557	0.006645029	0.006045177	0.008817173	0	0	0	0	0	0.008817173	0.001788089	0.003342888	2.18003E-07	3.34662E-06	3.56462E-06	3.564624421
4119113888980	411911	3888980	0.011648504	0.006079748	0.005530924	0.00806711	0	0	0	0	0	0.00806711	0.001635979	0.003048746	1.99325E-07	3.05913E-06	3.25846E-06	3.2584594
4119313888980	411931	3888980	0.010684151	0.005576419	0.005073031	0.007399252	0	0	0	0	0	0.007399252	0.00150054	0.002808891	1.82993E-07	2.80947E-06	2.99246E-06	2.992458947
4119513888980	411951	3888980	0.009842648	0.00513721	0.00467347	0.006816474	0	0	0	0	0	0.006816474	0.001382355	0.002607951	1.68856E-07	2.59399E-06	2.76285E-06	2.762850665
4120513888980	412051	3888980	0.007133786	0.003723364	0.003387253	0.004940466	0	0	0	0	0	0.004940466	0.001001908	0.001920907	1.228E-07	1.88887E-06	2.01167E-06	2.011672747
4120713888980	412071	3888980	0.006796908	0.003547536	0.003227297	0.004707163	0	0	0	0	0	0.004707163	0.000954595	0.001822278	1.16894E-07	1.79741E-06	1.9143E-06	1.91430224
4121713888980	412171	3888980	0.005597771	0.002921665	0.002657924	0.003876706	0	0	0	0	0	0.003876706	0.000786181	0.001445686	9.55238E-08	1.46453E-06	1.56006E-06	1.560057253
4121913888980	412191	3888980	0.005419107	0.002828415	0.002573092	0.003752974	0	0	0	0	0	0.003752974	0.000761089	0.0013872	9.23075E-08	1.41426E-06	1.50656E-06	1.506564696
4122113888980	412211	3888980	0.005253974	0.002742226	0.002494683	0.003638612	0	0	0	0	0	0.003638612	0.000737897	0.001333138	8.93348E-08	1.36779E-06	1.45712E-06	1.45712176
4122313888980	412231	3888980	0.005099296	0.002661495	0.002421239	0.00353149	0	0	0	0	0	0.00353149	0.000716173	0.001282661	8.65525E-08	1.32431E-06	1.41086E-06	1.410857802
4119113889000	411911	3889000	0.012882391	0.006723755	0.006116796	0.008921632	0	0	0	0	0	0.008921632	0.001809273	0.003552548	2.22892E-07	3.43494E-06	3.65783E-06	3.657830495
4119313889000	411931	3889000	0.01177935	0.006148041	0.005593052	0.008157727	0	0	0	0	0	0.008157727	0.001654356	0.003263184	2.04008E-07	3.14507E-06	3.34908E-06	3.349075037
4119513889000	411951	3889000	0.010842058	0.005658836	0.005148008	0.00750861	0	0	0	0	0	0.00750861	0.001522718	0.003016547	1.87951E-07	2.89854E-06	3.08649E-06	3.086488404
4119713889000	411971	3889000	0.010052063	0.005246511	0.004772904	0.006961503	0	0	0	0	0	0.006961503	0.001411766	0.002801818	1.74325E-07	2.68879E-06	2.86311E-06	2.863113893
4119913889000	411991	3889000	0.009384764	0.004898225	0.004456059	0.006499369	0	0	0	0	0	0.006499369	0.001318047	0.002612375	1.62706E-07	2.50931E-06	2.67202E-06	2.672015383

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4120113889000	412011	3889000	0.008817869	0.004602343	0.004186886	0.006106768	0	0	0	0	0	0.006106768	0.001238429	0.002444118	1.52736E-07	2.35474E-06	2.50748E-06	2.507476052
4120313889000	412031	3889000	0.008332002	0.004348753	0.003956188	0.005770284	0	0	0	0	0	0.005770284	0.001170192	0.002294011	1.44111E-07	2.22058E-06	2.36469E-06	2.364686542
4120513889000	412051	3889000	0.007909943	0.004128467	0.003755787	0.00547799	0	0	0	0	0	0.00547799	0.001110915	0.002159567	1.36563E-07	2.10287E-06	2.23944E-06	2.23943533
4120713889000	412071	3889000	0.007540008	0.003935385	0.003580134	0.005221793	0	0	0	0	0	0.005221793	0.00105896	0.002038784	1.29908E-07	1.99886E-06	2.12877E-06	2.128770211
4120913889000	412091	3889000	0.00721051	0.003763409	0.003423683	0.004993601	0	0	0	0	0	0.004993601	0.001012683	0.001929788	1.23961E-07	1.90582E-06	2.02978E-06	2.0297777
4121113889000	412111	3889000	0.006914531	0.003608927	0.003283147	0.004788622	0	0	0	0	0	0.004788622	0.000971114	0.001831062	1.18608E-07	1.822E-06	1.94061E-06	1.940610175
4121313889000	412131	3889000	0.006646382	0.003468971	0.003155824	0.004602917	0	0	0	0	0	0.004602917	0.000933454	0.001741347	1.13755E-07	1.74599E-06	1.85975E-06	1.859745033
4119113889020	411911	3889020	0.014437011	0.007535164	0.006854958	0.009998276	0	0	0	0	0	0.009998276	0.002027612	0.004238494	2.53278E-07	3.92308E-06	4.17636E-06	4.17635671
4119313889020	411931	3889020	0.013172066	0.006874946	0.006254339	0.009122245	0	0	0	0	0	0.009122245	0.001849957	0.00385583	2.30933E-07	3.57611E-06	3.80705E-06	3.807046253
4119513889020	411951	3889020	0.012123455	0.00632764	0.005756439	0.008396035	0	0	0	0	0	0.008396035	0.001702684	0.003529909	2.12292E-07	3.286E-06	3.49829E-06	3.498287728
4119713889020	411971	3889020	0.011250586	0.00587206	0.005341985	0.007791534	0	0	0	0	0	0.007791534	0.001580093	0.00324497	1.9659E-07	3.0406E-06	3.23719E-06	3.237186859
4119913889020	411991	3889020	0.01051625	0.005488786	0.004993309	0.007282974	0	0	0	0	0	0.007282974	0.001476959	0.002998495	1.83288E-07	2.83221E-06	3.0155E-06	3.015499273
4120113889020	412011	3889020	0.009887698	0.005160724	0.004694861	0.006847673	0	0	0	0	0	0.006847673	0.001388682	0.002782602	1.71835E-07	2.65244E-06	2.82427E-06	2.82427109
4120313889020	412031	3889020	0.009342328	0.004876076	0.004435909	0.00646998	0	0	0	0	0	0.00646998	0.001312087	0.00259274	1.61864E-07	2.49572E-06	2.65759E-06	2.657588065
4120513889020	412051	3889020	0.008862611	0.004625696	0.004208131	0.006137755	0	0	0	0	0	0.006137755	0.001244713	0.002425517	1.5309E-07	2.35782E-06	2.51091E-06	2.510905722
4120713889020	412071	3889020	0.00843348	0.004401718	0.004004372	0.005840562	0	0	0	0	0	0.005840562	0.001184444	0.002275538	1.45236E-07	2.23434E-06	2.37957E-06	2.379574546
4120913889020	412091	3889020	0.008048631	0.004200852	0.003821638	0.005574037	0	0	0	0	0	0.005574037	0.001130393	0.002142418	1.38212E-07	2.124E-06	2.26221E-06	2.262209525
4121113889020	412111	3889020	0.007698991	0.004018363	0.003655623	0.005331896	0	0	0	0	0	0.005331896	0.001081288	0.002022733	1.31847E-07	2.02411E-06	2.15596E-06	2.155958611
4121313889020	412131	3889020	0.007379949	0.003851844	0.003504135	0.005110945	0	0	0	0	0	0.005110945	0.00103648	0.001914932	1.26058E-07	1.93337E-06	2.05943E-06	2.059428711
411251.663888860.76	411251.66	3888860.8	0.004477202	0.002336803	0.002125858	0.003100662	0	0	0	0	0	0.003100662	0.000628803	0.001077232	7.53295E-08	1.14874E-06	1.22407E-06	1.224065934
411271.663888860.76	411271.66	3888860.8	0.004685233	0.002445381	0.002224635	0.003244733	0	0	0	0	0	0.003244733	0.00065802	0.001133587	7.89152E-08	1.20392E-06	1.28283E-06	1.282830534
411291.663888860.76	411291.66	3888860.8	0.00490787	0.002561583	0.002330347	0.00339892	0	0	0	0	0	0.00339892	0.000689288	0.001194302	8.2758E-08	1.26308E-06	1.34584E-06	1.345842027
411311.663888860.76	411311.66	3888860.8	0.005145576	0.00268565	0.002443214	0.003563542	0	0	0	0	0	0.003563542	0.000722673	0.001259602	8.68674E-08	1.32639E-06	1.41326E-06	1.41326102
411331.663888860.76	411331.66	3888860.8	0.005400041	0.002818464	0.002564039	0.00373977	0	0	0	0	0	0.00373977	0.000758411	0.001329973	9.12728E-08	1.3943E-06	1.48557E-06	1.485573143
411351.663888860.76	411351.66	3888860.8	0.005674033	0.00296147	0.002694135	0.003929522	0	0	0	0	0	0.003929522	0.000796892	0.001406448	9.60259E-08	1.46762E-06	1.56365E-06	1.563645232
411371.663888860.76	411371.66	3888860.8	0.005964631	0.003113142	0.002832116	0.004130774	0	0	0	0	0	0.004130774	0.000837705	0.001488477	1.01079E-07	1.54565E-06	1.64672E-06	1.646724714
411391.663888860.76	411391.66	3888860.8	0.006264607	0.00326971	0.002974551	0.004338521	0	0	0	0	0	0.004338521	0.000879836	0.001574382	1.06313E-07	1.62654E-06	1.73285E-06	1.732853665
411251.663888880.76	411251.66	3888880.8	0.004683849	0.002444659	0.002223978	0.003243775	0	0	0	0	0	0.003243775	0.000657825	0.001126062	7.87943E-08	1.2015E-06	1.2803E-06	1.280296421
411271.663888880.76	411271.66	3888880.8	0.004909715	0.002562546	0.002331223	0.003400198	0	0	0	0	0	0.003400198	0.000689547	0.001187875	8.26959E-08	1.26159E-06	1.34429E-06	1.344286952
411291.663888880.76	411291.66	3888880.8	0.005151111	0.002688539	0.002445842	0.003567375	0	0	0	0	0	0.003567375	0.00072345	0.001254403	8.68719E-08	1.32594E-06	1.41282E-06	1.412816548
411311.663888880.76	411311.66	3888880.8	0.005410035	0.00282368	0.002568784	0.003746691	0	0	0	0	0	0.003746691	0.000759815	0.001326356	9.13593E-08	1.39514E-06	1.4865E-06	1.486500498
411331.663888880.76	411331.66	3888880.8	0.005687717	0.002968612	0.002700633	0.003938999	0	0	0	0	0	0.003938999	0.000798814	0.001404187	9.61808E-08	1.46954E-06	1.56572E-06	1.565721912
411351.663888880.76	411351.66	3888880.8	0.005988002	0.00312534	0.002843213	0.004146959	0	0	0	0	0	0.004146959	0.000840988	0.001489155	1.01406E-07	1.55023E-06	1.65163E-06	1.65163202
411371.663888880.76	411371.66	3888880.8	0.006307351	0.00329202	0.002994846	0.004368123	0	0	0	0	0	0.004368123	0.000885839	0.001580582	1.06977E-07	1.63634E-06	1.74332E-06	1.743315738
411391.663888880.76	411391.66	3888880.8	0.006641308	0.003466323	0.003153415	0.004599403	0	0	0	0	0	0.004599403	0.000932741	0.001677564	1.12821E-07	1.72678E-06	1.8396E-06	1.839604532
411251.663888900.76	411251.66	3888900.8	0.004900951	0.002557972	0.002327062	0.003394128	0	0	0	0	0	0.003394128	0.000688316	0.001175571	8.24101E-08	1.25642E-06	1.33883E-06	1.338834629
411271.663888900.76	411271.66	3888900.8	0.005146191	0.002685971	0.002443506	0.003563968	0	0	0	0	0	0.003563968	0.000722759	0.001243132	8.66524E-08	1.3218E-06	1.40845E-06	1.408447691
411291.663888900.76	411291.66	3888900.8	0.005408805	0.002823038	0.0025682	0.00374584	0	0	0	0	0	0.00374584	0.000759642	0.001316183	9.12047E-08	1.392E-06	1.4832E-06	1.483203522
411311.663888900.76	411311.66	3888900.8	0.005691408	0.002970538	0.002702385	0.003941554	0	0	0	0	0	0.003941554	0.000799332	0.001395467	9.61126E-08	1.46774E-06	1.56385E-06	1.563850882
411331.663888900.76	411331.66	3888900.8	0.005994613	0.003128791	0.002846353	0.004151538	0	0	0	0	0	0.004151538	0.000841916	0.001481501	1.01391E-07	1.54928E-06	1.65067E-06	1.650668453
411351.663888900.76	411351.66	3888900.8	0.006321036	0.003299162	0.003001344	0.0043776	0	0	0	0	0	0.0043776	0.000887761	0.001575124	1.07088E-07	1.63735E-06	1.74443E-06	1.744434037
411371.663888900.76	411371.66	3888900.8	0.006670522	0.00348157	0.003167286	0.004619635	0	0	0	0	0	0.004619635	0.000936844	0.00167666	1.13205E-07	1.73201E-06	1.84521E-06	1.845213492
411391.663888900.76	411391.66	3888900.8	0.007047837	0.003678504	0.003346443	0.004880942	0	0	0	0	0	0.004880942	0.000989837	0.001787819	1.1983E-07	1.83465E-06	1.95448E-06	1.954479263
411411.663888900.76	411411.66	3888900.8	0.007450676	0.003888759	0.003537718	0.005159926	0	0	0	0	0	0.005159926	0.001046413	0.001908506	1.2693E-07	1.94481E-06	2.07174E-06	2.071738097
411251.663888920.76	411251.66	3888920.8	0.005125127	0.002674977	0.002433504	0.003549379	0	0	0	0	0	0.003549379	0.000719801	0.001224562	8.61148E-08	1.31253E-06	1.39864E-06	1.39864153
411271.663888920.76	411271.66	3888920.8	0.005392353	0.002814451	0.002560389	0.003734446	0	0	0	0	0	0.003734446	0.000757331	0.001298324	9.07393E-08	1.3838E-06	1.47454E-06	1.474538758
411291.663888920.76	411291.66	3888920.8	0.005679568	0.002964359	0.002696764	0.003933355	0	0	0	0	0	0.003933355	0.000797669	0.001378577	9.5723E-08	1.46068E-06	1.5564E-06	1.556404961
411311.663888920.76	411311.66	3888920.8	0.005988924	0.003125822	0.002843651	0.004147598	0	0	0	0	0	0.004147598	0.000841117	0.001465967	1.01104E-07	1.54376E-06	1.64487E-06	1.644867016
411331.663888920.76	411331.66	3888920.8	0.006322573	0.003299964	0.003002074	0.004378665	0	0	0	0	0	0.004378665	0.000887977	0.001561464	1.06924E-07	1.63372E-06	1.74065E-06	1.740648607
411351.663888920.76	411351.66	3888920.8	0.006681746	0.003487429	0.003172616	0.004627408	0	0	0	0	0	0.004627408	0.000938421	0.001665647	1.13208E-07	1.73096E-06	1.84417E-06	1.844171563
411371.663888920.76	411371.66	3888920.8	0.007066134	0.003688054	0.00335513	0.004893614	0	0	0	0	0	0.004893614	0.000992406	0.001778841	1.19956E-07	1.83551E-06	1.95547E-06	1.955470797
411391.663888920.76	411391.66	3888920.8	0.007490191	0.003909384	0.003556481	0.005187292	0	0	0	0	0	0.005187292	0.001051963	0.001905502	1.27425E-07	1.95137E-06	2.07879E-06	2.078791295
411411.663888920.76	411411.66	3888920.8	0.00794869	0.00414869	0.003774184	0.005504823	0	0	0	0	0	0.005504823	0.001116357	0.002045017	1.35535E-07	2.07736E-06	2.2129E-06	2.212896912
411251.663888940.76	411251.66	3888940.8	0.00535453	0.00279471	0.002542429	0.003708251	0	0	0	0	0	0.003708251	0.000752019	0.001272326	8.98738E-08	1.36926E-06	1.45913E-06	1.45913278
411271.663888940.76	411271.66	3888940.8	0.005645588	0.002946623	0.002680629	0.003909823	0	0	0	0	0	0.003909823	0.000792897	0.001352418	9.49074E-08	1.44682E-06	1.54172E-06	1.541724267
411291.663888940.76	411291.66	3888940.8	0.005960326	0.003110895	0.002830072	0.004127792	0	0	0	0	0	0.004127792	0.000837101	0.00144026	1.00367E-07	1.53104E-06	1.63141E-06	1.631405012
411311.663888940.76	411311.66	3888940.8	0.006300586	0.003288489	0.002991634	0.004363438	0	0	0	0	0	0.004363438	0.000884889	0.001536532	1.06287E-07	1.62246E-06	1.72875E-06	1.728749678
411331.663888940.76	411331.66	3888940.8	0.006669138	0.003480848	0.003166629	0.004618676	0	0	0	0	0	0.004618676	0.00093665	0.001642363	1.12721E-07	1.72193E-06	1.83465E-06	1.834654141
411351.663888940.76	411351.66	3888940.8	0.007066903	0.003688455	0.003355495	0.004894146	0	0	0	0	0	0.004894146	0.000992514	0.001758495	1.19691E-07	1.82984E-06	1.94953E-06	1.94952674
411371.663888940.76	411371.66	3888940.8	0.007495573	0.003912192	0.003559036	0.005191019	0	0	0	0	0	0.005191019	0.001052719	0.001885899	1.27232E-07	1.94677E-06	2.074E-06	2.073998317
411391.663888940.76	411391.66	3888940.8	0.007969754	0.004159684	0.003784186	0.005519411	0	0	0	0	0	0.005519411	0.001119316	0.002029289	1.35608E-07	2.07681E-06	2.21242E-06	2.21242225
411411.663888940.76	411411.66	3888940.8	0.008490677	0.004431571	0.00403153	0.005880174	0	0	0	0	0	0.005880174	0.001192477	0.002189957	1.44851E-07	2.22058E-06	2.36543E-06	2.365433344
411431.663888940.76	411431.66	3888940.8	0.009050962	0.004724003	0.004297563	0.006268196	0	0	0	0	0	0.006268196	0.001271166	0.002367192	1.54854E-07	2.37648E-06	2.53133E-06	2.531333148
411251.663888960.76	411251.66	3888960.8	0.005583933	0.002914443	0.002651354	0.003867123	0	0	0	0	0	0.003867123	0.000784238	0.001317507	9.35977E-08	1.42525E-06	1.51885E-06	1.518849581

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
411271.663888960.76	411271.66	3888960.8	0.00590359	0.003081283	0.002803133	0.0040885	0	0	0	0	0	0.0040885	0.000829132	0.001404671	9.91151E-08	1.5102E-06	1.60932E-06	1.609317351
411291.663888960.76	411291.66	3888960.8	0.006248463	0.003261284	0.002966885	0.00432734	0	0	0	0	0	0.00432734	0.000877568	0.001500168	1.05087E-07	1.60227E-06	1.70736E-06	1.707358106
411311.663888960.76	411311.66	3888960.8	0.006623934	0.003457255	0.003145166	0.00458737	0	0	0	0	0	0.00458737	0.000930301	0.001605837	1.11613E-07	1.70299E-06	1.81461E-06	1.814606802
411331.663888960.76	411331.66	3888960.8	0.007029848	0.003669115	0.003337901	0.004868484	0	0	0	0	0	0.004868484	0.00098731	0.001722131	1.18695E-07	1.81247E-06	1.93117E-06	1.931168019
411351.663888960.76	411351.66	3888960.8	0.007472202	0.003899994	0.003547939	0.005174834	0	0	0	0	0	0.005174834	0.001049437	0.001851247	1.26445E-07	1.93246E-06	2.05891E-06	2.058906992
411371.663888960.76	411371.66	3888960.8	0.007952534	0.004150696	0.003776009	0.005507485	0	0	0	0	0	0.005507485	0.001116897	0.001994443	1.34901E-07	2.06361E-06	2.19851E-06	2.19851074
411391.663888960.76	411391.66	3888960.8	0.008484527	0.004428361	0.004028609	0.005875914	0	0	0	0	0	0.005875914	0.001191613	0.00215637	1.44312E-07	2.20982E-06	2.35413E-06	2.354127596
411411.663888960.76	411411.66	3888960.8	0.00907341	0.004735719	0.004308222	0.006283742	0	0	0	0	0	0.006283742	0.001274319	0.002339935	1.54788E-07	2.37289E-06	2.52768E-06	2.527681029
411431.663888960.76	411431.66	3888960.8	0.009700424	0.005062979	0.00460594	0.006717978	0	0	0	0	0	0.006717978	0.00136238	0.002541423	1.66025E-07	2.54826E-06	2.71428E-06	2.714282179
411251.663888980.76	411251.66	3888980.8	0.005808108	0.003031448	0.002757796	0.004022374	0	0	0	0	0	0.004022374	0.000815722	0.001359135	9.72026E-08	1.47925E-06	1.57645E-06	1.576449299
411271.663888980.76	411271.66	3888980.8	0.006158055	0.003214097	0.002923958	0.004264729	0	0	0	0	0	0.004264729	0.000864871	0.001453114	1.03223E-07	1.57183E-06	1.67506E-06	1.675056331
411291.663888980.76	411291.66	3888980.8	0.006537369	0.003412074	0.003104063	0.004527421	0	0	0	0	0	0.004527421	0.000918144	0.001556716	1.09772E-07	1.67269E-06	1.78246E-06	1.782459153
411311.663888980.76	411311.66	3888980.8	0.006948819	0.003626823	0.003299427	0.004812368	0	0	0	0	0	0.004812368	0.00097593	0.001671137	1.16904E-07	1.78267E-06	1.89957E-06	1.899573002
411331.663888980.76	411331.66	3888980.8	0.007398707	0.003861635	0.003513042	0.005123935	0	0	0	0	0	0.005123935	0.001039115	0.001798638	1.24735E-07	1.90361E-06	2.02834E-06	2.02834437
411351.663888980.76	411351.66	3888980.8	0.007891493	0.004118836	0.003747026	0.005465212	0	0	0	0	0	0.005465212	0.001108324	0.00194135	1.33354E-07	2.03696E-06	2.17031E-06	2.170309652
411371.663888980.76	411371.66	3888980.8	0.008432404	0.004401156	0.00400386	0.005839817	0	0	0	0	0	0.005839817	0.001184293	0.002101598	1.42863E-07	2.18436E-06	2.32722E-06	2.327218068
411391.663888980.76	411391.66	3888980.8	0.009031127	0.00471365	0.004288145	0.00625446	0	0	0	0	0	0.00625446	0.001268381	0.002283515	1.5345E-07	2.34881E-06	2.50226E-06	2.502258427
411411.663888980.76	411411.66	3888980.8	0.009697657	0.005061534	0.004604626	0.006716061	0	0	0	0	0	0.006716061	0.001361992	0.002491786	1.65314E-07	2.53353E-06	2.69885E-06	2.698846004
411431.663888980.76	411431.66	3888980.8	0.010416155	0.005436543	0.004945782	0.007213653	0	0	0	0	0	0.007213653	0.001462902	0.00272431	1.78212E-07	2.73495E-06	2.91316E-06	2.913163972
411251.663889000.76	411251.66	3889000.8	0.00602521	0.003144761	0.002860881	0.004172728	0	0	0	0	0	0.004172728	0.000846213	0.001397147	1.00662E-07	1.53088E-06	1.63154E-06	1.631541204
411271.663889000.76	411271.66	3889000.8	0.006404371	0.003342658	0.003040913	0.004435313	0	0	0	0	0	0.004435313	0.000899465	0.001497067	1.0716E-07	1.63065E-06	1.73781E-06	1.737809488
411291.663889000.76	411291.66	3889000.8	0.006818434	0.003558771	0.003237518	0.004722071	0	0	0	0	0	0.004722071	0.000957618	0.001608065	1.14281E-07	1.74014E-06	1.85442E-06	1.854423298
411311.663889000.76	411311.66	3889000.8	0.007270014	0.003794466	0.003451936	0.00503481	0	0	0	0	0	0.00503481	0.00102104	0.001731335	1.22077E-07	1.86019E-06	1.98227E-06	1.982266926
411331.663889000.76	411331.66	3889000.8	0.007763261	0.004051908	0.003686139	0.005376405	0	0	0	0	0	0.005376405	0.001090315	0.001868718	1.30629E-07	1.9921E-06	2.12273E-06	2.122727747
411351.663889000.76	411351.66	3889000.8	0.008310322	0.004337438	0.003945894	0.00575527	0	0	0	0	0	0.00575527	0.001167147	0.002024477	1.40161E-07	2.13937E-06	2.27953E-06	2.279528454
411251.663889020.76	411251.66	3889020.8	0.006234625	0.003254061	0.002960315	0.004317757	0	0	0	0	0	0.004317757	0.000875625	0.001432057	1.03976E-07	1.58018E-06	1.68416E-06	1.684156397
411271.663889020.76	411271.66	3889020.8	0.006645921	0.00346873	0.003155605	0.004602597	0	0	0	0	0	0.004602597	0.000933389	0.001538114	1.10992E-07	1.68774E-06	1.79873E-06	1.798732017
411291.663889020.76	411291.66	3889020.8	0.007098115	0.003704746	0.003370316	0.004915762	0	0	0	0	0	0.004915762	0.000996898	0.001656572	1.18732E-07	1.80653E-06	1.92526E-06	1.925257021
411311.663889020.76	411311.66	3889020.8	0.007595667	0.003964435	0.003606563	0.005260339	0	0	0	0	0	0.005260339	0.001066777	0.001789208	1.27278E-07	1.93788E-06	2.06516E-06	2.06516132
411331.663889020.76	411331.66	3889020.8	0.0081272	0.00424186	0.003858944	0.005628449	0	0	0	0	0	0.005628449	0.001141428	0.001934051	1.36451E-07	2.07911E-06	2.21556E-06	2.215564283
411351.663889020.76	411351.66	3889020.8	0.008731612	0.004557323	0.00414593	0.006047032	0	0	0	0	0	0.006047032	0.001226315	0.00210205	1.46927E-07	2.24065E-06	2.38758E-06	2.387577348
411251.663889040.76	411251.66	3889040.8	0.006420823	0.003351244	0.003048725	0.004446707	0	0	0	0	0	0.004446707	0.000901775	0.001460768	1.06891E-07	1.62335E-06	1.73024E-06	1.730239843
411271.663889040.76	411271.66	3889040.8	0.006864407	0.003582766	0.003259347	0.004753909	0	0	0	0	0	0.004753909	0.000964075	0.001572541	1.14422E-07	1.73861E-06	1.85303E-06	1.8530279
411291.663889040.76	411291.66	3889040.8	0.007355194	0.003838924	0.003492381	0.005093801	0	0	0	0	0	0.005093801	0.001033003	0.001697975	1.2278E-07	1.86663E-06	1.98941E-06	1.989411731
411311.663889040.76	411311.66	3889040.8	0.007898412	0.004122448	0.003750311	0.005470003	0	0	0	0	0	0.005470003	0.001109296	0.001839071	1.3206E-07	2.00898E-06	2.14104E-06	2.141043748
411331.663889040.76	411331.66	3889040.8	0.00850144	0.004437189	0.00403664	0.005887628	0	0	0	0	0	0.005887628	0.001193989	0.001998512	1.42401E-07	2.16781E-06	2.31021E-06	2.310212921
411351.663889040.76	411351.66	3889040.8	0.009178886	0.004790771	0.004358304	0.006356789	0	0	0	0	0	0.006356789	0.001289133	0.002181334	1.54068E-07	2.3473E-06	2.50137E-06	2.501369436

Cal City Substation 115 kilovolt (kV) Upgrade Project

Offroad DPM Emissions, Ground Level Concentrations and Health Risk Calculations
Residential Receptors

Phase		Year	Emissions (lbs/day)	Days Per Year	Work Hours Per Day	Emissions (g/s)	Wt. Trip Length (mi)	Modeled Trip Length (mi)	
S-01	Cal City Substation Civil Crew (Site Grading)	2026	0.117101681	0	9	0.001639387	1.06	1.06	0.117101681
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	2026	0.105548002	0	9	0.001477639	1.06	1.06	0.105548002
S-03	Cal City Substation Civil Crew (Foundation)	2026	0.099771162	61	9	0.001396765	1.06	1.06	0.099771162
S-04	Cal City Substation Electrical Crew	2027	0	0	9	0	1.06	1.06	0
S-05	Cal City Substation Maintenance Crew	2027	0	31	9	0	1.06	1.06	0
S-06	Cal City Substation Test Crew	2027	0	0	9	0	1.06	1.06	0
S-07	Cal City Substation Test Crew and Wireman (Cutover)	2027	0	26	9	0	1.06	1.06	0
S-08	Cal City Substation Demolition - Test Crew	2027	0	0	9	0	1.06	1.06	0
S-09	Cal City Substation Demolition - Maintenance Crew	2027	0		9	0			0
S-10	Cal City Substation Demolition - Electrical Crew	2027	0		9	0			0
S-11	Cal City Substation Demolition - Civil Crew	2028	0.099771162		9	0.001396765			0.099771162
L-01	Staging Areas	2026	0.002919076		9	4.08662E-05			0.002919076

			AERMOD Column Identifier:	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*				
				Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)		2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4119713888860	411971	3888860		0.005560261	0.005011665	0.004737368	0	0	0	0	0	0	0	0.004737368	0.000138605	7.72883E-08	9.40759E-07	1.01805E-06	1.018047142
4119913888860	411991	3888860		0.004895309	0.00441232	0.004170826	0	0	0	0	0	0	0	0.004170826	0.000122029	6.80454E-08	8.28253E-07	8.96299E-07	0.896298829
4120113888860	412011	3888860		0.004369394	0.003938293	0.003722743	0	0	0	0	0	0	0	0.003722743	0.000108919	6.07351E-08	7.39272E-07	8.00007E-07	0.800007172
4120313888860	412031	3888860		0.003942907	0.003553885	0.003359375	0	0	0	0	0	0	0	0.003359375	9.82876E-05	5.48069E-08	6.67113E-07	7.2192E-07	0.721920282
4120513888860	412051	3888860		0.003589504	0.003235351	0.003058274	0	0	0	0	0	0	0	0.003058274	8.94781E-05	4.98946E-08	6.0732E-07	6.57215E-07	0.65721457
4120713888860	412071	3888860		0.003291792	0.002967011	0.002804621	0	0	0	0	0	0	0	0.002804621	8.20568E-05	4.57563E-08	5.56949E-07	6.02705E-07	0.602705328
4120913888860	412091	3888860		0.00303926	0.002739396	0.002589464	0	0	0	0	0	0	0	0.002589464	7.57618E-05	4.22461E-08	5.14222E-07	5.56469E-07	0.556468524
4121113888860	412111	3888860		0.002821337	0.002542973	0.002403791	0	0	0	0	0	0	0	0.002403791	7.03294E-05	3.92169E-08	4.77351E-07	5.16568E-07	0.516568119
4121313888860	412131	3888860		0.002630725	0.002371168	0.00224139	0	0	0	0	0	0	0	0.00224139	6.55779E-05	3.65674E-08	4.45101E-07	4.81668E-07	0.481668396
4121513888860	412151	3888860		0.002463016	0.002220006	0.0020985	0	0	0	0	0	0	0	0.0020985	6.13973E-05	3.42362E-08	4.16726E-07	4.50962E-07	0.450961923
4121713888860	412171	3888860		0.002314897	0.002086501	0.001972303	0	0	0	0	0	0	0	0.001972303	5.77051E-05	3.21774E-08	3.91665E-07	4.23842E-07	0.423842375
4121913888860	412191	3888860		0.0021825	0.001967167	0.0018595	0	0	0	0	0	0	0	0.0018595	5.44047E-05	3.0337E-08	3.69264E-07	3.99601E-07	0.39960137
4122113888860	412211	3888860		0.002062841	0.001859314	0.00175755	0	0	0	0	0	0	0	0.00175755	5.14219E-05	2.86738E-08	3.49019E-07	3.77693E-07	0.377692617
4119713888880	411971	3888880		0.005447979	0.004910462	0.004641703	0	0	0	0	0	0	0	0.004641703	0.000135806	7.57276E-08	9.21762E-07	9.97489E-07	0.997489114
4119913888880	411991	3888880		0.004794897	0.004321815	0.004085274	0	0	0	0	0	0	0	0.004085274	0.000119526	6.66497E-08	8.11264E-07	8.77914E-07	0.877913966
4120113888880	412011	3888880		0.00427844	0.003856314	0.003645251	0	0	0	0	0	0	0	0.003645251	0.000106652	5.94709E-08	7.23883E-07	7.83354E-07	0.783354239
4120313888880	412031	3888880		0.003860757	0.003479841	0.003289383	0	0	0	0	0	0	0	0.003289383	9.62398E-05	5.3665E-08	6.53214E-07	7.06879E-07	0.706879213
4120513888880	412051	3888880		0.003514945	0.003168148	0.002994749	0	0	0	0	0	0	0	0.002994749	8.76195E-05	4.88582E-08	5.94705E-07	6.43563E-07	0.643563246
4120713888880	412071	3888880		0.003223937	0.002905852	0.002746809	0	0	0	0	0	0	0	0.002746809	8.03654E-05	4.48131E-08	5.45469E-07	5.90282E-07	0.590281663
4120913888880	412091	3888880		0.002976554	0.002682876	0.002536037	0	0	0	0	0	0	0	0.002536037	7.41986E-05	4.13745E-08	5.03613E-07	5.44987E-07	0.544987364
4121113888880	412111	3888880		0.002763483	0.002490827	0.0023545	0	0	0	0	0	0	0	0.0023545	6.88873E-05	3.84128E-08	4.67563E-07	5.05975E-07	0.505975436
4121313888880	412131	3888880		0.002576986	0.002322731	0.002195604	0	0	0	0	0	0	0	0.002195604	6.42383E-05	3.58204E-08	4.36009E-07	4.71829E-07	0.471829118
4121513888880	412151	3888880		0.002413539	0.00217541	0.002056346	0	0	0	0	0	0	0	0.002056346	6.0164E-05	3.35485E-08	4.08355E-07	4.41903E-07	0.441903064
4121713888880	412171	3888880		0.002268453	0.002044639	0.001932732	0	0	0	0	0	0	0	0.001932732	5.65473E-05	3.15318E-08	3.83807E-07	4.15339E-07	0.415338813
4121913888880	412191	3888880		0.002139335	0.00192826	0.001822723	0	0	0	0	0	0	0	0.001822723	5.33287E-05	2.9737E-08	3.61961E-07	3.91698E-07	0.391698131
4122113888880	412211	3888880		0.002022807	0.00182323	0.001723441	0	0	0	0	0	0	0	0.001723441	5.04239E-05	2.81173E-08	3.42245E-07	3.70363E-07	0.370362685
4118513888900	411851	3888900		0.021028078	0.018953371	0.017916017	0	0	0	0	0	0	0	0.017916017	0.000524182	2.92293E-07	3.55781E-06	3.8501E-06	3.850102429
4118713888900	411871	3888900		0.01489608	0.013426379	0.012691528	0	0	0	0	0	0	0	0.012691528	0.000371325	2.07057E-07	2.52032E-06	2.72737E-06	2.727374129
4118913888900	411891	3888900		0.011267674	0.010155964	0.009600109	0	0	0	0	0	0	0	0.009600109	0.000280877	1.56622E-07	1.90641E-06	2.06304E-06	2.063036738
4119113888900	411911	3888900		0.008929284	0.008048288	0.00760779	0	0	0	0	0	0	0	0.00760779	0.000222587	1.24118E-07	1.51077E-06	1.63489E-06	1.634893056
4119313888900	411931	3888900		0.007340488	0.006616249	0.006254129	0	0	0	0	0	0	0	0.006254129	0.000182982	1.02034E-07	1.24196E-06	1.344E-06	1.343995001
4119513888900	411951	3888900		0.006207327	0.00559489	0.005288671	0	0	0	0	0	0	0	0.005288671	0.000154734	8.62826E-08	1.05024E-06	1.13652E-06	1.136520699
4119713888900	411971	3888900		0.0053656	0.00483621	0.004571516	0	0	0	0	0	0	0	0.004571516	0.000133752	7.45825E-08	9.07823E-07	9.82406E-07	0.982406022
4119913888900	411991	3888900		0.00471937	0.00425374	0.004020925	0	0	0	0	0	0	0	0.004020925	0.000117643	6.55998E-08	7.98486E-07	8.64086E-07	0.864085548
4120113888900	412011	3888900		0.004209439	0.00379412	0.003586461	0	0	0	0	0	0	0	0.003586461	0.000104932	5.85117E-08	7.12209E-07	7.7072E-07	0.770720461
4120313888900	412031	3888900		0.003796575	0.003421991	0.003234699	0	0	0	0	0	0	0	0.003234699	9.46399E-05	5.27729E-08	6.42355E-07	6.95128E-07	0.695127909
4120513888900	412051	3888900		0.003455845	0.003114879	0.002944396	0	0	0	0	0	0	0	0.002944396	8.61463E-05	4.80367E-08	5.84706E-07	6.32742E-07	0.632742442
4120713888900	412071	3888900		0.003169165	0.002856484	0.002700143	0	0	0	0	0	0	0	0.002700143	7.9E-05	4.40518E-08	5.36201E-07	5.80253E-07	0.580253283
4120913888900	412091	3888900		0.002924585	0.002636035	0.00249176	0	0	0	0	0	0	0	0.00249176	7.29032E-05	4.06521E-08	4.9482E-07	5.35472E-07	0.53547226
4121113888900	412111	3888900		0.002714596	0.002446764	0.002312848	0	0	0	0	0	0	0	0.002312848	6.76686E-05	3.77332E-08	4.59291E-07	4.97025E-07	0.497024634
4121313888900	412131	3888900		0.002531542	0.002281771	0.002156885	0	0	0	0	0	0	0	0.002156885	6.31055E-05	3.51888E-08	4.2832E-07	4.63509E-07	0.463508654
4121513888900	412151	3888900		0.002371194	0.002137243	0.002020268	0	0	0	0	0	0	0	0.002020268	5.91084E-05	3.29599E-08	4.0119E-07	4.3415E-07	0.434149904

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4121713888900	412171	3888900	0.002228944	0.002009028	0.00189907	0	0	0	0	0	0	0	0.00189907	5.55625E-05	3.09826E-08	3.77122E-07	4.08105E-07	0.408104932
4118513888920	411851	3888920	0.02103934	0.018963522	0.017925613	0	0	0	0	0	0	0	0.017925613	0.000524462	2.9245E-07	3.55972E-06	3.85216E-06	3.852164535
4118713888920	411871	3888920	0.014870506	0.013403328	0.012669738	0	0	0	0	0	0	0	0.012669738	0.000370688	2.06702E-07	2.51599E-06	2.72269E-06	2.722691617
4118913888920	411891	3888920	0.01120536	0.010099799	0.009547018	0	0	0	0	0	0	0	0.009547018	0.000279324	1.55756E-07	1.89587E-06	2.05163E-06	2.051627618
4119113888920	411911	3888920	0.00886302	0.007988562	0.007551333	0	0	0	0	0	0	0	0.007551333	0.000220935	1.23197E-07	1.49956E-06	1.62276E-06	1.622760547
4119313888920	411931	3888920	0.007275913	0.006558045	0.006199111	0	0	0	0	0	0	0	0.006199111	0.000181372	1.01136E-07	1.23104E-06	1.33217E-06	1.332171658
4119513888920	411951	3888920	0.006146408	0.005539981	0.005236767	0	0	0	0	0	0	0	0.005236767	0.000153216	8.54359E-08	1.03993E-06	1.12537E-06	1.125366715
4119713888920	411971	3888920	0.005307894	0.004784198	0.004522349	0	0	0	0	0	0	0	0.004522349	0.000132314	7.37804E-08	8.9806E-07	9.7184E-07	0.971840354
4119913888920	411991	3888920	0.004663139	0.004203057	0.003973016	0	0	0	0	0	0	0	0.003973016	0.000116241	6.48182E-08	7.88972E-07	8.5379E-07	0.853790025
4120113888920	412011	3888920	0.004156503	0.003746407	0.003541359	0	0	0	0	0	0	0	0.003541359	0.000103612	5.77759E-08	7.03252E-07	7.61028E-07	0.761028262
4120313888920	412031	3888920	0.003746361	0.003376731	0.003191916	0	0	0	0	0	0	0	0.003191916	9.33882E-05	5.20749E-08	6.33859E-07	6.85934E-07	0.685933977
4120513888920	412051	3888920	0.003407926	0.003071687	0.002903568	0	0	0	0	0	0	0	0.002903568	8.49518E-05	4.73706E-08	5.76598E-07	6.23969E-07	0.623968735
4120713888920	412071	3888920	0.003123967	0.002815745	0.002661634	0	0	0	0	0	0	0	0.002661634	7.78733E-05	4.34235E-08	5.28554E-07	5.71978E-07	0.571977844
4120913888920	412091	3888920	0.002881617	0.002597306	0.002455151	0	0	0	0	0	0	0	0.002455151	7.18321E-05	4.00548E-08	4.8755E-07	5.27605E-07	0.527605039
4121113888920	412111	3888920	0.002673628	0.002409838	0.002277943	0	0	0	0	0	0	0	0.002277943	6.66474E-05	3.71638E-08	4.5236E-07	4.89524E-07	0.48952361
4121313888920	412131	3888920	0.002493	0.002247032	0.002124047	0	0	0	0	0	0	0	0.002124047	6.21448E-05	3.4653E-08	4.21799E-07	4.56452E-07	0.456451869
4121513888920	412151	3888920	0.00233434	0.002104026	0.001988868	0	0	0	0	0	0	0	0.001988868	5.81897E-05	3.24476E-08	3.94955E-07	4.27402E-07	0.427402285
4121713888920	412171	3888920	0.002194091	0.001977614	0.001869375	0	0	0	0	0	0	0	0.001869375	5.46936E-05	3.04981E-08	3.71225E-07	4.01724E-07	0.401723509
4118513888940	411851	3888940	0.020935944	0.018870328	0.017837519	0	0	0	0	0	0	0	0.017837519	0.000521885	2.91012E-07	3.54222E-06	3.83323E-06	3.833233379
4118713888940	411871	3888940	0.014845227	0.013380542	0.0126482	0	0	0	0	0	0	0	0.0126482	0.000370057	2.06351E-07	2.51171E-06	2.71806E-06	2.718063134
4118913888940	411891	3888940	0.011171032	0.010068857	0.009517769	0	0	0	0	0	0	0	0.009517769	0.000278468	1.55279E-07	1.89006E-06	2.04534E-06	2.045342246
4119113888940	411911	3888940	0.008814707	0.007945016	0.007510171	0	0	0	0	0	0	0	0.007510171	0.00021973	1.22526E-07	1.49139E-06	1.61391E-06	1.613914802
4119313888940	411931	3888940	0.007229912	0.006516582	0.006159917	0	0	0	0	0	0	0	0.006159917	0.000180225	1.00497E-07	1.22325E-06	1.32375E-06	1.32374914
4119513888940	411951	3888940	0.006105931	0.005503498	0.005202281	0	0	0	0	0	0	0	0.005202281	0.000152207	8.48732E-08	1.03308E-06	1.11796E-06	1.117955739
4120513888940	412051	3888940	0.003372253	0.003039534	0.002873175	0	0	0	0	0	0	0	0.002873175	8.40625E-05	4.68747E-08	5.70562E-07	6.17437E-07	0.617437231
4120713888940	412071	3888940	0.003088639	0.002783902	0.002631534	0	0	0	0	0	0	0	0.002631534	7.69927E-05	4.29325E-08	5.22577E-07	5.65509E-07	0.565509374
4121713888940	412171	3888940	0.002164827	0.001951238	0.001844443	0	0	0	0	0	0	0	0.001844443	5.39642E-05	3.00914E-08	3.66274E-07	3.96366E-07	0.396365635
4121913888940	412191	3888940	0.002041152	0.001839765	0.001739071	0	0	0	0	0	0	0	0.001739071	5.08812E-05	2.83723E-08	3.45349E-07	3.73721E-07	0.373721487
4122113888940	412211	3888940	0.001930493	0.001740024	0.001644789	0	0	0	0	0	0	0	0.001644789	4.81228E-05	2.68341E-08	3.26627E-07	3.53461E-07	0.353460618
4122313888940	412231	3888940	0.00183072	0.001650095	0.001559782	0	0	0	0	0	0	0	0.001559782	4.56357E-05	2.54472E-08	3.09746E-07	3.35193E-07	0.335192818
4118513888960	411851	3888960	0.021073571	0.018994375	0.017954778	0	0	0	0	0	0	0	0.017954778	0.000525316	2.92925E-07	3.56551E-06	3.85843E-06	3.858431897
4118713888960	411871	3888960	0.014886687	0.013417912	0.012683524	0	0	0	0	0	0	0	0.012683524	0.000371091	2.06927E-07	2.51873E-06	2.72565E-06	2.725654207
4118913888960	411891	3888960	0.011172425	0.010070113	0.009518957	0	0	0	0	0	0	0	0.009518957	0.000278503	1.55298E-07	1.8903E-06	2.0456E-06	2.045597383
4119113888960	411911	3888960	0.008820265	0.007950025	0.007514906	0	0	0	0	0	0	0	0.007514906	0.000219869	1.22603E-07	1.49233E-06	1.61493E-06	1.614932348
4119313888960	411931	3888960	0.007226518	0.006513523	0.006157026	0	0	0	0	0	0	0	0.006157026	0.00018014	1.0045E-07	1.22268E-06	1.32313E-06	1.323127806
4119513888960	411951	3888960	0.006100652	0.00549874	0.005197783	0	0	0	0	0	0	0	0.005197783	0.000152075	8.47998E-08	1.03219E-06	1.11699E-06	1.116989221
4120513888960	412051	3888960	0.003351236	0.003020591	0.002855268	0	0	0	0	0	0	0	0.002855268	8.35386E-05	4.65826E-08	5.67007E-07	6.13589E-07	0.613589167
4120713888960	412071	3888960	0.003066474	0.002763925	0.00261265	0	0	0	0	0	0	0	0.00261265	7.64402E-05	4.26244E-08	5.18827E-07	5.61451E-07	0.561451197
4121713888960	412171	3888960	0.002141663	0.001930359	0.001824706	0	0	0	0	0	0	0	0.001824706	5.33867E-05	2.97694E-08	3.62355E-07	3.92124E-07	0.392124359
4121913888960	412191	3888960	0.002018168	0.001819048	0.001719488	0	0	0	0	0	0	0	0.001719488	5.03083E-05	2.80528E-08	3.4146E-07	3.69513E-07	0.369513229
4122113888960	412211	3888960	0.001908231	0.001719958	0.001625821	0	0	0	0	0	0	0	0.001625821	4.75678E-05	2.65246E-08	3.2286E-07	3.49384E-07	0.349384431
4122313888960	412231	3888960	0.00180831	0.001629895	0.001540688	0	0	0	0	0	0	0	0.001540688	4.5077E-05	2.51357E-08	3.05954E-07	3.3109E-07	0.331089617
4118513888980	411851	3888980	0.021000962	0.018928931	0.017892915	0	0	0	0	0	0	0	0.017892915	0.000523506	2.91916E-07	3.55322E-06	3.84514E-06	3.845137766
4118713888980	411871	3888980	0.014891507	0.013422256	0.012687631	0	0	0	0	0	0	0	0.012687631	0.000371211	2.06994E-07	2.51954E-06	2.72654E-06	2.72653668
4118913888980	411891	3888980	0.011191622	0.010087416	0.009535313	0	0	0	0	0	0	0	0.009535313	0.000278981	1.55565E-07	1.89355E-06	2.04911E-06	2.049112268
4119113888980	411911	3888980	0.008828921	0.007957827	0.00752228	0	0	0	0	0	0	0	0.00752228	0.000220085	1.22723E-07	1.49379E-06	1.61652E-06	1.616517198
4119313888980	411931	3888980	0.00723724	0.006523187	0.006166161	0	0	0	0	0	0	0	0.006166161	0.000180408	1.00599E-07	1.22449E-06	1.32509E-06	1.325090859
4119513888980	411951	3888980	0.006103669	0.005501459	0.005200353	0	0	0	0	0	0	0	0.005200353	0.00015215	8.48418E-08	1.0327E-06	1.11754E-06	1.117541517
4120513888980	412051	3888980	0.003329563	0.003001056	0.002836803	0	0	0	0	0	0	0	0.002836803	8.29984E-05	4.62814E-08	5.6334E-07	6.09621E-07	0.609621038
4120713888980	412071	3888980	0.00304231	0.002742144	0.002592061	0	0	0	0	0	0	0	0.002592061	7.58378E-05	4.22885E-08	5.14738E-07	5.57027E-07	0.557026823
4121713888980	412171	3888980	0.002119416	0.001910307	0.001805752	0	0	0	0	0	0	0	0.001805752	5.28322E-05	2.94602E-08	3.58591E-07	3.88051E-07	0.388051174
4121913888980	412191	3888980	0.001996889	0.001799868	0.001701358	0	0	0	0	0	0	0	0.001701358	4.97778E-05	2.7757E-08	3.3786E-07	3.65617E-07	0.365617139
4122113888980	412211	3888980	0.001887673	0.001701428	0.001608306	0	0	0	0	0	0	0	0.001608306	4.70553E-05	2.62389E-08	3.19382E-07	3.4562E-07	0.345620412
4122313888980	412231	3888980	0.001789162	0.001612637	0.001524374	0	0	0	0	0	0	0	0.001524374	4.45997E-05	2.48696E-08	3.02714E-07	3.27584E-07	0.327583736
4119113889000	411911	3889000	0.008892595	0.008015219	0.007576531	0	0	0	0	0	0	0	0.007576531	0.000221672	1.23608E-07	1.50457E-06	1.62818E-06	1.628175452
4119313889000	411931	3889000	0.0072867	0.006567767	0.006208301	0	0	0	0	0	0	0	0.006208301	0.000181641	1.01286E-07	1.23286E-06	1.33415E-06	1.334146717
4119513889000	411951	3889000	0.006132719	0.005527642	0.005225104	0	0	0	0	0	0	0	0.005225104	0.000152875	8.52456E-08	1.03761E-06	1.12286E-06	1.122860371
4119713889000	411971	3889000	0.005270696	0.00475067	0.004490657	0	0	0	0	0	0	0	0.004490657	0.000131386	7.32633E-08	8.91766E-07	9.6503E-07	0.965029701
4119913889000	411991	3889000	0.004608023	0.004153379	0.003926056	0	0	0	0	0	0	0	0.003926056	0.000114867	6.40521E-08	7.79647E-07	8.43699E-07	0.843698611
4120113889000	412011	3889000	0.004084714	0.003681701	0.003480195	0	0	0	0	0	0	0	0.003480195	0.000101823	5.6778E-08	6.91106E-07	7.47884E-07	0.747884211
4120313889000	412031	3889000	0.003662916	0.003301519	0.003120821	0	0	0	0	0	0	0	0.003120821	9.13081E-05	5.0915E-08	6.19741E-07	6.70656E-07	0.670655781
4120513889000	412051	3889000	0.003316907	0.002989649	0.00282602	0	0	0	0	0	0	0	0.00282602	8.26829E-05	4.61054E-08	5.61198E-07	6.07304E-07	0.607303795
4120713889000	412071	3889000	0.003027965	0.002729215	0.00257984	0	0	0	0	0	0	0	0.00257984	7.54802E-05	4.20891E-08	5.12311E-07	5.544E-07	0.554400414
4120913889000	412091	3889000	0.002784352	0.002509638	0.00237228	0	0	0	0	0	0	0	0.00237228	6.94075E-05	3.87028E-08	4.71094E-07	5.09796E-07	0.509796486
4121113889000	412111	3889000	0.002577281	0.002322997	0.002195855	0	0	0	0	0	0	0	0.002195855	6.42457E-05	3.58245E-08	4.36059E-07	4.71883E-07	0.471883147
4121313889000	412131	3889000	0.002397998	0.002161402	0.002043105	0	0	0	0	0	0	0	0.002043105	5.97766E-05	3.33325E-08	4.05725E-07	4.39058E-07	0.439057537
4119113889020	411911	3889020	0.008971039	0.008085924	0.007643366	0	0	0	0	0	0	0	0.007643366	0.000223627	1.24699E-07	1.51784E-06	1.64254E-06	1.642538157
4119313889020	411931	3889020	0.007317291	0.00659534	0.006234365	0	0	0	0	0	0	0	0.006234365	0.000182403	1.01711E-07	1.23804E-06	1.33975E-06	1.339747722
4119513889020	411951	3889020	0.006141588	0.005535636	0.005232661	0	0	0	0	0	0	0	0.005232661	0.000153096	8.53689E-08	1.03912E-06	1.12448E-06	1.124484242
4119713889020	411971	3889020	0.005264843	0.004745395	0.00448567	0	0	0	0	0	0	0	0.00448567	0.00013124	7.3182E-08	8.90776E-07	9.63958E-07	0.963958126
4119913889020	411991	3889020	0.00459576	0.004142326	0.003915609	0	0	0	0	0	0	0	0.003915609	0.000114562	6.38817E-08	7.77572E-07	8.41453E-07	0.841453407

Unique Identifier	X (UTM)	Y (UTM)	Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
			2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4120113889020	412011	3889020	0.004069173	0.003667693	0.003466953	0	0	0	0	0	0	0	0.003466953	0.000101435	5.6562E-08	6.88477E-07	7.45039E-07	0.745038684
4120313889020	412031	3889020	0.003645916	0.003286196	0.003106337	0	0	0	0	0	0	0	0.003106337	9.08843E-05	5.06787E-08	6.16864E-07	6.67543E-07	0.667543111
4120513889020	412051	3889020	0.00330007	0.002974473	0.002811675	0	0	0	0	0	0	0	0.002811675	8.22632E-05	4.58714E-08	5.5835E-07	6.04221E-07	0.604221141
4120713889020	412071	3889020	0.003010637	0.002713596	0.002565076	0	0	0	0	0	0	0	0.002565076	7.50483E-05	4.18482E-08	5.09379E-07	5.51228E-07	0.551227712
4120913889020	412091	3889020	0.002767433	0.002494388	0.002357866	0	0	0	0	0	0	0	0.002357866	6.89858E-05	3.84677E-08	4.68231E-07	5.06699E-07	0.506698824
4121113889020	412111	3889020	0.002559543	0.002307009	0.002180742	0	0	0	0	0	0	0	0.002180742	6.38035E-05	3.5578E-08	4.33057E-07	4.68635E-07	0.468635405
4121313889020	412131	3889020	0.002380194	0.002145355	0.002027936	0	0	0	0	0	0	0	0.002027936	5.93328E-05	3.3085E-08	4.02713E-07	4.35798E-07	0.435797788
411251.663888860.7(	411251.66	3888860.8	0.000366764	0.000330577	0.000312484	0	0	0	0	0	0	0	0.000312484	9.14258E-06	5.09806E-09	6.2054E-08	6.7152E-08	0.067152024
411271.663888860.7(	411271.66	3888860.8	0.000386174	0.000348073	0.000329022	0	0	0	0	0	0	0	0.000329022	9.62643E-06	5.36787E-09	6.53381E-08	7.07059E-08	0.070705931
411291.663888860.7(	411291.66	3888860.8	0.000407207	0.000367031	0.000346943	0	0	0	0	0	0	0	0.000346943	1.01507E-05	5.66024E-09	6.88968E-08	7.4557E-08	0.074556997
411311.663888860.7(	411311.66	3888860.8	0.000430044	0.000387614	0.0003664	0	0	0	0	0	0	0	0.0003664	1.072E-05	5.97767E-09	7.27606E-08	7.87382E-08	0.07873824
411331.663888860.7(	411331.66	3888860.8	0.000454914	0.00041003	0.000387588	0	0	0	0	0	0	0	0.000387588	1.134E-05	6.32336E-09	7.69683E-08	8.32917E-08	0.083291683
411351.663888860.7(	411351.66	3888860.8	0.000482275	0.000434692	0.0004109	0	0	0	0	0	0	0	0.0004109	1.2022E-05	6.70368E-09	8.15977E-08	8.83014E-08	0.08830137
411371.663888860.7(	411371.66	3888860.8	0.000512177	0.000461644	0.000436377	0	0	0	0	0	0	0	0.000436377	1.27674E-05	7.11933E-09	8.6657E-08	9.37763E-08	0.093776307
411391.663888860.7(	411391.66	3888860.8	0.000544391	0.00049068	0.000463824	0	0	0	0	0	0	0	0.000463824	1.35704E-05	7.56711E-09	9.21074E-08	9.96745E-08	0.099674471
411251.663888880.7(	411251.66	3888880.8	0.000366419	0.000330267	0.000312191	0	0	0	0	0	0	0	0.000312191	9.134E-06	5.09328E-09	6.19957E-08	6.7089E-08	0.067088991
411271.663888880.7(	411271.66	3888880.8	0.000385945	0.000347866	0.000328827	0	0	0	0	0	0	0	0.000328827	9.62071E-06	5.36468E-09	6.52992E-08	7.06639E-08	0.070663908
411291.663888880.7(	411291.66	3888880.8	0.00040706	0.000366898	0.000346817	0	0	0	0	0	0	0	0.000346817	1.01471E-05	5.65818E-09	6.88718E-08	7.453E-08	0.074529982
411311.663888880.7(	411311.66	3888880.8	0.000430011	0.000387585	0.000366372	0	0	0	0	0	0	0	0.000366372	1.07192E-05	5.97721E-09	7.2755E-08	7.87322E-08	0.078732237
411331.663888880.7(	411331.66	3888880.8	0.000455012	0.000410119	0.000387672	0	0	0	0	0	0	0	0.000387672	1.13424E-05	6.32472E-09	7.6985E-08	8.33097E-08	0.083309692
411351.663888880.7(	411351.66	3888880.8	0.000482537	0.000434928	0.000411124	0	0	0	0	0	0	0	0.000411124	1.20285E-05	6.70733E-09	8.16421E-08	8.83494E-08	0.088349396
411371.663888880.7(	411371.66	3888880.8	0.000512571	0.000461999	0.000436713	0	0	0	0	0	0	0	0.000436713	1.27772E-05	7.1248E-09	8.67235E-08	9.38483E-08	0.093848346
411391.663888880.7(	411391.66	3888880.8	0.000545113	0.00049133	0.000464438	0	0	0	0	0	0	0	0.000464438	1.35884E-05	7.57714E-09	9.22294E-08	9.98065E-08	0.099806542
411251.663888900.7(	411251.66	3888900.8	0.000365747	0.000329661	0.000311618	0	0	0	0	0	0	0	0.000311618	9.11724E-06	5.08393E-09	6.1882E-08	6.69659E-08	0.066965925
411271.663888900.7(	411271.66	3888900.8	0.000385305	0.00034729	0.000328282	0	0	0	0	0	0	0	0.000328282	9.60477E-06	5.35579E-09	6.51911E-08	7.05468E-08	0.070546846
411291.663888900.7(	411291.66	3888900.8	0.00040647	0.000366366	0.000346314	0	0	0	0	0	0	0	0.000346314	1.01324E-05	5.64998E-09	6.87719E-08	7.44219E-08	0.074421924
411311.663888900.7(	411311.66	3888900.8	0.000429454	0.000387082	0.000365897	0	0	0	0	0	0	0	0.000365897	1.07053E-05	5.96946E-09	7.26607E-08	7.86302E-08	0.078630182
411331.663888900.7(	411331.66	3888900.8	0.000454487	0.000409646	0.000387225	0	0	0	0	0	0	0	0.000387225	1.13293E-05	6.31743E-09	7.68962E-08	8.32136E-08	0.083213641
411351.663888900.7(	411351.66	3888900.8	0.000481865	0.000434323	0.000410551	0	0	0	0	0	0	0	0.000410551	1.20118E-05	6.69799E-09	8.15283E-08	8.82263E-08	0.08822633
411371.663888900.7(	411371.66	3888900.8	0.000511817	0.000461319	0.00043607	0	0	0	0	0	0	0	0.00043607	1.27584E-05	7.11432E-09	8.6596E-08	9.37103E-08	0.093710272
411391.663888900.7(	411391.66	3888900.8	0.000544965	0.000491197	0.000464313	0	0	0	0	0	0	0	0.000464313	1.35847E-05	7.57509E-09	9.22044E-08	9.97795E-08	0.099779528
411411.663888900.7(	411411.66	3888900.8	0.00058154	0.000524163	0.000495475	0	0	0	0	0	0	0	0.000495475	1.44965E-05	8.08348E-09	9.83926E-08	1.06476E-07	0.10647612
411251.663888920.7(	411251.66	3888920.8	0.000364633	0.000328657	0.000310669	0	0	0	0	0	0	0	0.000310669	9.08945E-06	5.06844E-09	6.16934E-08	6.67618E-08	0.066761815
411271.663888920.7(	411271.66	3888920.8	0.000384207	0.0003463	0.000327346	0	0	0	0	0	0	0	0.000327346	9.57739E-06	5.34052E-09	6.50052E-08	7.03457E-08	0.070345738
411291.663888920.7(	411291.66	3888920.8	0.000405404	0.000365405	0.000345406	0	0	0	0	0	0	0	0.000345406	1.01058E-05	5.63517E-09	6.85917E-08	7.42268E-08	0.07422682
411311.663888920.7(	411311.66	3888920.8	0.000428421	0.000386152	0.000365017	0	0	0	0	0	0	0	0.000365017	1.06796E-05	5.95511E-09	7.2486E-08	7.84411E-08	0.078441081
411331.663888920.7(	411331.66	3888920.8	0.00045352	0.000408774	0.000386401	0	0	0	0	0	0	0	0.000386401	1.13052E-05	6.30399E-09	7.67326E-08	8.30365E-08	0.083036546
411351.663888920.7(	411351.66	3888920.8	0.000480898	0.000433451	0.000409727	0	0	0	0	0	0	0	0.000409727	1.19877E-05	6.68454E-09	8.13647E-08	8.80492E-08	0.088049235
411371.663888920.7(	411371.66	3888920.8	0.000510735	0.000460344	0.000435148	0	0	0	0	0	0	0	0.000435148	1.27314E-05	7.09928E-09	8.64129E-08	9.35122E-08	0.093512166
411391.663888920.7(	411391.66	3888920.8	0.000544211	0.000490517	0.00046367	0	0	0	0	0	0	0	0.00046367	1.35659E-05	7.5646E-09	9.20769E-08	9.96415E-08	0.099641454
411411.663888920.7(	411411.66	3888920.8	0.000581392	0.00052403	0.000495349	0	0	0	0	0	0	0	0.000495349	1.44928E-05	8.08143E-09	9.83677E-08	1.06449E-07	0.106449106
411251.663888940.7(	411251.66	3888940.8	0.000363157	0.000327327	0.000309411	0	0	0	0	0	0	0	0.000309411	9.05267E-06	5.04793E-09	6.14437E-08	6.64917E-08	0.06649167
411271.663888940.7(	411271.66	3888940.8	0.000382666	0.000344911	0.000326033	0	0	0	0	0	0	0	0.000326033	9.53898E-06	5.3191E-09	6.47445E-08	7.00636E-08	0.070063586
411291.663888940.7(	411291.66	3888940.8	0.000403863	0.000364016	0.000344093	0	0	0	0	0	0	0	0.000344093	1.00674E-05	5.61375E-09	6.83309E-08	7.39447E-08	0.073944668
411311.663888940.7(	411311.66	3888940.8	0.000426896	0.000384777	0.000363718	0	0	0	0	0	0	0	0.000363718	1.06415E-05	5.93392E-09	7.2228E-08	7.81619E-08	0.078161931
411331.663888940.7(	411331.66	3888940.8	0.000452012	0.000407415	0.000385116	0	0	0	0	0	0	0	0.000385116	1.12676E-05	6.28302E-09	7.64774E-08	8.27604E-08	0.082760398
411351.663888940.7(	411351.66	3888940.8	0.000479422	0.000432121	0.00040847	0	0	0	0	0	0	0	0.00040847	1.19509E-05	6.66403E-09	8.11151E-08	8.77791E-08	0.08777909
411371.663888940.7(	411371.66	3888940.8	0.000509358	0.000459103	0.000433975	0	0	0	0	0	0	0	0.000433975	1.26971E-05	7.08014E-09	8.61799E-08	9.326E-08	0.09326003
411391.663888940.7(	411391.66	3888940.8	0.000542916	0.00048935	0.000462567	0	0	0	0	0	0	0	0.000462567	1.35336E-05	7.5466E-09	9.18577E-08	9.94043E-08	0.099404327
411411.663888940.7(	411411.66	3888940.8	0.000580474	0.000523203	0.000494567	0	0	0	0	0	0	0	0.000494567	1.44699E-05	8.06867E-09	9.82123E-08	1.06281E-07	0.106281016
411431.663888940.7(	411431.66	3888940.8	0.000622115	0.000560735	0.000530045	0	0	0	0	0	0	0	0.000530045	1.55079E-05	8.64747E-09	1.05258E-07	1.13905E-07	0.113905106
411251.663888960.7(	411251.66	3888960.8	0.000361173	0.000325539	0.000307721	0	0	0	0	0	0	0	0.000307721	9.00322E-06	5.02036E-09	6.11081E-08	6.61285E-08	0.066128475
411271.663888960.7(	411271.66	3888960.8	0.000380748	0.000343182	0.000324399	0	0	0	0	0	0	0	0.000324399	9.49117E-06	5.29244E-09	6.442E-08	6.97124E-08	0.069712398
411291.663888960.7(	411291.66	3888960.8	0.000401896	0.000362243	0.000342417	0	0	0	0	0	0	0	0.000342417	1.00183E-05	5.5864E-09	6.79981E-08	7.35845E-08	0.073584475
411311.663888960.7(	411311.66	3888960.8	0.000424946	0.000383019	0.000362056	0	0	0	0	0	0	0	0.000362056	1.05929E-05	5.9068E-09	7.18979E-08	7.78047E-08	0.077804739
411331.663888960.7(	411331.66	3888960.8	0.000449963	0.000405568	0.00038337	0	0	0	0	0	0	0	0.00038337	1.12165E-05	6.25454E-09	7.61307E-08	8.23852E-08	0.082385196
411351.663888960.7(	411351.66	3888960.8	0.000477373	0.000430274	0.000406724	0	0	0	0	0	0	0	0.000406724	1.18998E-05	6.63555E-09	8.07683E-08	8.74039E-08	0.087403889
411371.663888960.7(	411371.66	3888960.8	0.000507407	0.000457344	0.000432313	0	0	0	0	0	0	0	0.000432313	1.26485E-05	7.05302E-09	8.58498E-08	9.29028E-08	0.092902839
411391.663888960.7(	411391.66	3888960.8	0.000540981	0.000487606	0.000460919	0	0	0	0	0	0	0	0.000460919	1.34854E-05	7.51971E-09	9.15304E-08	9.90501E-08	0.099050137
411411.663888960.7(	411411.66	3888960.8	0.000578638	0.000521548	0.000493002	0	0	0	0	0	0	0	0.000493002	1.44241E-05	8.04314E-09	9.79017E-08	1.05945E-07	0.105944835
411431.663888960.7(	411431.66	3888960.8	0.000619803	0.000558651	0.000528075	0	0	0	0	0	0	0	0.000528075	1.54503E-05	8.61534E-09	1.04867E-07	1.13482E-07	0.113481879
411251.663888980.7(	411251.66	3888980.8	0.000358682	0.000323293	0.000305598	0	0	0	0	0	0	0	0.000305598	8.94111E-06	4.98572E-09	6.06865E-08	6.56722E-08	0.065672231
411271.663888980.7(	411271.66	3888980.8	0.000378256	0.000340936	0.000322276	0	0	0	0	0	0	0	0.000322276	9.42905E-06	5.2578E-09	6.39983E-08	6.92562E-08	0.069256153
411291.663888980.7(	411291.66	3888980.8	0.000399404	0.000359997	0.000340294	0	0	0	0	0	0	0	0.000340294	9.95622E-06	5.55177E-09	6.75765E-08	7.31282E-08	0.07312823
411311.663888980.7(	411311.66	3888980.8	0.000422306	0.00038064	0.000359807	0	0	0	0	0	0	0	0.000359807	1.05271E-05	5.87011E-09	7.14514E-08	7.73215E-08	0.07732148
411331.663888980.7(	411331.66	3888980.8	0.000447307	0.000403174	0.000381107	0	0	0	0	0	0	0	0.000381107	1.11503E-05	6.21762E-09	7.56813E-08	8.18989E-08	0.081898936
411351.663888980.7(	411351.66	3888980.8	0.000474717	0.00042788	0.000404461	0	0	0	0	0	0	0	0.000404461	1.18336E-05	6.59863E-09	8.0319E-08	8.69176E-08	0.086917628
411371.663888980.7(	411371.66	3888980.8	0.000504882	0.000455069	0.000430162	0	0	0	0	0	0	0	0.000430162	1.25856E-05	7.01793E-09	8.54227E-08	9.24406E-08	0.092440591
411391.663888980.7(	411391.66	3888980.8	0.00053844	0.000485316	0.000458754	0	0	0	0	0	0	0	0.000458754	1.34221E-05	7.48439E-09	9.11005E-08	9.85849E-08	0.098584887
411411.663888980.7(	411411.66	3888980.8	0.000576097	0.000519257	0.000490837	0	0	0	0	0	0	0	0.000490837	1.43608E-05	8.00782E-09	9.74718E-08	1.0548E-07	0.105479586
411431.663888980.7(	411431.66	3888980.8	0.000617393	0.000556479	0.000526022	0	0	0	0	0	0	0	0.000526022	1.53902E-05	8.58185E-09	1.04459E-07	1.13041E-07	0.113040642

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
411251.663889000.7(	411251.66	3889000.8	0.000355763	0.000320663	0.000303112	0	0	0	0	0	0	0	0.000303112	8.86837E-06	4.94516E-09	6.01928E-08	6.51379E-08	0.065137944
411271.663889000.7(	411271.66	3889000.8	0.00037519	0.000338173	0.000319664	0	0	0	0	0	0	0	0.000319664	9.35263E-06	5.21519E-09	6.34797E-08	6.86949E-08	0.068694852
411291.663889000.7(	411291.66	3889000.8	0.000396256	0.00035716	0.000337612	0	0	0	0	0	0	0	0.000337612	9.87776E-06	5.50801E-09	6.70439E-08	7.25519E-08	0.072551921
411311.663889000.7(	411311.66	3889000.8	0.00041906	0.000377714	0.000357041	0	0	0	0	0	0	0	0.000357041	1.04462E-05	5.82499E-09	7.09022E-08	7.67272E-08	0.076727161
411331.663889000.7(	411331.66	3889000.8	0.000443815	0.000400027	0.000378132	0	0	0	0	0	0	0	0.000378132	1.10633E-05	6.16908E-09	7.50905E-08	8.12596E-08	0.081259593
411351.663889000.7(	411351.66	3889000.8	0.000471144	0.000424659	0.000401416	0	0	0	0	0	0	0	0.000401416	1.17445E-05	6.54896E-09	7.97143E-08	8.62633E-08	0.086263277
411251.663889020.7(	411251.66	3889020.8	0.000352616	0.000317825	0.00030043	0	0	0	0	0	0	0	0.00030043	8.7899E-06	4.90141E-09	5.96602E-08	6.45616E-08	0.064561635
411271.663889020.7(	411271.66	3889020.8	0.000371993	0.000335291	0.00031694	0	0	0	0	0	0	0	0.00031694	9.27294E-06	5.17076E-09	6.29388E-08	6.81095E-08	0.068109538
411291.663889020.7(	411291.66	3889020.8	0.000393043	0.000354264	0.000334875	0	0	0	0	0	0	0	0.000334875	9.79766E-06	5.46335E-09	6.65003E-08	7.19636E-08	0.071963606
411311.663889020.7(	411311.66	3889020.8	0.000415913	0.000374877	0.000354359	0	0	0	0	0	0	0	0.000354359	1.03677E-05	5.78124E-09	7.03696E-08	7.61509E-08	0.076150852
411331.663889020.7(	411331.66	3889020.8	0.00044011	0.000396687	0.000374976	0	0	0	0	0	0	0	0.000374976	1.09709E-05	6.11758E-09	7.44636E-08	8.05812E-08	0.080581229
411351.663889020.7(	411351.66	3889020.8	0.000467275	0.000421172	0.00039812	0	0	0	0	0	0	0	0.00039812	1.16481E-05	6.49518E-09	7.90597E-08	8.55549E-08	0.085554897
411251.663889040.7(	411251.66	3889040.8	0.000348665	0.000314264	0.000297064	0	0	0	0	0	0	0	0.000297064	8.69142E-06	4.84649E-09	5.89918E-08	6.38382E-08	0.063838247
411271.663889040.7(	411271.66	3889040.8	0.000367993	0.000331686	0.000313532	0	0	0	0	0	0	0	0.000313532	9.17323E-06	5.11515E-09	6.2262E-08	6.73771E-08	0.067377145
411291.663889040.7(	411291.66	3889040.8	0.000389027	0.000350644	0.000331452	0	0	0	0	0	0	0	0.000331452	9.69754E-06	5.40752E-09	6.58207E-08	7.12282E-08	0.071228211
411311.663889040.7(	411311.66	3889040.8	0.000411929	0.000371286	0.000350965	0	0	0	0	0	0	0	0.000350965	1.02684E-05	5.72586E-09	6.96956E-08	7.54215E-08	0.075421461
411331.663889040.7(	411331.66	3889040.8	0.000436897	0.000393791	0.000372238	0	0	0	0	0	0	0	0.000372238	1.08908E-05	6.07292E-09	7.392E-08	7.99929E-08	0.079992913
411351.663889040.7(	411351.66	3889040.8	0.000464455	0.00041863	0.000395718	0	0	0	0	0	0	0	0.000395718	1.15778E-05	6.45598E-09	7.85826E-08	8.50386E-08	0.08503862

Cal City Substation 115 kilovolt (kV) Upgrade Project

Cancer Risk Summary & Maximum Annual GLC for Chronic Calculations

Cancer Risk Summary

Max Risk: 8.147511

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
1197138888(	411971	3888860	1.639536617	1.018047	2.6575838
1199138888(	411991	3888860	1.536635286	0.896299	2.4329341
1201138888(	412011	3888860	1.441206779	0.800007	2.241214
1203138888(	412031	3888860	1.354071129	0.72192	2.0759914
1205138888(	412051	3888860	1.275762064	0.657215	1.9329766
1207138888(	412071	3888860	1.205996789	0.602705	1.8087021
1209138888(	412091	3888860	1.14321192	0.556469	1.6996804
1211138888(	412111	3888860	1.087484752	0.516568	1.6040529
1213138888(	412131	3888860	1.038316009	0.481668	1.5199844
1215138888(	412151	3888860	0.995011048	0.450962	1.445973
1217138888(	412171	3888860	0.95691014	0.423842	1.3807525
1219138888(	412191	3888860	0.923372916	0.399601	1.3229743
1221138888(	412211	3888860	0.893699019	0.377693	1.2713916
1197138888(	411971	3888880	1.736844008	0.997489	2.7343331
1199138888(	411991	3888880	1.625028282	0.877914	2.5029422
1201138888(	412011	3888880	1.523041809	0.783354	2.306396
1203138888(	412031	3888880	1.430665595	0.706879	2.1375448
1205138888(	412051	3888880	1.348630638	0.643563	1.9921939
1207138888(	412071	3888880	1.276120108	0.590282	1.8664018
1209138888(	412091	3888880	1.211568871	0.544987	1.7565562
1211138888(	412111	3888880	1.154818074	0.505975	1.6607935
1213138888(	412131	3888880	1.104938986	0.471829	1.5767681
1215138888(	412151	3888880	1.061132538	0.441903	1.5030356
1217138888(	412171	3888880	1.022431431	0.415339	1.4377702
1219138888(	412191	3888880	0.988408118	0.391698	1.3801062
1221138888(	412211	3888880	0.958157194	0.370363	1.3285199
1185138889(	411851	3888900	2.807728255	3.850102	6.6578307
1187138889(	411871	3888900	2.62605141	2.727374	5.3534255
1189138889(	411891	3888900	2.452755083	2.063037	4.5157918
1191138889(	411911	3888900	2.285749637	1.634893	3.9206427
1193138889(	411931	3888900	2.128424502	1.343995	3.4724195
1195138889(	411951	3888900	1.982487661	1.136521	3.1190084
1197138889(	411971	3888900	1.848909764	0.982406	2.8313158
1199138889(	411991	3888900	1.727608944	0.864086	2.5916945
1201138889(	412011	3888900	1.618329236	0.77072	2.3890497
1203138889(	412031	3888900	1.521192067	0.695128	2.21632
1205138889(	412051	3888900	1.435297442	0.632742	2.0680399
1207138889(	412071	3888900	1.360045317	0.580253	1.9402986
1209138889(	412091	3888900	1.293781525	0.535472	1.8292538
1211138889(	412111	3888900	1.235693354	0.497025	1.732718
1213138889(	412131	3888900	1.184737964	0.463509	1.6482466
1215138889(	412151	3888900	1.139928695	0.43415	1.5740786
1217138889(	412171	3888900	1.100184139	0.408105	1.5082891
1185138889:	411851	3888920	3.0882921	3.852165	6.9404566
1187138889:	411871	3888920	2.87121706	2.722692	5.5939087
1189138889:	411891	3888920	2.665286318	2.051628	4.7169139
1191138889:	411911	3888920	2.472007078	1.622761	4.0947676
1193138889:	411931	3888920	2.292332535	1.332172	3.6245042
1195138889:	411951	3888920	2.128188901	1.125367	3.2535556
1197138889:	411971	3888920	1.980939159	0.97184	2.9527795
1199138889:	411991	3888920	1.849357835	0.85379	2.7031479
1201138889:	412011	3888920	1.73256986	0.761028	2.4935981
1203138889:	412031	3888920	1.62994584	0.685934	2.3158798
1205138889:	412051	3888920	1.54013697	0.623969	2.1641057
1207138889:	412071	3888920	1.461641762	0.571978	2.0336196
1209138889:	412091	3888920	1.393045857	0.527605	1.9206509
1211138889:	412111	3888920	1.332898229	0.489524	1.8224218

Max GLC for Chronic Calcs

Max GLC: 0.092813

XY	X	Y	2026	2027	2028	Max
4119713888860	411971	3888860	0.0289853	0.0084319	0.0055923	0.0289853
4119913888860	411991	3888860	0.0262919	0.0079065	0.0049725	
4120113888860	412011	3888860	0.0240397	0.0074125	0.0044744	
4120313888860	412031	3888860	0.0221272	0.0069559	0.0040647	
4120513888860	412051	3888860	0.0204874	0.0065412	0.0037215	
4120713888860	412071	3888860	0.0190717	0.0061694	0.0034302	
4120913888860	412091	3888860	0.0178391	0.0058333	0.003181	
4121113888860	412111	3888860	0.0167615	0.0055341	0.0029649	
4121313888860	412131	3888860	0.0158152	0.00527	0.0027758	
4121513888860	412151	3888860	0.0149829	0.0050381	0.0026094	
4121713888860	412171	3888860	0.0142499	0.0048349	0.0024626	
4121913888860	412191	3888860	0.0136	0.0046571	0.0023317	
4122113888860	412211	3888860	0.0130192	0.004501	0.0022139	
4119713888880	411971	3888880	0.0294522	0.0089066	0.0055448	
4119913888880	411991	3888880	0.0267135	0.0083305	0.00493	
4120113888880	412011	3888880	0.024429	0.0077981	0.004436	
4120313888880	412031	3888880	0.0224942	0.0073109	0.0040307	
4120513888880	412051	3888880	0.0208424	0.0068747	0.0036918	
4120713888880	412071	3888880	0.0194222	0.0064882	0.0034047	
4120913888880	412091	3888880	0.0181892	0.006143	0.0031589	
4121113888880	412111	3888880	0.0171178	0.0058397	0.0029466	
4121313888880	412131	3888880	0.0161791	0.0055741	0.0027608	
4121513888880	412151	3888880	0.0153572	0.0053424	0.0025981	
4121713888880	412171	3888880	0.0146306	0.0051393	0.0024538	
4121913888880	412191	3888880	0.013989	0.0049623	0.0023259	
4122113888880	412211	3888880	0.0134154	0.0048066	0.0022108	
4118513888900	411851	3888900	0.0812579	0.0140774	0.0193434	
4118713888900	411871	3888900	0.0628183	0.0132443	0.0140345	
4118913888900	411891	3888900	0.0513817	0.0124314	0.0108606	
4119113888900	411911	3888900	0.0435603	0.0116292	0.008787	
4119313888900	411931	3888900	0.0378817	0.0108561	0.0073549	
4119513888900	411951	3888900	0.0335457	0.0101235	0.0063152	
4119713888900	411971	3888900	0.0301078	0.0094403	0.0055287	
4119913888900	411991	3888900	0.027305	0.0088104	0.0049143	
4120113888900	412011	3888900	0.0249745	0.0082364	0.0044216	
4120313888900	412031	3888900	0.0230115	0.0077223	0.0040177	
4120513888900	412051	3888900	0.0213417	0.0072659	0.0036811	
4120713888900	412071	3888900	0.0199117	0.0068662	0.0033964	
4120913888900	412091	3888900	0.0186747	0.0065146	0.0031523	
4121113888900	412111	3888900	0.0176041	0.0062079	0.0029423	
4121313888900	412131	3888900	0.0166702	0.0059411	0.0027593	
4121513888900	412151	3888900	0.0158529	0.0057087	0.0025991	
4121713888900	412171	3888900	0.0151299	0.0055047	0.0024572	
4118513888920	411851	3888920	0.0835171	0.0154276	0.0194899	
4118713888920	411871	3888920	0.0647022	0.0144326	0.0141332	
4118913888920	411891	3888920	0.0529065	0.0134649	0.0109123	
4119113888920	411911	3888920	0.0448612	0.0125317	0.008822	
4119313888920	411931	3888920	0.0390012	0.0116422	0.0073796	
4119513888920	411951	3888920	0.0345207	0.0108114	0.006333	
4119713888920	411971	3888920	0.0309744	0.0100532	0.0055417	
4119913888920	411991	3888920	0.0280876	0.009367	0.0049228	
4120113888920	412011	3888920	0.0257023	0.0087524	0.0044288	
4120313888920	412031	3888920	0.0237019	0.0082104	0.0040244	
4120513888920	412051	3888920	0.0220084	0.0077364	0.003688	
4120713888920	412071	3888920	0.0205627	0.0073236	0.0034042	
4120913888920	412091	3888920	0.0193181	0.0069657	0.0031615	
4121113888920	412111	3888920	0.0182422	0.0066549	0.0029527	

Cancer Risk Summary

Max Risk: 8.147511

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
1213138889	412131	3888920	1.279891157	0.456452	1.736343
1215138889	412151	3888920	1.232956725	0.427402	1.660359
1217138889	412171	3888920	1.191259199	0.401724	1.5929827
1185138889	411851	3888940	3.416033774	3.833233	7.2492672
1187138889	411871	3888940	3.157799505	2.718063	5.8758626
1189138889	411891	3888940	2.913511199	2.045342	4.9588534
1191138889	411911	3888940	2.687829041	1.613915	4.3017438
1193138889	411931	3888940	2.483021265	1.323749	3.8067704
1195138889	411951	3888940	2.299701635	1.117956	3.4176574
1205138889	412051	3888940	1.667351523	0.617437	2.2847888
1207138889	412071	3888940	1.584904336	0.565509	2.1504137
1217138889	412171	3888940	1.297583282	0.396366	1.6939489
1219138889	412191	3888940	1.25670106	0.373721	1.6304225
1221138889	412211	3888940	1.219425057	0.353461	1.5728857
1223138889	412231	3888940	1.185122679	0.335193	1.5203155
1185138889	411851	3888960	3.811333335	3.858432	7.6697652
1187138889	411871	3888960	3.492506196	2.725654	6.2181604
1189138889	411891	3888960	3.198431179	2.045597	5.2440286
1191138889	411911	3888960	2.937989828	1.614932	4.5529222
1193138889	411931	3888960	2.704098062	1.323128	4.0272259
1195138889	411951	3888960	2.502350891	1.116989	3.6193401
1205138889	412051	3888960	1.822235938	0.613589	2.4358251
1207138889	412071	3888960	1.733980761	0.561451	2.295432
1217138889	412171	3888960	1.421067508	0.392124	1.8131919
1219138889	412191	3888960	1.374637531	0.369513	1.7441508
1221138889	412211	3888960	1.332127364	0.349384	1.6815118
1223138889	412231	3888960	1.292136291	0.33109	1.6232259
1185138889	411851	3888980	4.30237342	3.845138	8.1475112
1187138889	411871	3888980	3.913357859	2.726537	6.6398945
1189138889	411891	3888980	3.564624421	2.049112	5.6137367
1191138889	411911	3888980	3.2584594	1.616517	4.8749766
1193138889	411931	3888980	2.992458947	1.325091	4.3175498
1195138889	411951	3888980	2.762850665	1.117542	3.8803922
1205138889	412051	3888980	2.011672747	0.609621	2.6212938
1207138889	412071	3888980	1.91430224	0.557027	2.4713291
1217138889	412171	3888980	1.560057253	0.388051	1.9481084
1219138889	412191	3888980	1.506564696	0.365617	1.8721818
1221138889	412211	3888980	1.45712176	0.34562	1.8027422
1223138889	412231	3888980	1.410857802	0.327584	1.7384415
1191138890	411911	3889000	3.657830495	1.628175	5.2860059
1193138890	411931	3889000	3.349075037	1.334147	4.6832218
1195138890	411951	3889000	3.086488404	1.12286	4.2093488
1197138890	411971	3889000	2.863113893	0.96503	3.8281436
1199138890	411991	3889000	2.672015383	0.843699	3.515714
1201138890	412011	3889000	2.507476052	0.747884	3.2553603
1203138890	412031	3889000	2.364686542	0.670656	3.0353423
1205138890	412051	3889000	2.23943533	0.607304	2.8467391
1207138890	412071	3889000	2.128770211	0.5544	2.6831706
1209138890	412091	3889000	2.0297777	0.509796	2.5395742
1211138890	412111	3889000	1.940610175	0.471883	2.4124933
1213138890	412131	3889000	1.859745033	0.439058	2.2988026
1191138890	411911	3889020	4.17635671	1.642538	5.8188949
1193138890	411931	3889020	3.807046253	1.339748	5.146794
1195138890	411951	3889020	3.498287728	1.124484	4.622772
1197138890	411971	3889020	3.237186859	0.963958	4.201145
1199138890	411991	3889020	3.015499273	0.841453	3.8569527
1201138890	412011	3889020	2.82427109	0.745039	3.5693098
1203138890	412031	3889020	2.657588065	0.667543	3.3251312
1205138890	412051	3889020	2.510905722	0.604221	3.1151269
1207138890	412071	3889020	2.379574546	0.551228	2.9308023
1209138890	412091	3889020	2.262209525	0.506699	2.7689083
1211138890	412111	3889020	2.155958611	0.468635	2.624594
1213138890	412131	3889020	2.059428711	0.435798	2.4952265

Max GLC for Chronic Calcs

Max GLC: 0.092813

XY	X	Y	2026	2027	2028	Max
4121313888920	412131	3888920	0.0173042	0.0063838	0.0027714	
4121513888920	412151	3888920	0.0164798	0.0061466	0.0026121	
4121713888920	412171	3888920	0.015752	0.0059385	0.0024715	
4118513888940	411851	3888940	0.085807	0.0169784	0.0195591	
4118713888940	411871	3888940	0.0668983	0.015802	0.0142505	
4118913888940	411891	3888940	0.0547753	0.0146522	0.0110035	
4119113888940	411911	3888940	0.0464275	0.0135565	0.0088848	
4119313888940	411931	3888940	0.0403636	0.0125347	0.0074309	
4119513888940	411951	3888940	0.0357351	0.0116002	0.0063785	
4120513888940	412051	3888940	0.0228794	0.0083067	0.0037155	
4120713888940	412071	3888940	0.0214109	0.0078829	0.0034308	
4121713888940	412171	3888940	0.0165173	0.0064526	0.0024987	
4121913888940	412191	3888940	0.0158498	0.0062567	0.0023735	
4122113888940	412211	3888940	0.0152487	0.0060797	0.0022613	
4122313888940	412231	3888940	0.0147024	0.0059181	0.0021599	
4118513888960	411851	3888960	0.0892587	0.018808	0.0198619	
4118713888960	411871	3888960	0.0696216	0.0173609	0.0144439	
4118913888960	411891	3888960	0.0569967	0.0159764	0.0111389	
4119113888960	411911	3888960	0.0483762	0.0147048	0.0090059	
4119313888960	411931	3888960	0.0420451	0.0135312	0.0075291	
4119513888960	411951	3888960	0.0372562	0.0124987	0.0064651	
4120513888960	412051	3888960	0.0240079	0.0090071	0.0037686	
4120713888960	412071	3888960	0.0225014	0.0085672	0.0034813	
4121713888960	412171	3888960	0.0174454	0.0070594	0.0025405	
4121913888960	412191	3888960	0.0167392	0.0068417	0.0024132	
4122113888960	412211	3888960	0.0161022	0.0066434	0.0022995	
4122313888960	412231	3888960	0.0155131	0.0064573	0.0021954	
4118513888980	411851	3888980	0.0928131	0.0210216	0.0200245	
4118713888980	411871	3888980	0.0728729	0.0192776	0.0146423	
4118913888980	411891	3888980	0.059858	0.0176343	0.0113234	
4119113888980	411911	3888980	0.050837	0.0161342	0.0091583	
4119313888980	411931	3888980	0.0442495	0.0147985	0.0076667	
4119513888980	411951	3888980	0.0392189	0.0136329	0.0065827	
4120513888980	412051	3888980	0.0254157	0.0098809	0.0038387	
4120713888980	412071	3888980	0.0238464	0.0094143	0.0035467	
4121713888980	412171	3888980	0.0185114	0.0077534	0.0025919	
4121913888980	412191	3888980	0.0177557	0.0075059	0.0024624	
4122113888980	412211	3888980	0.0170685	0.0072772	0.0023462	
4122313888980	412231	3888980	0.0164355	0.007063	0.0022405	
4119113889000	411911	3889000	0.0539815	0.0178433	0.0093858	
4119313889000	411931	3889000	0.047028	0.0163155	0.0078627	
4119513889000	411951	3889000	0.0417038	0.0150172	0.0067478	
4119713889000	411971	3889000	0.0375167	0.013923	0.0059024	
4119913889000	411991	3889000	0.0341537	0.0129987	0.0052441	
4120113889000	412011	3889000	0.0313996	0.0122135	0.0047186	
4120313889000	412031	3889000	0.0291075	0.0115406	0.004291	
4120513889000	412051	3889000	0.027169	0.010956	0.0039369	
4120713889000	412071	3889000	0.0255068	0.0104436	0.0036388	
4120913889000	412091	3889000	0.0240631	0.0099872	0.003385	
4121113889000	412111	3889000	0.022798	0.0095772	0.003167	
4121313889000	412131	3889000	0.0216748	0.0092058	0.0029766	
4119113889020	411911	3889020	0.0579896	0.0199966	0.009671	
4119313889020	411931	3889020	0.0504866	0.0182445	0.0080843	
4119513889020	411951	3889020	0.0448004	0.0167921	0.0069353	
4119713889020	411971	3889020	0.0403368	0.0155831	0.0060658	
4119913889020	411991	3889020	0.0367651	0.0145659	0.0053926	
4120113889020	412011	3889020	0.0338311	0.0136953	0.0048556	
4120313889020	412031	3889020	0.0313764	0.01294	0.0044184	
4120513889020	412051	3889020	0.0292904	0.0122755	0.0040564	
4120713889020	412071	3889020	0.0274795	0.0116811	0.0037495	
4120913889020	412091	3889020	0.0259022	0.0111481	0.0034883	
4121113889020	412111	3889020	0.0245068	0.0106638	0.003262	
4121313889020	412131	3889020	0.0232637	0.0102219	0.0030644	

Cancer Risk Summary

Max Risk: 8.147511

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
51.6638888(	411251.66	3888860.8	1.224065934	0.067152	1.291218
71.6638888(	411271.66	3888860.8	1.282830534	0.070706	1.3535365
91.6638888(	411291.66	3888860.8	1.345842027	0.074557	1.420399
11.6638888(	411311.66	3888860.8	1.41326102	0.078738	1.4919993
31.6638888(	411331.66	3888860.8	1.485573143	0.083292	1.5688648
51.6638888(	411351.66	3888860.8	1.563645232	0.088301	1.6519466
71.6638888(	411371.66	3888860.8	1.646724714	0.093776	1.740501
91.6638888(	411391.66	3888860.8	1.732853665	0.099674	1.8325281
51.6638888(	411251.66	3888880.8	1.280296421	0.067089	1.3473854
71.6638888(	411271.66	3888880.8	1.344286952	0.070664	1.4149509
91.6638888(	411291.66	3888880.8	1.412816548	0.07453	1.4873465
11.6638888(	411311.66	3888880.8	1.486500498	0.078732	1.5652327
31.6638888(	411331.66	3888880.8	1.565721912	0.08331	1.6490316
51.6638888(	411351.66	3888880.8	1.65163202	0.088349	1.7399814
71.6638888(	411371.66	3888880.8	1.743315738	0.093848	1.8371641
91.6638888(	411391.66	3888880.8	1.839604532	0.099807	1.9394111
51.6638889(	411251.66	3888900.8	1.338834629	0.066966	1.4058006
71.6638889(	411271.66	3888900.8	1.408447691	0.070547	1.4789945
91.6638889(	411291.66	3888900.8	1.483203522	0.074422	1.5576254
11.6638889(	411311.66	3888900.8	1.563850882	0.07863	1.6424811
31.6638889(	411331.66	3888900.8	1.650668453	0.083214	1.7338821
51.6638889(	411351.66	3888900.8	1.744434037	0.088226	1.8326604
71.6638889(	411371.66	3888900.8	1.845213492	0.09371	1.9389238
91.6638889(	411391.66	3888900.8	1.954479263	0.09978	2.0542588
11.6638889(	411411.66	3888900.8	2.071738097	0.106476	2.1782142
51.6638889:	411251.66	3888920.8	1.39864153	0.066762	1.4654033
71.6638889:	411271.66	3888920.8	1.474538758	0.070346	1.5448845
91.6638889:	411291.66	3888920.8	1.556404961	0.074227	1.6306318
11.6638889:	411311.66	3888920.8	1.644867016	0.078441	1.7233081
31.6638889:	411331.66	3888920.8	1.740648607	0.083037	1.8236852
51.6638889:	411351.66	3888920.8	1.844171563	0.088049	1.9322208
71.6638889:	411371.66	3888920.8	1.955470797	0.093512	2.048983
91.6638889:	411391.66	3888920.8	2.078791295	0.099641	2.1784327
11.6638889:	411411.66	3888920.8	2.212896912	0.106449	2.319346
51.6638889<	411251.66	3888940.8	1.45913278	0.066492	1.5256245
71.6638889<	411271.66	3888940.8	1.541724267	0.070064	1.6117879
91.6638889<	411291.66	3888940.8	1.631405012	0.073945	1.7053497
11.6638889<	411311.66	3888940.8	1.728749678	0.078162	1.8069116
31.6638889<	411331.66	3888940.8	1.834654141	0.08276	1.9174145
51.6638889<	411351.66	3888940.8	1.94952674	0.087779	2.0373058
71.6638889<	411371.66	3888940.8	2.073998317	0.09326	2.1672583
91.6638889<	411391.66	3888940.8	2.21242225	0.099404	2.3118266
11.6638889<	411411.66	3888940.8	2.365433344	0.106281	2.4717144
31.6638889<	411431.66	3888940.8	2.531333148	0.113905	2.6452383
51.6638889(	411251.66	3888960.8	1.518849581	0.066128	1.5849781
71.6638889(	411271.66	3888960.8	1.609317351	0.069712	1.6790297
91.6638889(	411291.66	3888960.8	1.707358106	0.073584	1.7809426
11.6638889(	411311.66	3888960.8	1.814606802	0.077805	1.8924115
31.6638889(	411331.66	3888960.8	1.931168019	0.082385	2.0135532
51.6638889(	411351.66	3888960.8	2.058906992	0.087404	2.1463109
71.6638889(	411371.66	3888960.8	2.19851074	0.092903	2.2914136
91.6638889(	411391.66	3888960.8	2.354127596	0.09905	2.4531777
11.6638889(	411411.66	3888960.8	2.527681029	0.105945	2.6336259
31.6638889(	411431.66	3888960.8	2.714282179	0.113482	2.8277641
51.6638889:	411251.66	3888980.8	1.576449299	0.065672	1.6421215
71.6638889:	411271.66	3888980.8	1.675056331	0.069256	1.7443125
91.6638889:	411291.66	3888980.8	1.782459153	0.073128	1.8555874
11.6638889:	411311.66	3888980.8	1.899573002	0.077321	1.9768945
31.6638889:	411331.66	3888980.8	2.02834437	0.081899	2.1102433
51.6638889:	411351.66	3888980.8	2.170309652	0.086918	2.2572273
71.6638889:	411371.66	3888980.8	2.327218068	0.092441	2.4196587
91.6638889:	411391.66	3888980.8	2.502258427	0.098585	2.6008433
11.6638889:	411411.66	3888980.8	2.698846004	0.10548	2.8043256

Max GLC for Chronic Calcs

Max GLC: 0.092813

XY	X	Y	2026	2027	2028	Max
411251.663888860.	411251.66	3888860.8	0.0110361	0.0062013	0.0009413	
411271.663888860.	411271.66	3888860.8	0.0115617	0.0064895	0.000987	
411291.663888860.	411291.66	3888860.8	0.0121254	0.0067978	0.0010362	
411311.663888860.	411311.66	3888860.8	0.0127288	0.0071271	0.0010891	
411331.663888860.	411331.66	3888860.8	0.0133764	0.0074795	0.001146	
411351.663888860.	411351.66	3888860.8	0.014076	0.007859	0.0012078	
411371.663888860.	411371.66	3888860.8	0.0148213	0.0082615	0.0012741	
411391.663888860.	411391.66	3888860.8	0.0155957	0.008677	0.0013437	
411251.663888880.	411251.66	3888880.8	0.0114966	0.0064875	0.00097	
411271.663888880.	411271.66	3888880.8	0.0120636	0.0068004	0.0010184	
411291.663888880.	411291.66	3888880.8	0.0126708	0.0071347	0.0010703	
411311.663888880.	411311.66	3888880.8	0.0133235	0.0074934	0.0011262	
411331.663888880.	411331.66	3888880.8	0.0140253	0.007878	0.0011865	
411351.663888880.	411351.66	3888880.8	0.0147863	0.0082939	0.0012521	
411371.663888880.	411371.66	3888880.8	0.0155989	0.0087362	0.0013226	
411391.663888880.	411391.66	3888880.8	0.0164531	0.0091988	0.0013972	
411251.663888900.	411251.66	3888900.8	0.0119777	0.0067883	0.0009999	
411271.663888900.	411271.66	3888900.8	0.0125893	0.0071279	0.001051	
411291.663888900.	411291.66	3888900.8	0.0132455	0.0074917	0.001106	
411311.663888900.	411311.66	3888900.8	0.0139529	0.0078831	0.0011652	
411331.663888900.	411331.66	3888900.8	0.0147139	0.0083031	0.0012291	
411351.663888900.	411351.66	3888900.8	0.0155354	0.0087552	0.0012983	
411371.663888900.	411371.66	3888900.8	0.016418	0.0092393	0.0013729	
411391.663888900.	411391.66	3888900.8	0.0173747	0.0097619	0.0014541	
411411.663888900.	411411.66	3888900.8	0.0184013	0.0103199	0.0015419	
411251.663888920.	411251.66	3888920.8	0.0124712	0.0070988	0.0010305	
411271.663888920.	411271.66	3888920.8	0.0131329	0.0074689	0.0010847	
411291.663888920.	411291.66	3888920.8	0.0138456	0.0078667	0.0011431	
411311.663888920.	411311.66	3888920.8	0.0146146	0.0082952	0.0012061	
411331.663888920.	411331.66	3888920.8	0.0154461	0.0087573	0.0012744	
411351.663888920.	411351.66	3888920.8	0.0163435	0.0092548	0.0013481	
411371.663888920.	411371.66	3888920.8	0.0173071	0.0097872	0.0014276	
411391.663888920.	411391.66	3888920.8	0.0183735	0.0103746	0.0015156	
411411.663888920.	411411.66	3888920.8	0.0195318	0.0110096	0.0016117	
411251.663888940.	411251.66	3888940.8	0.0129729	0.0074165	0.0010614	
411271.663888940.	411271.66	3888940.8	0.0136884	0.0078196	0.0011189	
411291.663888940.	411291.66	3888940.8	0.0144636	0.0082556	0.0011812	
411311.663888940.	411311.66	3888940.8	0.0153033	0.0087269	0.0012486	
411331.663888940.	411331.66	3888940.8	0.0162148	0.0092374	0.0013218	
411351.663888940.	411351.66	3888940.8	0.0172013	0.0097883	0.001401	
411371.663888940.	411371.66	3888940.8	0.0182678	0.010382	0.0014867	
411391.663888940.	411391.66	3888940.8	0.0194513	0.0110388	0.0015819	
411411.663888940.	411411.66	3888940.8	0.0207564	0.0117603	0.001687	
411431.663888940.	411431.66	3888940.8	0.0221681	0.0125364	0.0018012	
411251.663888960.	411251.66	3888960.8	0.0134707	0.0077342	0.001092	
411271.663888960.	411271.66	3888960.8	0.0142505	0.008177	0.0011535	
411291.663888960.	411291.66	3888960.8	0.0150934	0.0086547	0.00122	
411311.663888960.	411311.66	3888960.8	0.0160128	0.0091747	0.0012924	
411331.663888960.	411331.66	3888960.8	0.0170091	0.009737	0.0013707	
411351.663888960.	411351.66	3888960.8	0.0180977	0.0103497	0.0014562	
411371.663888960.	411371.66	3888960.8	0.0192834	0.011015	0.0015492	
411391.663888960.	411391.66	3888960.8	0.0206009	0.0117518	0.0016525	
411411.663888960.	411411.66	3888960.8	0.0220649	0.0125675	0.0017673	
411431.663888960.	411431.66	3888960.8	0.0236327	0.013436	0.0018905	
411251.663888980.	411251.66	3888980.8	0.013953	0.0080447	0.0011213	
411271.663888980.	411271.66	3888980.8	0.0148001	0.0085295	0.0011871	
411291.663888980.	411291.66	3888980.8	0.0157199	0.0090548	0.0012584	
411311.663888980.	411311.66	3888980.8	0.0167195	0.0096247	0.0013357	
411331.663888980.	411331.66	3888980.8	0.0178148	0.0102479	0.0014202	
411351.663888980.	411351.66	3888980.8	0.0190176	0.0109304	0.0015128	
411371.663888980.	411371.66	3888980.8	0.0203417	0.0116796	0.0016145	
411391.663888980.	411391.66	3888980.8	0.0218124	0.0125089	0.0017271	
411411.663888980.	411411.66	3888980.8	0.0234562	0.0134321	0.0018528	

Cancer Risk Summary

Max Risk: 8.147511

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
31.6638889	411431.66	3888980.8	2.913163972	0.113041	3.0262046
51.6638890	411251.66	3889000.8	1.631541204	0.065138	1.6966791
71.6638890	411271.66	3889000.8	1.737809488	0.068695	1.8065043
91.6638890	411291.66	3889000.8	1.854423298	0.072552	1.9269752
11.6638890	411311.66	3889000.8	1.982266926	0.076727	2.0589941
31.6638890	411331.66	3889000.8	2.122727747	0.08126	2.2039873
51.6638890	411351.66	3889000.8	2.279528454	0.086263	2.3657917
51.6638890	411251.66	3889020.8	1.684156397	0.064562	1.748718
71.6638890	411271.66	3889020.8	1.798732017	0.06811	1.8668416
91.6638890	411291.66	3889020.8	1.925257021	0.071964	1.9972206
11.6638890	411311.66	3889020.8	2.06516132	0.076151	2.1413122
31.6638890	411331.66	3889020.8	2.215564283	0.080581	2.2961455
51.6638890	411351.66	3889020.8	2.387577348	0.085555	2.4731322
51.6638890	411251.66	3889040.8	1.730239843	0.063838	1.7940781
71.6638890	411271.66	3889040.8	1.8530279	0.067377	1.920405
91.6638890	411291.66	3889040.8	1.989411731	0.071228	2.0606399
11.6638890	411311.66	3889040.8	2.141043748	0.075421	2.2164652
31.6638890	411331.66	3889040.8	2.310212921	0.079993	2.3902058
51.6638890	411351.66	3889040.8	2.501369436	0.085039	2.5864081

Max GLC for Chronic Calcs

Max GLC: 0.092813

XY	X	Y	2026	2027	2028	Max
411431.663888980.	411431.66	3888980.8	0.0252381	0.0144273	0.0019889	
411251.663889000.	411251.66	3889000.8	0.0144164	0.0083455	0.0011493	
411271.663889000.	411271.66	3889000.8	0.0153274	0.0088706	0.0012191	
411291.663889000.	411291.66	3889000.8	0.0163237	0.0094441	0.0012952	
411311.663889000.	411311.66	3889000.8	0.017412	0.0100696	0.0013781	
411331.663889000.	411331.66	3889000.8	0.0186031	0.0107528	0.0014684	
411351.663889000.	411351.66	3889000.8	0.0199271	0.0115105	0.0015686	
411251.663889020.	411251.66	3889020.8	0.0148607	0.0086355	0.0011761	
411271.663889020.	411271.66	3889020.8	0.0158419	0.0092052	0.0012503	
411291.663889020.	411291.66	3889020.8	0.0169217	0.0098315	0.0013318	
411311.663889020.	411311.66	3889020.8	0.0181114	0.0105207	0.0014211	
411331.663889020.	411331.66	3889020.8	0.0193848	0.0112569	0.0015164	
411351.663889020.	411351.66	3889020.8	0.0208351	0.0120941	0.0016244	
411251.663889040.	411251.66	3889040.8	0.0152502	0.0088934	0.0011988	
411271.663889040.	411271.66	3889040.8	0.0163014	0.0095078	0.0012776	
411291.663889040.	411291.66	3889040.8	0.0174653	0.0101876	0.0013645	
411311.663889040.	411311.66	3889040.8	0.0187547	0.01094	0.0014603	
411331.663889040.	411331.66	3889040.8	0.0201876	0.0117753	0.0015662	
411351.663889040.	411351.66	3889040.8	0.0217997	0.0127136	0.0016849	

Cal City Substation 115 kilovolt (kV) Upgrade Project

Maximum Individual Non-Cancer Impact Calculations - Sensitive Receptors (Maximum Impacted Senior Residential Receptor) (IMPACT AT ALL OTHER LOCATIONS ON THE PROJECT SITE WOULD BE LESS THAN SHOWN)

Maximum Non-cancer Chronic Hazards / Toxicological Endpoints*

Receptor Group	Pollutant	CREL[1]	CONC	WFrac	$CONC_{WF}$	HI		ALIM	BN	CVS	DEV	ENDC	EYE	HEM	IMMUN	KIDN	NS	REPRO	RESP	SK
Project:																				
MEI - Max	DPM	5.00E+00	9.28E-02	1.00E+00	9.28E-02	0.019		-	-	-	-	-	-	-	-	-	-	-	1.86E-02	-
							Total Risk				-			-				-	0.019	
							Threshold				1.00			1.00				1.00	1.00	
							Over?				NO			NO				NO	NO	

Notes:

1. California Air Resources Board, "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values," "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs," "OEHHA/ARB Approved Acute Reference Exposure Levels and Target Organs," and "OEHHA/ARB Approved 8-Hour Reference Exposure Levels and Target Organs," http://www.arb.ca.gov/toxics/healthval/healthval.htm. Tables last updated: May 8, 2018. Downloaded: 08/14/18.

Source: ESA, 2020

Where:

$CONC_{WF}$	Pollutant Concentration ($\mu g/m^3$) multiplied by the weight fraction
CREL	Chronic Reference Exposure Level
HI	Hazard Index
MEI	Maximally Exposed Individual
WFrac	Weight fraction of speciated component

* Key to Toxicological Endpoints

ALIM	Alimentary Tract	EYE	Eye	NS	Nervous System
BN	Bone	HEM	Hematologic System	REPRO	Reproductive System
CVS	Cardiovascular System	IMMUN	Immune System	RESP	Respiratory System
DEV	Developmental System	KIDN	Kidney	SK	Skin
ENDC	Endocrine System				

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
4119713888860	411971	3888860	0.39593	3.39167	0.4279
4119913888860	411991	3888860	0.37126	2.98606	0.40047
4120113888860	412011	3888860	0.34806	2.66526	0.37606
4120313888860	412031	3888860	0.32662	2.40511	0.35459
4120513888860	412051	3888860	0.30715	2.18954	0.33594
4120713888860	412071	3888860	0.28969	2.00794	0.31969
4120913888860	412091	3888860	0.27391	1.8539	0.30528
4121113888860	412111	3888860	0.25986	1.72097	0.29263
4121313888860	412131	3888860	0.24746	1.6047	0.28148
4121513888860	412151	3888860	0.23657	1.5024	0.27156
4121713888860	412171	3888860	0.22703	1.41205	0.2627
4121913888860	412191	3888860	0.21868	1.33129	0.25475
4122113888860	412211	3888860	0.21135	1.2583	0.24753
4119713888880	411971	3888880	0.41822	3.32318	0.45716
4119913888880	411991	3888880	0.39117	2.92481	0.42813
4120113888880	412011	3888880	0.36617	2.60978	0.4027
4120313888880	412031	3888880	0.34329	2.355	0.38042
4120513888880	412051	3888880	0.32281	2.14406	0.36115
4120713888880	412071	3888880	0.30466	1.96655	0.34427
4120913888880	412091	3888880	0.28845	1.81565	0.32941
4121113888880	412111	3888880	0.27421	1.68568	0.31631
4121313888880	412131	3888880	0.26174	1.57192	0.30465
4121513888880	412151	3888880	0.25086	1.47222	0.29418
4121713888880	412171	3888880	0.24132	1.38372	0.2847
4121913888880	412191	3888880	0.23301	1.30496	0.27612
4122113888880	412211	3888880	0.2257	1.23388	0.26824
4118513888900	411851	3888900	0.66102	12.82679	0.78718
4118713888900	411871	3888900	0.6219	9.08637	0.72457
4118913888900	411891	3888900	0.58373	6.8731	0.66758
4119113888900	411911	3888900	0.54606	5.44672	0.61549
4119313888900	411931	3888900	0.50976	4.47758	0.56902
4119513888900	411951	3888900	0.47536	3.78637	0.52824
4119713888900	411971	3888900	0.44328	3.27293	0.49281
4119913888900	411991	3888900	0.4137	2.87874	0.46207
4120113888900	412011	3888900	0.38675	2.56769	0.43534
4120313888900	412031	3888900	0.36261	2.31585	0.41217
4120513888900	412051	3888900	0.34118	2.10801	0.39195
4120713888900	412071	3888900	0.32241	1.93314	0.37422
4120913888900	412091	3888900	0.3059	1.78395	0.35855
4121113888900	412111	3888900	0.2915	1.65586	0.34458
4121313888900	412131	3888900	0.27897	1.5442	0.332
4121513888900	412151	3888900	0.26806	1.44639	0.32059
4121713888900	412171	3888900	0.25848	1.35962	0.31016
4118513888920	411851	3888920	0.72442	12.83366	0.87432
4118713888920	411871	3888920	0.6777	9.07077	0.79944

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
4118913888920	411891	3888920	0.63226	6.83509	0.73198
4119113888920	411911	3888920	0.58844	5.4063	0.67241
4119313888920	411931	3888920	0.54667	4.43819	0.62034
4119513888920	411951	3888920	0.50766	3.74921	0.57549
4119713888920	411971	3888920	0.47206	3.23773	0.53719
4119913888920	411991	3888920	0.43984	2.84444	0.50427
4120113888920	412011	3888920	0.41098	2.5354	0.47589
4120313888920	412031	3888920	0.38553	2.28522	0.45124
4120513888920	412051	3888920	0.36327	2.07878	0.42963
4120713888920	412071	3888920	0.34389	1.90557	0.4105
4120913888920	412091	3888920	0.32708	1.75774	0.39338
4121113888920	412111	3888920	0.31249	1.63087	0.37789
4121313888920	412131	3888920	0.29976	1.52069	0.36383
4121513888920	412151	3888920	0.28862	1.42391	0.35096
4121713888920	412171	3888920	0.27885	1.33836	0.33912
4118513888940	411851	3888940	0.79724	12.77059	0.98008
4118713888940	411871	3888940	0.742	9.05535	0.88992
4118913888940	411891	3888940	0.68801	6.81415	0.81017
4119113888940	411911	3888940	0.63656	5.37683	0.74152
4119313888940	411931	3888940	0.58858	4.41013	0.68334
4119513888940	411951	3888940	0.5447	3.72452	0.63425
4120513888940	412051	3888940	0.39005	2.05702	0.47543
4120713888940	412071	3888940	0.37015	1.88402	0.45388
4121713888940	412171	3888940	0.30299	1.32051	0.37178
4121913888940	412191	3888940	0.29379	1.24507	0.35896
4122113888940	412211	3888940	0.28548	1.17757	0.34702
4122313888940	412231	3888940	0.27789	1.11671	0.33585
4118513888960	411851	3888960	0.88315	12.85454	1.11378
4118713888960	411871	3888960	0.8152	9.08064	1.00166
4118913888960	411891	3888960	0.75019	6.815	0.90571
4119113888960	411911	3888960	0.69048	5.38022	0.82756
4119313888960	411931	3888960	0.63537	4.40806	0.76213
4119513888960	411951	3888960	0.58689	3.7213	0.70871
4120513888960	412051	3888960	0.42294	2.0442	0.53028
4120713888960	412071	3888960	0.40228	1.8705	0.50516
4121713888960	412171	3888960	0.33148	1.30638	0.40826
4121913888960	412191	3888960	0.32126	1.23105	0.39297
4122113888960	412211	3888960	0.31195	1.16399	0.37882
4122313888960	412231	3888960	0.30321	1.10304	0.36545
4118513888980	411851	3888980	0.98709	12.81025	1.28874
4118713888980	411871	3888980	0.9052	9.08358	1.14868
4118913888980	411891	3888980	0.82804	6.82671	1.03511
4119113888980	411911	3888980	0.7576	5.3855	0.94403
4119313888980	411931	3888980	0.69488	4.4146	0.86976
4119513888980	411951	3888980	0.64015	3.72314	0.80754

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
4120513888980	412051	3888980	0.46397	2.03098	0.5948
4120713888980	412071	3888980	0.44206	1.85576	0.56426
4121713888980	412171	3888980	0.36407	1.29281	0.44765
4121913888980	412191	3888980	0.35245	1.21807	0.42954
4122113888980	412211	3888980	0.34171	1.15145	0.4128
4122313888980	412231	3888980	0.33165	1.09136	0.39717
4119113889000	411911	3889000	0.83785	5.42434	1.10003
4119313889000	411931	3889000	0.76611	4.44477	1.01043
4119513889000	411951	3889000	0.70515	3.74086	0.93406
4119713889000	411971	3889000	0.65377	3.21504	0.86757
4119913889000	411991	3889000	0.61037	2.81082	0.80891
4120113889000	412011	3889000	0.5735	2.49161	0.75681
4120313889000	412031	3889000	0.5419	2.23432	0.71033
4120513889000	412051	3889000	0.51445	2.02326	0.6687
4120713889000	412071	3889000	0.49039	1.84701	0.6313
4120913889000	412091	3889000	0.46896	1.69841	0.59755
4121113889000	412111	3889000	0.44971	1.5721	0.56698
4121313889000	412131	3889000	0.43227	1.46274	0.5392
4119113889020	411911	3889020	0.93896	5.47219	1.31243
4119313889020	411931	3889020	0.85669	4.46343	1.19394
4119513889020	411951	3889020	0.78849	3.74627	1.09302
4119713889020	411971	3889020	0.73172	3.21147	1.00479
4119913889020	411991	3889020	0.68396	2.80334	0.92847
4120113889020	412011	3889020	0.64308	2.48213	0.86162
4120313889020	412031	3889020	0.60761	2.22395	0.80283
4120513889020	412051	3889020	0.57641	2.01299	0.75105
4120713889020	412071	3889020	0.5485	1.83644	0.70461
4120913889020	412091	3889020	0.52347	1.68809	0.66339
4121113889020	412111	3889020	0.50073	1.56128	0.62633
4121313889020	412131	3889020	0.47998	1.45188	0.59295
411251.663888860.7	411251.7	3888861	0.29119	0.22372	0.33356
411271.663888860.7	411271.7	3888861	0.30472	0.23556	0.35101
411291.663888860.7	411291.7	3888861	0.3192	0.24839	0.36981
411311.663888860.7	411311.7	3888861	0.33466	0.26232	0.39003
411331.663888860.7	411331.7	3888861	0.35121	0.27749	0.41182
411351.663888860.7	411351.7	3888861	0.36903	0.29418	0.4355
411371.663888860.7	411371.7	3888861	0.38793	0.31242	0.4609
411391.663888860.7	411391.7	3888861	0.40744	0.33207	0.4875
411251.663888880.7	411251.7	3888881	0.30463	0.22351	0.34868
411271.663888880.7	411271.7	3888881	0.31932	0.23542	0.36782
411291.663888880.7	411291.7	3888881	0.33502	0.2483	0.38842
411311.663888880.7	411311.7	3888881	0.35186	0.2623	0.4107
411331.663888880.7	411331.7	3888881	0.36992	0.27755	0.4348
411351.663888880.7	411351.7	3888881	0.38945	0.29434	0.46111
411371.663888880.7	411371.7	3888881	0.41022	0.31266	0.48942

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
411391.663888880.7	411391.7	3888881	0.43194	0.33251	0.51945
411251.663888900.7	411251.7	3888901	0.31875	0.2231	0.36401
411271.663888900.7	411271.7	3888901	0.3347	0.23503	0.38493
411291.663888900.7	411291.7	3888901	0.35178	0.24794	0.40755
411311.663888900.7	411311.7	3888901	0.37016	0.26196	0.4321
411331.663888900.7	411331.7	3888901	0.38988	0.27723	0.45874
411351.663888900.7	411351.7	3888901	0.41111	0.29393	0.48773
411371.663888900.7	411371.7	3888901	0.43384	0.3122	0.51917
411391.663888900.7	411391.7	3888901	0.45838	0.33242	0.55359
411411.663888900.7	411411.7	3888901	0.48458	0.35473	0.59096
411251.663888920.7	411251.7	3888921	0.33333	0.22242	0.37918
411271.663888920.7	411271.7	3888921	0.35071	0.23436	0.40202
411291.663888920.7	411291.7	3888921	0.36939	0.24729	0.42687
411311.663888920.7	411311.7	3888921	0.38951	0.26133	0.45393
411331.663888920.7	411331.7	3888921	0.41121	0.27664	0.4835
411351.663888920.7	411351.7	3888921	0.43457	0.29334	0.51576
411371.663888920.7	411371.7	3888921	0.45957	0.31154	0.55081
411391.663888920.7	411391.7	3888921	0.48715	0.33196	0.59003
411411.663888920.7	411411.7	3888921	0.51697	0.35464	0.63323
411251.663888940.7	411251.7	3888941	0.34825	0.22152	0.39397
411271.663888940.7	411271.7	3888941	0.36718	0.23342	0.41877
411291.663888940.7	411291.7	3888941	0.38765	0.24635	0.44597
411311.663888940.7	411311.7	3888941	0.40978	0.2604	0.47578
411331.663888940.7	411331.7	3888941	0.43375	0.27572	0.50855
411351.663888940.7	411351.7	3888941	0.45962	0.29244	0.54451
411371.663888940.7	411371.7	3888941	0.4875	0.3107	0.58396
411391.663888940.7	411391.7	3888941	0.51834	0.33117	0.62836
411411.663888940.7	411411.7	3888941	0.55222	0.35408	0.67811
411431.663888940.7	411431.7	3888941	0.58866	0.37948	0.73299
411251.663888960.7	411251.7	3888961	0.36317	0.22031	0.40796
411271.663888960.7	411271.7	3888961	0.38396	0.23225	0.43495
411291.663888960.7	411291.7	3888961	0.40639	0.24515	0.46452
411311.663888960.7	411311.7	3888961	0.43081	0.25921	0.49724
411331.663888960.7	411331.7	3888961	0.45721	0.27447	0.53325
411351.663888960.7	411351.7	3888961	0.48598	0.29119	0.57323
411371.663888960.7	411371.7	3888961	0.51722	0.30951	0.61757
411391.663888960.7	411391.7	3888961	0.55182	0.32999	0.66771
411411.663888960.7	411411.7	3888961	0.59012	0.35296	0.72455
411431.663888960.7	411431.7	3888961	0.6309	0.37807	0.78694
411251.663888980.7	411251.7	3888981	0.37775	0.21879	0.42085
411271.663888980.7	411271.7	3888981	0.40051	0.23073	0.44995
411291.663888980.7	411291.7	3888981	0.42518	0.24363	0.48203
411311.663888980.7	411311.7	3888981	0.45194	0.2576	0.51746
411331.663888980.7	411331.7	3888981	0.4812	0.27285	0.55694
411351.663888980.7	411351.7	3888981	0.51325	0.28957	0.60113

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
411371.663888980.7	411371.7	3888981	0.54843	0.30797	0.65075
411391.663888980.7	411391.7	3888981	0.58737	0.32844	0.70708
411411.663888980.7	411411.7	3888981	0.63072	0.35141	0.77157
411431.663888980.7	411431.7	3888981	0.67745	0.3766	0.84357
411251.663889000.7	411251.7	3889001	0.39187	0.21701	0.43262
411271.663889000.7	411271.7	3889001	0.41653	0.22886	0.46356
411291.663889000.7	411291.7	3889001	0.44346	0.24171	0.49793
411311.663889000.7	411311.7	3889001	0.47283	0.25562	0.5361
411331.663889000.7	411331.7	3889001	0.50491	0.27072	0.57864
411351.663889000.7	411351.7	3889001	0.54049	0.28739	0.62687
411251.663889020.7	411251.7	3889021	0.40549	0.21509	0.44343
411271.663889020.7	411271.7	3889021	0.43224	0.22691	0.47627
411291.663889020.7	411291.7	3889021	0.46165	0.23975	0.51295
411311.663889020.7	411311.7	3889021	0.49401	0.2537	0.55402
411331.663889020.7	411331.7	3889021	0.52858	0.26846	0.59887
411351.663889020.7	411351.7	3889021	0.56789	0.28503	0.65089
411251.663889040.7	411251.7	3889041	0.4176	0.21268	0.45232
411271.663889040.7	411271.7	3889041	0.44645	0.22447	0.48693
411291.663889040.7	411291.7	3889041	0.47837	0.2373	0.52577
411311.663889040.7	411311.7	3889041	0.5137	0.25127	0.56946
411331.663889040.7	411331.7	3889041	0.55292	0.2665	0.61883
411351.663889040.7	411351.7	3889041	0.59698	0.28331	0.67544

Receptor Locations

XY	X	Y
4119713888860	411971	3888860
4119913888860	411991	3888860
4120113888860	412011	3888860
4120313888860	412031	3888860
4120513888860	412051	3888860
4120713888860	412071	3888860
4120913888860	412091	3888860
4121113888860	412111	3888860
4121313888860	412131	3888860
4121513888860	412151	3888860
4121713888860	412171	3888860
4121913888860	412191	3888860
4122113888860	412211	3888860
4119713888880	411971	3888880
4119913888880	411991	3888880
4120113888880	412011	3888880
4120313888880	412031	3888880
4120513888880	412051	3888880
4120713888880	412071	3888880
4120913888880	412091	3888880
4121113888880	412111	3888880
4121313888880	412131	3888880
4121513888880	412151	3888880
4121713888880	412171	3888880
4121913888880	412191	3888880
4122113888880	412211	3888880
4118513888900	411851	3888900
4118713888900	411871	3888900
4118913888900	411891	3888900
4119113888900	411911	3888900
4119313888900	411931	3888900
4119513888900	411951	3888900
4119713888900	411971	3888900
4119913888900	411991	3888900
4120113888900	412011	3888900
4120313888900	412031	3888900
4120513888900	412051	3888900
4120713888900	412071	3888900
4120913888900	412091	3888900
4121113888900	412111	3888900
4121313888900	412131	3888900
4121513888900	412151	3888900
4121713888900	412171	3888900
4118513888920	411851	3888920
4118713888920	411871	3888920

Receptor Locations

XY	X	Y
4118913888920	411891	3888920
4119113888920	411911	3888920
4119313888920	411931	3888920
4119513888920	411951	3888920
4119713888920	411971	3888920
4119913888920	411991	3888920
4120113888920	412011	3888920
4120313888920	412031	3888920
4120513888920	412051	3888920
4120713888920	412071	3888920
4120913888920	412091	3888920
4121113888920	412111	3888920
4121313888920	412131	3888920
4121513888920	412151	3888920
4121713888920	412171	3888920
4118513888940	411851	3888940
4118713888940	411871	3888940
4118913888940	411891	3888940
4119113888940	411911	3888940
4119313888940	411931	3888940
4119513888940	411951	3888940
4120513888940	412051	3888940
4120713888940	412071	3888940
4121713888940	412171	3888940
4121913888940	412191	3888940
4122113888940	412211	3888940
4122313888940	412231	3888940
4118513888960	411851	3888960
4118713888960	411871	3888960
4118913888960	411891	3888960
4119113888960	411911	3888960
4119313888960	411931	3888960
4119513888960	411951	3888960
4120513888960	412051	3888960
4120713888960	412071	3888960
4121713888960	412171	3888960
4121913888960	412191	3888960
4122113888960	412211	3888960
4122313888960	412231	3888960
4118513888980	411851	3888980
4118713888980	411871	3888980
4118913888980	411891	3888980
4119113888980	411911	3888980
4119313888980	411931	3888980
4119513888980	411951	3888980

Receptor Locations

XY	X	Y
4120513888980	412051	3888980
4120713888980	412071	3888980
4121713888980	412171	3888980
4121913888980	412191	3888980
4122113888980	412211	3888980
4122313888980	412231	3888980
4119113889000	411911	3889000
4119313889000	411931	3889000
4119513889000	411951	3889000
4119713889000	411971	3889000
4119913889000	411991	3889000
4120113889000	412011	3889000
4120313889000	412031	3889000
4120513889000	412051	3889000
4120713889000	412071	3889000
4120913889000	412091	3889000
4121113889000	412111	3889000
4121313889000	412131	3889000
4119113889020	411911	3889020
4119313889020	411931	3889020
4119513889020	411951	3889020
4119713889020	411971	3889020
4119913889020	411991	3889020
4120113889020	412011	3889020
4120313889020	412031	3889020
4120513889020	412051	3889020
4120713889020	412071	3889020
4120913889020	412091	3889020
4121113889020	412111	3889020
4121313889020	412131	3889020
411251.663888860.76	411251.7	3888861
411271.663888860.76	411271.7	3888861
411291.663888860.76	411291.7	3888861
411311.663888860.76	411311.7	3888861
411331.663888860.76	411331.7	3888861
411351.663888860.76	411351.7	3888861
411371.663888860.76	411371.7	3888861
411391.663888860.76	411391.7	3888861
411251.663888880.76	411251.7	3888881
411271.663888880.76	411271.7	3888881
411291.663888880.76	411291.7	3888881
411311.663888880.76	411311.7	3888881
411331.663888880.76	411331.7	3888881
411351.663888880.76	411351.7	3888881
411371.663888880.76	411371.7	3888881

Receptor Locations

XY	X	Y
411391.663888880.76	411391.7	3888881
411251.663888900.76	411251.7	3888901
411271.663888900.76	411271.7	3888901
411291.663888900.76	411291.7	3888901
411311.663888900.76	411311.7	3888901
411331.663888900.76	411331.7	3888901
411351.663888900.76	411351.7	3888901
411371.663888900.76	411371.7	3888901
411391.663888900.76	411391.7	3888901
411411.663888900.76	411411.7	3888901
411251.663888920.76	411251.7	3888921
411271.663888920.76	411271.7	3888921
411291.663888920.76	411291.7	3888921
411311.663888920.76	411311.7	3888921
411331.663888920.76	411331.7	3888921
411351.663888920.76	411351.7	3888921
411371.663888920.76	411371.7	3888921
411391.663888920.76	411391.7	3888921
411411.663888920.76	411411.7	3888921
411251.663888940.76	411251.7	3888941
411271.663888940.76	411271.7	3888941
411291.663888940.76	411291.7	3888941
411311.663888940.76	411311.7	3888941
411331.663888940.76	411331.7	3888941
411351.663888940.76	411351.7	3888941
411371.663888940.76	411371.7	3888941
411391.663888940.76	411391.7	3888941
411411.663888940.76	411411.7	3888941
411431.663888940.76	411431.7	3888941
411251.663888960.76	411251.7	3888961
411271.663888960.76	411271.7	3888961
411291.663888960.76	411291.7	3888961
411311.663888960.76	411311.7	3888961
411331.663888960.76	411331.7	3888961
411351.663888960.76	411351.7	3888961
411371.663888960.76	411371.7	3888961
411391.663888960.76	411391.7	3888961
411411.663888960.76	411411.7	3888961
411431.663888960.76	411431.7	3888961
411251.663888980.76	411251.7	3888981
411271.663888980.76	411271.7	3888981
411291.663888980.76	411291.7	3888981
411311.663888980.76	411311.7	3888981
411331.663888980.76	411331.7	3888981
411351.663888980.76	411351.7	3888981

Receptor Locations

XY	X	Y
411371.663888980.76	411371.7	3888981
411391.663888980.76	411391.7	3888981
411411.663888980.76	411411.7	3888981
411431.663888980.76	411431.7	3888981
411251.663889000.76	411251.7	3889001
411271.663889000.76	411271.7	3889001
411291.663889000.76	411291.7	3889001
411311.663889000.76	411311.7	3889001
411331.663889000.76	411331.7	3889001
411351.663889000.76	411351.7	3889001
411251.663889020.76	411251.7	3889021
411271.663889020.76	411271.7	3889021
411291.663889020.76	411291.7	3889021
411311.663889020.76	411311.7	3889021
411331.663889020.76	411331.7	3889021
411351.663889020.76	411351.7	3889021
411251.663889040.76	411251.7	3889041
411271.663889040.76	411271.7	3889041
411291.663889040.76	411291.7	3889041
411311.663889040.76	411311.7	3889041
411331.663889040.76	411331.7	3889041
411351.663889040.76	411351.7	3889041

Cal City Substation 115 kilovolt (kV) Upgrade Project

Construction Modeling Assumptions -Mitigated

AERMOD Sources

PolyArea		
Offroad Construction Exhaust		
Release Height	5	m
Emissions rate	1	g/s
Intial Vertical Dimension	1.4	m
SCAQMD LST Guidance, 2008		
Line Volume		
Onroad Hauling Exhaust		
Vehicle Height	14	ft
Vehicle Width	8.5	ft
Plume Height	7.25	m
Plume Width	8.59	m
Release Height	3.63	m
Emissions rate	1	g/s
EPA Haul Road Guidance & Caltrans Heigh & Low Clearance Guidance[1]		

[1] USEPA Haul Road Workgroup Final Report Dec 6, 2011, Page 4.

https://www.epa.gov/sites/default/files/2020-10/documents/haul_road_workgroup-final_report_package-20120302.pdf

Meteorology: Edwards Air Base

Cal City Substation 115 kilovolt (kV) Upgrade Project

Health Risk Assessment Risk Factors

Residential Risk	Abbreviation	UOM	3rd Trimester	0<2	2<16	16<30
Daily Breathing Rate (95th %'ile)	DBR	L/kg-day	361	1090	745	261
Fraction Of Time At Home [a]	FAH	unitless	1	1	1	0.73
Exposure Frequency	EF	days/year	0.96	0.96	0.96	0.96
Age Sensitivity Factor	ASF	unitless	10	10	3	1
Inhalation Absorption Factor	A	unitless	1	1	1	1
Conversion Factor	CF_1	m^3/L	0.001	0.001	0.001	0.001
Conversion Factor	CF_2	$\mu g/m^3$	0.001	0.001	0.001	0.001
Cancer Potency Factor (diesel exhaust)	CPF	$mg/kg\text{-}day^{-1}$	1.1	1.1	1.1	1.1
Averaging Time (for residential exposure)	AT	years	70.00	70.00	70.00	70.00

[a] assume school or daycare will have cancer risk of >1 per million

Cal City Substation 115 kilovolt (kV) Upgrade Project

Health Risk Assessment Exposure Duration Assumptions for Offroad Equipment
Residential Receptors

	Start Date	*3/2/2026*	*6/1/2026*	*6/1/2028*	
OFFROAD	*End Date*	*5/31/2026*	*5/31/2028*	*5/29/2042*	

	3/2/2026	*3/24/2028*	*Days*	*90*	*730*	*5110*
Phase	Start Date	End Date	Duration (days)	3rd Tri	0<2	02<16
Cal City Substation Civil Crew (Site Grading)	3/2/2026	6/26/2026	117	91	26	0
Cal City Substation Civil Crew (Channel Install & Additions)	6/29/2026	10/30/2026	124	0	124	0
Cal City Substation Civil Crew (Foundation)	7/6/2026	12/31/2026	179	0	179	0
Cal City Substation Electrical Crew	1/4/2027	10/1/2027	271	0	271	0
Cal City Substation Maintenance Crew	7/19/2027	9/10/2027	54	0	54	0
Cal City Substation Test Crew	7/19/2027	9/10/2027	54	0	54	0
Cal City Substation Test Crew and Wireman (Cutover)	9/13/2027	10/8/2027	26	0	26	0
Cal City Substation Demolition - Test Crew	10/18/2027	10/29/2027	12	0	12	0
Cal City Substation Demolition - Maintenance Crew	10/18/2027	10/29/2027	12	0	12	0
Cal City Substation Demolition - Electrical Crew	11/1/2027	12/31/2027	61	0	61	0
Cal City Substation Demolition - Civil Crew	1/3/2028	3/24/2028	82	0	82	0
Staging Areas	3/2/2026	2/26/2028	727	91	636	0

Intake Factor for Inhalation, IF (m^3/kg-day)

Phase	Year	Year	Equation	3rd Trimester	0<2	2<16
Cal City Substation Civil Crew (Site Grading)	2026			0.012329142	0.010636142	0
Cal City Substation Civil Crew (Channel Install & Additions)	2026		$\frac{DBR \cdot FAH \cdot EF \cdot ED \cdot ASF \cdot A \cdot CF_1}{AT}$	0	0.050726215	0
Cal City Substation Civil Crew (Foundation)	2026			0	0.073225746	0
Cal City Substation Electrical Crew	2027			0	0.110861325	0
Cal City Substation Maintenance Crew	2027			0	0.022090448	0
Cal City Substation Test Crew	2027			0	0.022090448	0
Cal City Substation Test Crew and Wireman (Cutover)	2027			0	0.010636142	0
Cal City Substation Demolition - Test Crew	2027			0	0.004908989	0
Cal City Substation Demolition - Maintenance Crew	2027			0	0.004908989	0
Cal City Substation Demolition - Electrical Crew	2027			0	0.024954025	0
Cal City Substation Demolition - Civil Crew	2028			0	0.033544755	0
Staging Areas	2026			0.012329142	0.260176393	0

Risk Calculation Part 1, R1

Equation	3rd Trimester	0<2	2<16
	1.35621E-05	1.16998E-05	0
	0	5.57988E-05	0
$IF \cdot CPF \cdot CF_2$	0	8.05483E-05	0
	0	0.000121947	0
	0	2.42995E-05	0
	0	2.42995E-05	0
	0	1.16998E-05	0
	0	5.39989E-06	0
	0	5.39989E-06	0
	0	2.74494E-05	0
	0	3.68992E-05	0
	1.35621E-05	0.000286194	0

Cal City Substation 115 kilovolt (kV) Upgrade Project

Offroad DPM Emissions, Ground Level Concentrations and Health Risk Calculations
Residential Receptors

	Phase	Year	Emissions (lbs/day)	Work Hours Per Day	Emissions (g/s)
S-01	Cal City Substation Civil Crew (Site Grading)	2026	0.23193277	9	0.003246987
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	2026	0.126372935	9	0.001769182
S-03	Cal City Substation Civil Crew (Foundation)	2026	0.229384066	9	0.003211306
S-04	Cal City Substation Electrical Crew	2027	0.12394139	9	0.001735141
S-05	Cal City Substation Maintenance Crew	2027	0	9	0
S-06	Cal City Substation Test Crew	2027	0	9	0
S-07	Cal City Substation Test Crew and Wireman (Cutover)	2027	0	9	0
S-08	Cal City Substation Demolition - Test Crew	2027	0	9	0
S-09	Cal City Substation Demolition - Maintenance Crew	2027	0	9	0
S-10	Cal City Substation Demolition - Electrical Crew	2027	0.12394139	9	0.001735141
S-11	Cal City Substation Demolition - Civil Crew	2028	0.106682906	9	0.001493528
L-01	Staging Areas	2026	0.230683708	9	0.003229501

AERMOD Column Identifier:			*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*4*	*6*				
			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4119713888860	411971	3888860	0.00128558	0.000700472	0.001271452	0.000686994	0	0	0	0	0	0.000686994	0.000591332	0.001381903	3.61766E-08	6.76487E-07	7.12663E-07	0.712663456
4119913888860	411991	3888860	0.001205476	0.000656827	0.00119223	0.000644189	0	0	0	0	0	0.000644189	0.000554487	0.001293318	3.38888E-08	6.33626E-07	6.67515E-07	0.667514659
4120113888860	412011	3888860	0.001130146	0.000615782	0.001117727	0.000603933	0	0	0	0	0	0.000603933	0.000519837	0.001214486	3.1798E-08	5.94599E-07	6.26397E-07	0.626397413
4120313888860	412031	3888860	0.001060531	0.00057785	0.001048877	0.000566732	0	0	0	0	0	0.000566732	0.000487816	0.001145149	2.99136E-08	5.59539E-07	5.89453E-07	0.589452859
4120513888860	412051	3888860	0.000997312	0.000543404	0.000986353	0.000532949	0	0	0	0	0	0.000532949	0.000458737	0.001084918	2.82393E-08	5.28484E-07	5.56723E-07	0.556723115
4120713888860	412071	3888860	0.00094062	0.000512514	0.000930283	0.000502653	0	0	0	0	0	0.000502653	0.00043266	0.001032439	2.67587E-08	5.01073E-07	5.27832E-07	0.527831744
4120913888860	412091	3888860	0.000889382	0.000484597	0.000879609	0.000475273	0	0	0	0	0	0.000475273	0.000409092	0.000985902	2.54327E-08	4.76555E-07	5.01988E-07	0.501987897
4121113888860	412111	3888860	0.000843762	0.00045974	0.00083449	0.000450894	0	0	0	0	0	0.000450894	0.000388108	0.000945049	2.426E-08	4.54892E-07	4.79152E-07	0.479151816
4121313888860	412131	3888860	0.000803499	0.000437802	0.00079467	0.000429378	0	0	0	0	0	0.000429378	0.000369588	0.00090904	2.32256E-08	4.35786E-07	4.59012E-07	0.459011504
4121513888860	412151	3888860	0.00076814	0.000418535	0.000759699	0.000410482	0	0	0	0	0	0.000410482	0.000353324	0.000877003	2.23115E-08	4.18889E-07	4.412E-07	0.441200062
4121713888860	412171	3888860	0.000737164	0.000401657	0.000729063	0.000393929	0	0	0	0	0	0.000393929	0.000339076	0.00084839	2.15034E-08	4.03929E-07	4.25432E-07	0.425432319
4121913888860	412191	3888860	0.000710051	0.000386885	0.000702248	0.000379441	0	0	0	0	0	0.000379441	0.000326605	0.000822715	2.07875E-08	3.90655E-07	4.11442E-07	0.411442467
4122113888860	412211	3888860	0.000686251	0.000373917	0.00067871	0.000366722	0	0	0	0	0	0.000366722	0.000315657	0.000799398	2.01485E-08	3.7878E-07	3.98928E-07	0.398928119
4119713888880	411971	3888880	0.001357955	0.000739907	0.001343032	0.000725671	0	0	0	0	0	0.000725671	0.000624623	0.001476399	3.84397E-08	7.1935E-07	7.5779E-07	0.757789899
4119913888880	411991	3888880	0.001270124	0.000692051	0.001256167	0.000678735	0	0	0	0	0	0.000678735	0.000584223	0.001382646	3.5977E-08	6.73321E-07	7.09298E-07	0.709298293
4120113888880	412011	3888880	0.001188949	0.000647821	0.001175884	0.000635357	0	0	0	0	0	0.000635357	0.000546885	0.00130052	3.37623E-08	6.32075E-07	6.65837E-07	0.665836886
4120313888880	412031	3888880	0.001114658	0.000607343	0.001102409	0.000595657	0	0	0	0	0	0.000595657	0.000512713	0.001228567	3.17789E-08	5.95244E-07	6.27023E-07	0.627022811
4120513888880	412051	3888880	0.00104816	0.00057111	0.001036642	0.000560121	0	0	0	0	0	0.000560121	0.000482126	0.001166334	3.00331E-08	5.62898E-07	5.92932E-07	0.592931588
4120713888880	412071	3888880	0.000989227	0.000538999	0.000978357	0.000528628	0	0	0	0	0	0.000528628	0.000455018	0.00111182	2.84945E-08	5.34416E-07	5.6291E-07	0.562910255
4120913888880	412091	3888880	0.000936593	0.000510321	0.000926301	0.000500501	0	0	0	0	0	0.000500501	0.000430808	0.00106383	2.71299E-08	5.09177E-07	5.36307E-07	0.53630667
4121113888880	412111	3888880	0.000890356	0.000485127	0.000880572	0.000475793	0	0	0	0	0	0.000475793	0.00040954	0.001021523	2.5929E-08	4.86963E-07	5.12892E-07	0.51289175
4121313888880	412131	3888880	0.000849866	0.000463066	0.000840527	0.000454156	0	0	0	0	0	0.000454156	0.000390916	0.000983867	2.48692E-08	4.67336E-07	4.92205E-07	0.492204964
4121513888880	412151	3888880	0.000814539	0.000443817	0.000805588	0.000435278	0	0	0	0	0	0.000435278	0.000374666	0.000950055	2.39315E-08	4.49937E-07	4.73869E-07	0.473868625
4121713888880	412171	3888880	0.000783563	0.000426939	0.000774952	0.000418724	0	0	0	0	0	0.000418724	0.000360418	0.000919439	2.30962E-08	4.34404E-07	4.57501E-07	0.457500683
4121913888880	412191	3888880	0.00075658	0.000412237	0.000748266	0.000404305	0	0	0	0	0	0.000404305	0.000348007	0.00089173	2.23545E-08	4.20577E-07	4.42931E-07	0.442931101
4122113888880	412211	3888880	0.000732845	0.000399304	0.000724792	0.000391621	0	0	0	0	0	0.000391621	0.000337089	0.000866281	2.16874E-08	4.08105E-07	4.29793E-07	0.429792907
4118513888900	411851	3888900	0.002146323	0.001169465	0.002122738	0.001146963	0	0	0	0	0	0.001146963	0.000987252	0.002542198	6.3586E-08	1.19669E-06	1.26028E-06	1.260278714
4118713888900	411871	3888900	0.002019301	0.001100254	0.001997111	0.001079084	0	0	0	0	0	0.001079084	0.000928825	0.002339999	5.91211E-08	1.11106E-06	1.17018E-06	1.170181891
4118913888900	411891	3888900	0.001895364	0.001032725	0.001874536	0.001012854	0	0	0	0	0	0.001012854	0.000871817	0.00215595	5.49441E-08	1.0313E-06	1.08624E-06	1.086241634
4119113888900	411911	3888900	0.00177305	0.00096608	0.001753566	0.000947491	0	0	0	0	0	0.000947491	0.000815556	0.001987725	5.10038E-08	9.56418E-07	1.00742E-06	1.007421755
4119313888900	411931	3888900	0.001655184	0.000901858	0.001636995	0.000884506	0	0	0	0	0	0.000884506	0.000761341	0.00183765	4.737E-08	8.87705E-07	9.35075E-07	0.935075015
4119513888900	411951	3888900	0.001543488	0.000840998	0.001526526	0.000824817	0	0	0	0	0	0.000824817	0.000709963	0.001705951	4.40691E-08	8.256E-07	8.69669E-07	0.869668663
4119713888900	411971	3888900	0.001439324	0.000784243	0.001423508	0.000769153	0	0	0	0	0	0.000769153	0.000662051	0.00159153	4.11046E-08	7.70086E-07	8.1119E-07	0.81119013
4119913888900	411991	3888900	0.001343279	0.000731911	0.001328517	0.000717828	0	0	0	0	0	0.000717828	0.000617872	0.001492255	3.84557E-08	7.2068E-07	7.59136E-07	0.759136167
4120113888900	412011	3888900	0.001255772	0.000684231	0.001241973	0.000671066	0	0	0	0	0	0.000671066	0.000577622	0.001405931	3.60982E-08	6.76848E-07	7.12946E-07	0.712946479
4120313888900	412031	3888900	0.00117739	0.000641523	0.001164452	0.00062918	0	0	0	0	0	0.00062918	0.000541568	0.001331103	3.40203E-08	6.38301E-07	6.72321E-07	0.672321113
4120513888900	412051	3888900	0.001107807	0.00060361	0.001095633	0.000591995	0	0	0	0	0	0.000591995	0.000509562	0.001265803	3.2191E-08	6.04403E-07	6.36594E-07	0.636594174

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4120713888900	412071	3888900	0.001046861	0.000570402	0.001035357	0.000559427	0	0	0	0	0	0.000559427	0.000481528	0.001208544	3.05879E-08	5.74695E-07	6.05283E-07	0.605282667
4120913888900	412091	3888900	0.000993253	0.000541193	0.000982339	0.00053078	0	0	0	0	0	0.00053078	0.00045687	0.001157937	2.91746E-08	5.48494E-07	5.77669E-07	0.577668829
4121113888900	412111	3888900	0.000946497	0.000515717	0.000936096	0.000505794	0	0	0	0	0	0.000505794	0.000435363	0.001112821	2.79286E-08	5.25363E-07	5.53291E-07	0.553291095
4121313888900	412131	3888900	0.000905812	0.000493549	0.000895858	0.000484052	0	0	0	0	0	0.000484052	0.000416649	0.001072194	2.68258E-08	5.04843E-07	5.31668E-07	0.531668468
4121513888900	412151	3888900	0.000870387	0.000474247	0.000860823	0.000465122	0	0	0	0	0	0.000465122	0.000400355	0.001035346	2.58457E-08	4.86554E-07	5.124E-07	0.512399537
4121713888900	412171	3888900	0.000839281	0.000457298	0.000830058	0.000448499	0	0	0	0	0	0.000448499	0.000386047	0.001001662	2.4967E-08	4.70115E-07	4.95082E-07	0.495081786
4118513888920	411851	3888920	0.002352182	0.001281631	0.002326334	0.001256971	0	0	0	0	0	0.001256971	0.001081941	0.002823617	7.01945E-08	1.32223E-06	1.39242E-06	1.392422994
4118713888920	411871	3888920	0.002200483	0.001198975	0.002176302	0.001175905	0	0	0	0	0	0.001175905	0.001012164	0.002581792	6.48575E-08	1.21986E-06	1.28472E-06	1.284719596
4118913888920	411891	3888920	0.00205294	0.001118583	0.00203038	0.00109706	0	0	0	0	0	0.00109706	0.000944298	0.00236393	5.99018E-08	1.12526E-06	1.18516E-06	1.185164012
4119113888920	411911	3888920	0.001910657	0.001041058	0.001889661	0.001021026	0	0	0	0	0	0.001021026	0.000878851	0.002171549	5.53631E-08	1.0391E-06	1.09447E-06	1.094467506
4119313888920	411931	3888920	0.00177503	0.000967159	0.001755525	0.00094855	0	0	0	0	0	0.00094855	0.000816467	0.002003388	5.12431E-08	9.61334E-07	1.01258E-06	1.012576641
4119513888920	411951	3888920	0.001648366	0.000898143	0.001630252	0.000880862	0	0	0	0	0	0.000880862	0.000758204	0.001858545	4.75609E-08	8.92195E-07	9.39756E-07	0.939755519
4119713888920	411971	3888920	0.001532773	0.00083516	0.001515929	0.000819091	0	0	0	0	0	0.000819091	0.000705035	0.001734855	4.43158E-08	8.3153E-07	8.75845E-07	0.875845471
4119913888920	411991	3888920	0.001428155	0.000778157	0.001412461	0.000763185	0	0	0	0	0	0.000763185	0.000656913	0.00162854	4.14551E-08	7.78236E-07	8.19691E-07	0.81969125
4120113888920	412011	3888920	0.001334447	0.000727098	0.001319783	0.000713108	0	0	0	0	0	0.000713108	0.00061381	0.001536887	3.89412E-08	7.31523E-07	7.70465E-07	0.77046461
4120313888920	412031	3888920	0.001251811	0.000682073	0.001238055	0.000668949	0	0	0	0	0	0.000668949	0.0005758	0.00145728	3.67408E-08	6.90678E-07	7.27419E-07	0.727419107
4120513888920	412051	3888920	0.001179533	0.000642691	0.001166571	0.000630325	0	0	0	0	0	0.000630325	0.000542554	0.00138749	3.48141E-08	6.54907E-07	6.89721E-07	0.689720954
4120713888920	412071	3888920	0.001116606	0.000608404	0.001104336	0.000596698	0	0	0	0	0	0.000596698	0.000513609	0.00132571	3.31228E-08	6.23472E-07	6.56594E-07	0.656594377
4120913888920	412091	3888920	0.001062025	0.000578664	0.001050354	0.00056753	0	0	0	0	0	0.00056753	0.000488503	0.001270421	3.16328E-08	5.95718E-07	6.27351E-07	0.627350725
4121113888920	412111	3888920	0.001014651	0.000552852	0.001003501	0.000542214	0	0	0	0	0	0.000542214	0.000466712	0.001220396	3.03118E-08	5.71046E-07	6.01358E-07	0.601358325
4121313888920	412131	3888920	0.000973317	0.00053033	0.000962621	0.000520126	0	0	0	0	0	0.000520126	0.0004477	0.001174989	2.91354E-08	5.49017E-07	5.78152E-07	0.578152216
4121513888920	412151	3888920	0.000937145	0.000510621	0.000926847	0.000500796	0	0	0	0	0	0.000500796	0.000431062	0.001133426	2.80812E-08	5.29215E-07	5.57297E-07	0.557296554
4121713888920	412171	3888920	0.000905422	0.000493336	0.000895473	0.000483844	0	0	0	0	0	0.000483844	0.00041647	0.001095188	2.71324E-08	5.11338E-07	5.38471E-07	0.538470623
4118513888940	411851	3888940	0.002588628	0.001410463	0.002560182	0.001383324	0	0	0	0	0	0.001383324	0.0011907	0.003165169	7.80333E-08	1.47166E-06	1.54969E-06	1.549692858
4118713888940	411871	3888940	0.002409264	0.001312733	0.002382789	0.001287475	0	0	0	0	0	0.001287475	0.001108198	0.002873997	7.16519E-08	1.34912E-06	1.42078E-06	1.420775573
4118913888940	411891	3888940	0.00223396	0.001217215	0.002209411	0.001193794	0	0	0	0	0	0.001193794	0.001027562	0.002616445	6.57815E-08	1.2371E-06	1.30288E-06	1.302877998
4119113888940	411911	3888940	0.002066902	0.001126191	0.002044189	0.001104521	0	0	0	0	0	0.001104521	0.00095072	0.002394739	6.0509E-08	1.13713E-06	1.19764E-06	1.197640424
4119313888940	411931	3888940	0.001911112	0.001041305	0.001890111	0.001021269	0	0	0	0	0	0.001021269	0.000879061	0.002206847	5.5848E-08	1.04931E-06	1.10515E-06	1.105153953
4119513888940	411951	3888940	0.001768634	0.000963673	0.001749198	0.000945131	0	0	0	0	0	0.000945131	0.000813525	0.002048311	5.17656E-08	9.72792E-07	1.02456E-06	1.024557517
4120513888940	412051	3888940	0.001266487	0.000690069	0.00125257	0.000676792	0	0	0	0	0	0.000676792	0.000582551	0.001535402	3.79994E-08	7.16244E-07	7.54243E-07	0.754243457
4120713888940	412071	3888940	0.001201872	0.000654863	0.001188665	0.000642263	0	0	0	0	0	0.000642263	0.000552829	0.001465806	3.61792E-08	6.82203E-07	7.18382E-07	0.718382223
4121713888940	412171	3888940	0.000983805	0.000536044	0.000972994	0.00052573	0	0	0	0	0	0.00052573	0.000452524	0.001200664	2.96259E-08	5.58657E-07	5.88283E-07	0.588282904
4121913888940	412191	3888940	0.000953932	0.000519768	0.00094345	0.000509767	0	0	0	0	0	0.000509767	0.000438784	0.001159262	2.86593E-08	5.40279E-07	5.68938E-07	0.568937906
4122113888940	412211	3888940	0.00092695	0.000505066	0.000916764	0.000495348	0	0	0	0	0	0.000495348	0.000426372	0.001120701	2.77704E-08	5.23345E-07	5.51116E-07	0.551115634
4122313888940	412231	3888940	0.000902305	0.000491638	0.00089239	0.000482178	0	0	0	0	0	0.000482178	0.000415036	0.001084628	2.69469E-08	5.07635E-07	5.34581E-07	0.534581466
4118513888960	411851	3888960	0.002867577	0.001562453	0.002836065	0.00153239	0	0	0	0	0	0.00153239	0.001319009	0.003596953	8.76723E-08	1.6562E-06	1.74388E-06	1.743876886
4118713888960	411871	3888960	0.002646944	0.001442237	0.002617857	0.001414487	0	0	0	0	0	0.001414487	0.001217524	0.003234862	7.97694E-08	1.50435E-06	1.58412E-06	1.584120873
4118913888960	411891	3888960	0.002435857	0.001327223	0.00240909	0.001301686	0	0	0	0	0	0.001301686	0.00112043	0.002924991	7.27041E-08	1.36953E-06	1.44223E-06	1.442234436
4119113888960	411911	3888960	0.00224198	0.001221585	0.002217343	0.00119808	0	0	0	0	0	0.00119808	0.001031251	0.002672606	6.66519E-08	1.25492E-06	1.32157E-06	1.32157435
4119313888960	411931	3888960	0.002063038	0.001124085	0.002040368	0.001102457	0	0	0	0	0	0.001102457	0.000948943	0.002461299	6.13593E-08	1.15534E-06	1.2167E-06	1.216695238
4119513888960	411951	3888960	0.001905624	0.001038315	0.001884683	0.001018337	0	0	0	0	0	0.001018337	0.000876537	0.002288779	5.68847E-08	1.07156E-06	1.12844E-06	1.128439873
4120513888960	412051	3888960	0.001373281	0.000748258	0.00135819	0.000733861	0	0	0	0	0	0.000733861	0.000631673	0.00171254	4.18501E-08	7.90282E-07	8.32132E-07	0.832132297
4120713888960	412071	3888960	0.001306198	0.000711707	0.001291844	0.000698013	0	0	0	0	0	0.000698013	0.000600816	0.001631415	3.98401E-08	7.52402E-07	7.92242E-07	0.792242234
4121713888960	412171	3888960	0.001076311	0.000586448	0.001064484	0.000575165	0	0	0	0	0	0.000575165	0.000495075	0.001318476	3.24782E-08	6.12594E-07	6.45072E-07	0.645071965
4121913888960	412191	3888960	0.001043127	0.000568367	0.001031664	0.000557431	0	0	0	0	0	0.000557431	0.000479811	0.001269097	3.13585E-08	5.91209E-07	6.22567E-07	0.622567035
4122113888960	412211	3888960	0.001012898	0.000551896	0.001001767	0.000541277	0	0	0	0	0	0.000541277	0.000465906	0.001223399	3.03288E-08	5.71523E-07	6.01852E-07	0.601851602
4122313888960	412231	3888960	0.000984519	0.000536434	0.0009737	0.000526112	0	0	0	0	0	0.000526112	0.000452853	0.001180221	2.93583E-08	5.52963E-07	5.82321E-07	0.582320891
4118513888980	411851	3888980	0.003205069	0.001746342	0.003169848	0.001712741	0	0	0	0	0	0.001712741	0.001474246	0.004161987	9.99124E-08	1.89168E-06	1.99159E-06	1.991593161
4118713888980	411871	3888980	0.002939173	0.001601464	0.002906874	0.00157065	0	0	0	0	0	0.00157065	0.001351941	0.003709663	9.01719E-08	1.70411E-06	1.79428E-06	1.794282303
4118913888980	411891	3888980	0.002688635	0.001464954	0.00265909	0.001436766	0	0	0	0	0	0.001436766	0.001236701	0.003342888	8.17999E-08	1.54438E-06	1.62618E-06	1.626180626
4119113888980	411911	3888980	0.002459917	0.001340332	0.002432886	0.001314543	0	0	0	0	0	0.001314543	0.001131497	0.003048746	7.47088E-08	1.41021E-06	1.48492E-06	1.484915828
4119313888980	411931	3888980	0.002256266	0.001229369	0.002231472	0.001205715	0	0	0	0	0	0.001205715	0.001037823	0.002808891	6.86939E-08	1.29705E-06	1.36574E-06	1.365743058
4119513888980	411951	3888980	0.002078559	0.001132542	0.002055718	0.001110751	0	0	0	0	0	0.001110751	0.000956082	0.002607951	6.35587E-08	1.2007E-06	1.26426E-06	1.264257848
4120513888980	412051	3888980	0.001506505	0.000820847	0.00148995	0.000805053	0	0	0	0	0	0.000805053	0.000692952	0.001920907	4.64828E-08	8.79035E-07	9.25518E-07	0.925517769
4120713888980	412071	3888980	0.001435363	0.000782085	0.00141959	0.000767037	0	0	0	0	0	0.000767037	0.000660229	0.001822278	4.41803E-08	8.35258E-07	8.79439E-07	0.879438629
4121713888980	412171	3888980	0.001182131	0.000644106	0.00116914	0.000631713	0	0	0	0	0	0.000631713	0.000543749	0.001445686	3.56386E-08	6.7213E-07	7.07768E-07	0.707768435
4121913888980	412191	3888980	0.001144401	0.000623548	0.001131825	0.000611551	0	0	0	0	0	0.000611551	0.000526394	0.0013872	3.43337E-08	6.47145E-07	6.81478E-07	0.681478328
4122113888980	412211	3888980	0.001109528	0.000604547	0.001097335	0.000592915	0	0	0	0	0	0.000592915	0.000510353	0.001333138	3.31276E-08	6.2405E-07	6.57178E-07	0.657177761
4122313888980	412231	3888980	0.001076863	0.000586749	0.00106503	0.00057546	0	0	0	0	0	0.00057546	0.000495328	0.001282661	3.2E-08	6.02464E-07	6.34464E-07	0.634464288
4119113889000	411911	3889000	0.002720488	0.001482309	0.002690593	0.001453788	0	0	0	0	0	0.001453788	0.001251352	0.003552548	8.50753E-08	1.61135E-06	1.69642E-06	1.696421463
4119313889000	411931	3889000	0.002487549	0.001355388	0.002460214	0.001329309	0	0	0	0	0	0.001329309	0.001144207	0.003263184	7.79918E-08	1.47762E-06	1.55561E-06	1.555609532
4119513889000	411951	3889000	0.002289613	0.001247539	0.002264453	0.001223535	0	0	0	0	0	0.001223535	0.001053161	0.003016547	7.19624E-08	1.36377E-06	1.43573E-06	1.435730418
4119713889000	411971	3889000	0.002122783	0.001156638	0.002099456	0.001134383	0	0	0	0	0	0.001134383	0.000976424	0.002801818	6.67877E-08	1.26585E-06	1.33264E-06	1.332636621
4119913889000	411991	3889000	0.001981864	0.001079856	0.001960085	0.001059078	0	0	0	0	0	0.001059078	0.000911605	0.002612375	6.23073E-08	1.18083E-06	1.24314E-06	1.243137624

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4120113889000	412011	3889000	0.001862147	0.001014626	0.001841684	0.000995103	0	0	0	0	0	0.000995103	0.000856538	0.002444118	5.84018E-08	1.10651E-06	1.16491E-06	1.164911059
4120313889000	412031	3889000	0.001759542	0.00095872	0.001740207	0.000940273	0	0	0	0	0	0.000940273	0.000809343	0.002294011	5.49745E-08	1.04112E-06	1.0961E-06	1.096097231
4120513889000	412051	3889000	0.001670413	0.000910156	0.001652056	0.000892643	0	0	0	0	0	0.000892643	0.000768345	0.002159567	5.19424E-08	9.83164E-07	1.03511E-06	1.035106541
4120713889000	412071	3889000	0.00159229	0.000867589	0.001574792	0.000850896	0	0	0	0	0	0.000850896	0.000732411	0.002038784	4.92448E-08	9.31521E-07	9.80766E-07	0.980765944
4120913889000	412091	3889000	0.001522707	0.000829676	0.001505974	0.000813712	0	0	0	0	0	0.000813712	0.000700405	0.001929788	4.68229E-08	8.85118E-07	9.31941E-07	0.931941119
4121113889000	412111	3889000	0.001460203	0.000795619	0.001444156	0.00078031	0	0	0	0	0	0.00078031	0.000671654	0.001831062	4.46363E-08	8.43202E-07	8.87838E-07	0.887837894
4121313889000	412131	3889000	0.001403575	0.000764764	0.001388151	0.000750049	0	0	0	0	0	0.000750049	0.000645607	0.001741347	4.26516E-08	8.05148E-07	8.478E-07	0.847799838
4119113889020	411911	3889020	0.003048791	0.001661191	0.003015288	0.001629228	0	0	0	0	0	0.001629228	0.001402363	0.004238494	9.88306E-08	1.87942E-06	1.97825E-06	1.978248905
4119313889020	411931	3889020	0.002781661	0.001515641	0.002751094	0.001486478	0	0	0	0	0	0.001486478	0.00127949	0.00385583	9.0018E-08	1.71151E-06	1.80153E-06	1.801532733
4119513889020	411951	3889020	0.002560217	0.001394982	0.002532083	0.001368141	0	0	0	0	0	0.001368141	0.001177632	0.003529909	8.25946E-08	1.56984E-06	1.65243E-06	1.652430585
4119713889020	411971	3889020	0.002375885	0.001294546	0.002349777	0.001269638	0	0	0	0	0	0.001269638	0.001092844	0.00324497	7.62304E-08	1.448E-06	1.52423E-06	1.524228434
4119913889020	411991	3889020	0.002220809	0.00121005	0.002196405	0.001186767	0	0	0	0	0	0.001186767	0.001021513	0.002998495	7.07845E-08	1.34356E-06	1.41435E-06	1.414347132
4120113889020	412011	3889020	0.002088073	0.001137726	0.002065127	0.001115835	0	0	0	0	0	0.001115835	0.000960458	0.002782602	6.60564E-08	1.25276E-06	1.31882E-06	1.318819136
4120313889020	412031	3889020	0.001972902	0.001074973	0.001951222	0.001054289	0	0	0	0	0	0.001054289	0.000907482	0.00259274	6.19195E-08	1.17325E-06	1.23517E-06	1.235171473
4120513889020	412051	3889020	0.001871596	0.001019774	0.001851029	0.001000153	0	0	0	0	0	0.001000153	0.000860884	0.002425517	5.82777E-08	1.10325E-06	1.16153E-06	1.161528411
4120713889020	412071	3889020	0.001780972	0.000970396	0.001761401	0.000951725	0	0	0	0	0	0.000951725	0.0008192	0.002275538	5.50146E-08	1.04052E-06	1.09553E-06	1.095534618
4120913889020	412091	3889020	0.0016997	0.000926114	0.001681022	0.000908294	0	0	0	0	0	0.000908294	0.000781817	0.002142418	5.2107E-08	9.84658E-07	1.03676E-06	1.036764892
4121113889020	412111	3889020	0.001625864	0.000885883	0.001607997	0.000868837	0	0	0	0	0	0.000868837	0.000747854	0.002022733	4.94825E-08	9.34266E-07	9.83748E-07	0.983748377
4121313889020	412131	3889020	0.001558489	0.000849172	0.001541363	0.000832833	0	0	0	0	0	0.000832833	0.000716863	0.001914932	4.71067E-08	8.88688E-07	9.35794E-07	0.935794281
411251.663888860.76	411251.66	3888860.8	0.00094549	0.000515168	0.0009351	0.000505256	0	0	0	0	0	0.000505256	0.0004349	0.001077232	2.74323E-08	5.14957E-07	5.42389E-07	0.542389386
411271.663888860.76	411271.66	3888860.8	0.000989422	0.000539105	0.000978549	0.000528732	0	0	0	0	0	0.000528732	0.000455108	0.001133587	2.87924E-08	5.40688E-07	5.6948E-07	0.569480221
411291.663888860.76	411291.66	3888860.8	0.001036438	0.000564723	0.001025049	0.000553857	0	0	0	0	0	0.000553857	0.000476734	0.001194302	3.02534E-08	5.68341E-07	5.98594E-07	0.598593996
411311.663888860.76	411311.66	3888860.8	0.001086637	0.000592074	0.001074696	0.000580682	0	0	0	0	0	0.000580682	0.000499824	0.001259602	3.18198E-08	5.98001E-07	6.29821E-07	0.629821089
411331.663888860.76	411331.66	3888860.8	0.001140374	0.000621354	0.001127843	0.000609399	0	0	0	0	0	0.000609399	0.000524542	0.001329973	3.3503E-08	6.29887E-07	6.6339E-07	0.663389619
411351.663888860.76	411351.66	3888860.8	0.001198236	0.000652881	0.001185068	0.000640319	0	0	0	0	0	0.000640319	0.000551157	0.001406448	3.53249E-08	6.6442E-07	6.99745E-07	0.699745042
411371.663888860.76	411371.66	3888860.8	0.001259604	0.000686319	0.001245762	0.000673113	0	0	0	0	0	0.000673113	0.000579384	0.001488477	3.72696E-08	7.0131E-07	7.3858E-07	0.738579574
411391.663888860.76	411391.66	3888860.8	0.001322952	0.000720836	0.001308415	0.000706966	0	0	0	0	0	0.000706966	0.000608523	0.001574382	3.92938E-08	7.39742E-07	7.79036E-07	0.779035565
411251.663888880.76	411251.66	3888880.8	0.00098913	0.000538946	0.00097826	0.000528576	0	0	0	0	0	0.000528576	0.000454973	0.001126062	2.86864E-08	5.3847E-07	5.67157E-07	0.567156798
411271.663888880.76	411271.66	3888880.8	0.001036828	0.000564935	0.001025434	0.000554065	0	0	0	0	0	0.000554065	0.000476913	0.001187875	3.01715E-08	5.66586E-07	5.96758E-07	0.596758001
411291.663888880.76	411291.66	3888880.8	0.001087806	0.000592711	0.001075852	0.000581307	0	0	0	0	0	0.000581307	0.000500362	0.001254403	3.17652E-08	5.96769E-07	6.28534E-07	0.628533856
411311.663888880.76	411311.66	3888880.8	0.001142485	0.000622504	0.00112993	0.000610527	0	0	0	0	0	0.000610527	0.000525513	0.001326356	3.34826E-08	6.29313E-07	6.62795E-07	0.662795322
411331.663888880.76	411331.66	3888880.8	0.001201126	0.000654456	0.001187926	0.000641863	0	0	0	0	0	0.000641863	0.000552486	0.001404187	3.53334E-08	6.64405E-07	6.99738E-07	0.699738229
411351.663888880.76	411351.66	3888880.8	0.001264539	0.000689008	0.001250643	0.000675751	0	0	0	0	0	0.000675751	0.000581654	0.001489155	3.73458E-08	7.02583E-07	7.39929E-07	0.739928557
411371.663888880.76	411371.66	3888880.8	0.001331979	0.000725754	0.001317342	0.00071179	0	0	0	0	0	0.00071179	0.000612675	0.001580582	3.95003E-08	7.43489E-07	7.8299E-07	0.782989651
411391.663888880.76	411391.66	3888880.8	0.001402504	0.000764181	0.001387092	0.000749477	0	0	0	0	0	0.000749477	0.000645114	0.001677564	4.17721E-08	7.8666E-07	8.28432E-07	0.828431868
411251.663888900.76	411251.66	3888900.8	0.001034977	0.000563927	0.001023604	0.000553076	0	0	0	0	0	0.000553076	0.000476062	0.001175571	2.99796E-08	5.6266E-07	5.9264E-07	0.592640049
411271.663888900.76	411271.66	3888900.8	0.001086767	0.000592145	0.001074824	0.000580752	0	0	0	0	0	0.000580752	0.000499884	0.001243132	3.15982E-08	5.93316E-07	6.24914E-07	0.62491412
411291.663888900.76	411291.66	3888900.8	0.001142225	0.000622363	0.001129673	0.000610388	0	0	0	0	0	0.000610388	0.000525393	0.001316183	3.33411E-08	6.26345E-07	6.59686E-07	0.659685626
411311.663888900.76	411311.66	3888900.8	0.001201905	0.00065488	0.001188697	0.00064228	0	0	0	0	0	0.00064228	0.000552844	0.001395467	3.52257E-08	6.6208E-07	6.97305E-07	0.697305359
411331.663888900.76	411331.66	3888900.8	0.001265935	0.000689769	0.001252024	0.000676497	0	0	0	0	0	0.000676497	0.000582297	0.001481501	3.72609E-08	7.00697E-07	7.37958E-07	0.737958358
411351.663888900.76	411351.66	3888900.8	0.001334869	0.000727328	0.0013202	0.000713334	0	0	0	0	0	0.000713334	0.000614004	0.001575124	3.94655E-08	7.42559E-07	7.82024E-07	0.782024456
411371.663888900.76	411371.66	3888900.8	0.001408673	0.000767542	0.001393193	0.000752774	0	0	0	0	0	0.000752774	0.000647952	0.00167666	4.18435E-08	7.87749E-07	8.29593E-07	0.829592922
411391.663888900.76	411391.66	3888900.8	0.001488354	0.000810958	0.001471998	0.000795354	0	0	0	0	0	0.000795354	0.000684603	0.001787819	4.44316E-08	8.36979E-07	8.8141E-07	0.88141049
411411.663888900.76	411411.66	3888900.8	0.001573425	0.00085731	0.001556135	0.000840815	0	0	0	0	0	0.000840815	0.000723734	0.001908506	4.72221E-08	8.90113E-07	9.37335E-07	0.937335055
411251.663888920.76	411251.66	3888920.8	0.001082318	0.000589721	0.001070425	0.000578375	0	0	0	0	0	0.000578375	0.000497838	0.001224562	3.1286E-08	5.87029E-07	6.18315E-07	0.618315132
411271.663888920.76	411271.66	3888920.8	0.001138751	0.00062047	0.001126237	0.000608531	0	0	0	0	0	0.000608531	0.000523795	0.001298324	3.30517E-08	6.20474E-07	6.53526E-07	0.653525735
411291.663888920.76	411291.66	3888920.8	0.001199405	0.000653518	0.001186224	0.000640944	0	0	0	0	0	0.000640944	0.000551694	0.001378577	3.49627E-08	6.56699E-07	6.91662E-07	0.69166201
411311.663888920.76	411311.66	3888920.8	0.001264734	0.000689114	0.001250836	0.000675855	0	0	0	0	0	0.000675855	0.000581744	0.001465967	3.70339E-08	6.95989E-07	7.33023E-07	0.733023092
411331.663888920.76	411331.66	3888920.8	0.001335194	0.000727505	0.001320521	0.000713507	0	0	0	0	0	0.000713507	0.000614154	0.001561464	3.92846E-08	7.3872E-07	7.78005E-07	0.778004926
411351.663888920.76	411351.66	3888920.8	0.001411043	0.000768833	0.001395537	0.00075404	0	0	0	0	0	0.00075404	0.000649042	0.001665647	4.17263E-08	7.85116E-07	8.26842E-07	0.826842062
411371.663888920.76	411371.66	3888920.8	0.001492218	0.000813063	0.00147582	0.000797419	0	0	0	0	0	0.000797419	0.000686381	0.001778841	4.43623E-08	8.35254E-07	8.79616E-07	0.87961623
411391.663888920.76	411391.66	3888920.8	0.00158177	0.000861857	0.001564388	0.000845274	0	0	0	0	0	0.000845274	0.000727572	0.001905502	4.72946E-08	8.91077E-07	9.38372E-07	0.938371877
411411.663888920.76	411411.66	3888920.8	0.001678595	0.000914614	0.001660149	0.000897016	0	0	0	0	0	0.000897016	0.000772109	0.002045017	5.04998E-08	9.52169E-07	1.00267E-06	1.002668797
411251.663888940.76	411251.66	3888940.8	0.001130763	0.000616118	0.001118337	0.000604263	0	0	0	0	0	0.000604263	0.000520121	0.001272326	3.25908E-08	6.11288E-07	6.43879E-07	0.643878624
411271.663888940.76	411271.66	3888940.8	0.001192229	0.000649608	0.001179127	0.000637109	0	0	0	0	0	0.000637109	0.000548394	0.001352418	3.45106E-08	6.47644E-07	6.82155E-07	0.682154931
411291.663888940.76	411291.66	3888940.8	0.001258695	0.000685823	0.001244863	0.000672627	0	0	0	0	0	0.000672627	0.000578966	0.00144026	3.66034E-08	6.87312E-07	7.23915E-07	0.723915353
411311.663888940.76	411311.66	3888940.8	0.00133055	0.000724975	0.001315929	0.000711026	0	0	0	0	0	0.000711026	0.000612018	0.001536532	3.88835E-08	7.3057E-07	7.69454E-07	0.769453631
411331.663888940.76	411331.66	3888940.8	0.001408381	0.000767383	0.001392904	0.000752617	0	0	0	0	0	0.000752617	0.000647818	0.001642363	4.13744E-08	7.7787E-07	8.19244E-07	0.819244262
411351.663888940.76	411351.66	3888940.8	0.00149238	0.000813151	0.001475981	0.000797506	0	0	0	0	0	0.000797506	0.000686455	0.001758495	4.40886E-08	8.29467E-07	8.73555E-07	0.873555124
411371.663888940.76	411371.66	3888940.8	0.001582906	0.000862476	0.001565512	0.000845881	0	0	0	0	0	0.000845881	0.000728095	0.001885899	4.70441E-08	8.85715E-07	9.3276E-07	0.932759547
411391.663888940.76	411391.66	3888940.8	0.001683043	0.000917038	0.001664548	0.000899393	0	0	0	0	0	0.000899393	0.000774155	0.002029289	5.03469E-08	9.4864E-07	9.98987E-07	0.99898696
411411.663888940.76	411411.66	3888940.8	0.001793051	0.000976978	0.001773347	0.00095818	0	0	0	0	0	0.00095818	0.000824756	0.002189957	5.40178E-08	1.01867E-06	1.07268E-06	1.072684886
411431.663888940.76	411431.66	3888940.8	0.001911371	0.001041447	0.001890367	0.001021408	0	0	0	0	0	0.001021408	0.00087918	0.002367192	5.80261E-08	1.09525E-06	1.15328E-06	1.153278556
411251.663888960.76	411251.66	3888960.8	0.001179208	0.000642514	0.00116625	0.000630151	0	0	0	0	0	0.000630151	0.000542404	0.001317507	3.38606E-08	6.34807E-07	6.68668E-07	0.668667666

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
411271.663888960.76	411271.66	3888960.8	0.001246713	0.000679295	0.001233013	0.000666225	0	0	0	0	0	0.000666225	0.000573455	0.001404671	3.59582E-08	6.74508E-07	7.10466E-07	0.710465992
411291.663888960.76	411291.66	3888960.8	0.001319543	0.000718978	0.001305043	0.000705144	0	0	0	0	0	0.000705144	0.000606955	0.001500168	3.82411E-08	7.17757E-07	7.55998E-07	0.755998058
411311.663888960.76	411311.66	3888960.8	0.001398835	0.000762181	0.001383463	0.000747516	0	0	0	0	0	0.000747516	0.000643427	0.001605837	4.07495E-08	7.6533E-07	8.06079E-07	0.80607947
411331.663888960.76	411331.66	3888960.8	0.001484555	0.000808888	0.001468241	0.000793324	0	0	0	0	0	0.000793324	0.000682856	0.001722131	4.34893E-08	8.17349E-07	8.60838E-07	0.860838219
411351.663888960.76	411351.66	3888960.8	0.001577971	0.000859787	0.001560631	0.000843244	0	0	0	0	0	0.000843244	0.000725825	0.001851247	4.65072E-08	8.74719E-07	9.21227E-07	0.921226547
411371.663888960.76	411371.66	3888960.8	0.001679407	0.000915056	0.001660952	0.00089745	0	0	0	0	0	0.00089745	0.000772482	0.001994443	4.9825E-08	9.37872E-07	9.87697E-07	0.987697374
411391.663888960.76	411391.66	3888960.8	0.001791752	0.00097627	0.001772063	0.000957486	0	0	0	0	0	0.000957486	0.000824158	0.00215637	5.35447E-08	1.00877E-06	1.06232E-06	1.062315539
411411.663888960.76	411411.66	3888960.8	0.001916112	0.00104403	0.001895056	0.001023942	0	0	0	0	0	0.001023942	0.000881361	0.002339935	5.77207E-08	1.08849E-06	1.14621E-06	1.146208573
411431.663888960.76	411431.66	3888960.8	0.002048524	0.001116177	0.002026013	0.001094701	0	0	0	0	0	0.001094701	0.000942267	0.002541423	6.22491E-08	1.17509E-06	1.23734E-06	1.237343637
411251.663888980.76	411251.66	3888980.8	0.001226549	0.000668309	0.001213071	0.00065545	0	0	0	0	0	0.00065545	0.00056418	0.001359135	3.50672E-08	6.57068E-07	6.92136E-07	0.692135566
411271.663888980.76	411271.66	3888980.8	0.001300451	0.000708575	0.00128616	0.000694941	0	0	0	0	0	0.000694941	0.000598173	0.001453114	3.7344E-08	7.00117E-07	7.37461E-07	0.737461378
411291.663888980.76	411291.66	3888980.8	0.001380554	0.000752221	0.001365383	0.000737747	0	0	0	0	0	0.000737747	0.000635018	0.001556716	3.98354E-08	7.47276E-07	7.87112E-07	0.787111666
411311.663888980.76	411311.66	3888980.8	0.001467443	0.000799564	0.001451318	0.00078418	0	0	0	0	0	0.00078418	0.000674985	0.001671137	4.25656E-08	7.99015E-07	8.4158E-07	0.841580286
411331.663888980.76	411331.66	3888980.8	0.00156245	0.00085133	0.001545281	0.00083495	0	0	0	0	0	0.00083495	0.000718686	0.001798638	4.55833E-08	8.56271E-07	9.01854E-07	0.901853917
411351.663888980.76	411351.66	3888980.8	0.001666516	0.000908033	0.001648203	0.000890561	0	0	0	0	0	0.000890561	0.000766553	0.00194135	4.89301E-08	9.1986E-07	9.6879E-07	0.968790066
411371.663888980.76	411371.66	3888980.8	0.001780745	0.000970273	0.001761177	0.000951603	0	0	0	0	0	0.000951603	0.000819095	0.002101598	5.26526E-08	9.90689E-07	1.04334E-06	1.04334201
411391.663888980.76	411391.66	3888980.8	0.001907183	0.001039164	0.001886225	0.00101917	0	0	0	0	0	0.00101917	0.000877253	0.002283515	5.68345E-08	1.07039E-06	1.12722E-06	1.127223728
411411.663888980.76	411411.66	3888980.8	0.00204794	0.001115859	0.002025435	0.001094388	0	0	0	0	0	0.001094388	0.000941998	0.002491786	6.1568E-08	1.16076E-06	1.22233E-06	1.222328842
411431.663888980.76	411431.66	3888980.8	0.002199671	0.001198532	0.002175499	0.001175471	0	0	0	0	0	0.001175471	0.00101179	0.00272431	6.67793E-08	1.26047E-06	1.32725E-06	1.327251758
411251.663889000.76	411251.66	3889000.8	0.001272397	0.000693289	0.001258415	0.00067995	0	0	0	0	0	0.00067995	0.000585269	0.001397147	3.62045E-08	6.77968E-07	7.14173E-07	0.714172514
411271.663889000.76	411271.66	3889000.8	0.001352468	0.000736917	0.001337605	0.000722738	0	0	0	0	0	0.000722738	0.000622099	0.001497067	3.86456E-08	7.24066E-07	7.62712E-07	0.762711673
411291.663889000.76	411291.66	3889000.8	0.001439909	0.000784561	0.001424086	0.000769466	0	0	0	0	0	0.000769466	0.00066232	0.001608065	4.13368E-08	7.74945E-07	8.16282E-07	0.816282284
411311.663889000.76	411311.66	3889000.8	0.001535273	0.000836522	0.001518402	0.000820427	0	0	0	0	0	0.000820427	0.000706185	0.001731335	4.43019E-08	8.31069E-07	8.75371E-07	0.875370665
411331.663889000.76	411331.66	3889000.8	0.001639436	0.000893278	0.001621421	0.00087609	0	0	0	0	0	0.00087609	0.000754097	0.001868718	4.75778E-08	8.93154E-07	9.40732E-07	0.940732123
411351.663889000.76	411351.66	3889000.8	0.001754964	0.000956225	0.001735679	0.000937826	0	0	0	0	0	0.000937826	0.000807237	0.002024477	5.1257E-08	9.62983E-07	1.01424E-06	1.014239957
411251.663889020.76	411251.66	3889020.8	0.001316621	0.000717386	0.001302153	0.000703582	0	0	0	0	0	0.000703582	0.000605611	0.001432057	3.72777E-08	6.97626E-07	7.34903E-07	0.734903251
411271.663889020.76	411271.66	3889020.8	0.001403478	0.000764711	0.001388055	0.000749997	0	0	0	0	0	0.000749997	0.000645562	0.001538114	3.9894E-08	7.46963E-07	7.86857E-07	0.786857052
411291.663889020.76	411291.66	3889020.8	0.001498972	0.000816743	0.001482499	0.000801028	0	0	0	0	0	0.000801028	0.000689487	0.001656572	4.27957E-08	8.01738E-07	8.44533E-07	0.84453317
411311.663889020.76	411311.66	3889020.8	0.001604044	0.000873994	0.001586417	0.000857177	0	0	0	0	0	0.000857177	0.000737818	0.001789208	4.60195E-08	8.62663E-07	9.08683E-07	0.908682624
411331.663889020.76	411331.66	3889020.8	0.001716292	0.000935154	0.001697432	0.000917161	0	0	0	0	0	0.000917161	0.000789449	0.001934051	4.95062E-08	9.28651E-07	9.78157E-07	0.978157127
411351.663889020.76	411351.66	3889020.8	0.001843932	0.001004701	0.001823669	0.000985369	0	0	0	0	0	0.000985369	0.000848159	0.00210205	5.35156E-08	1.00463E-06	1.05815E-06	1.05814538
411251.663889040.76	411251.66	3889040.8	0.001355942	0.00073881	0.001341041	0.000724595	0	0	0	0	0	0.000724595	0.000623697	0.001460768	3.82004E-08	7.14437E-07	7.52637E-07	0.752637156
411271.663889040.76	411271.66	3889040.8	0.001449617	0.000789851	0.001433688	0.000774654	0	0	0	0	0	0.000774654	0.000666785	0.001572541	4.09867E-08	7.66901E-07	8.07887E-07	0.807887288
411291.663889040.76	411291.66	3889040.8	0.001553261	0.000846324	0.001536193	0.000830039	0	0	0	0	0	0.000830039	0.000714459	0.001697975	4.40934E-08	8.25453E-07	8.69546E-07	0.869546316
411311.663889040.76	411311.66	3889040.8	0.001667977	0.000908829	0.001649648	0.000891342	0	0	0	0	0	0.000891342	0.000767225	0.001839071	4.75628E-08	8.90908E-07	9.38471E-07	0.938470711
411331.663889040.76	411331.66	3889040.8	0.001795324	0.000978216	0.001775595	0.000959394	0	0	0	0	0	0.000959394	0.000825801	0.001998512	5.14522E-08	9.64374E-07	1.01583E-06	1.015825761
411351.663889040.76	411351.66	3889040.8	0.001938386	0.001056166	0.001917086	0.001035845	0	0	0	0	0	0.001035845	0.000891606	0.002181334	5.58719E-08	1.04797E-06	1.10384E-06	1.103837701

Cal City Substation 115 kilovolt (kV) Upgrade Project

On HRAroad DPM Emissions, Ground Level Concentrations and Health Risk Calculations
Residential Receptors

Phase		Year	Emissions (lbs/day)	Days Per Year	Work Hours Per Day	Emissions (g/s)	Wt. Trip Length (mi)	Modeled Trip Length (mi)
S-01	Cal City Substation Civil Crew (Site Grading)	2026	0.1171	0	9	0.001639387	1.06	1.06
S-02	Cal City Substation Civil Crew (Channel Install & Additions)	2026	0.1055	0	9	0.001477639	1.06	1.06
S-03	Cal City Substation Civil Crew (Foundation)	2026	0.0998	61	9	0.001396765	1.06	1.06
S-04	Cal City Substation Electrical Crew	2027	0.0000	0	9	0	1.06	1.06
S-05	Cal City Substation Maintenance Crew	2027	0.0000	31	9	0	1.06	1.06
S-06	Cal City Substation Test Crew	2027	0.0000	0	9	0	1.06	1.06
S-07	Cal City Substation Test Crew and Wireman (Cutover)	2027	0.0000	26	9	0	1.06	1.06
S-08	Cal City Substation Demolition - Test Crew	2027	0.0000	0	9	0	1.06	1.06
S-09	Cal City Substation Demolition - Maintenance Crew	2027	0.0000		9	0		
S-10	Cal City Substation Demolition - Electrical Crew	2027	0.0000		9	0		
S-11	Cal City Substation Demolition - Civil Crew	2028	0.0998		9	0.001396765		
L-01	Staging Areas	2026	0.0029	0	9	4.08662E-05	0.00	0.00

			AERMOD Column Identifier:	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*	*5*				
				Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)		2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4119713888860	411971	3888860		0.005560261	0.005011665	0.004737368	0	0	0	0	0	0	0	0.004737368	0.000138605	7.72883E-08	9.40759E-07	1.01805E-06	1.018047142
4119913888860	411991	3888860		0.004895309	0.00441232	0.004170826	0	0	0	0	0	0	0	0.004170826	0.000122029	6.80454E-08	8.28253E-07	8.96299E-07	0.896298829
4120113888860	412011	3888860		0.004369394	0.003938293	0.003722743	0	0	0	0	0	0	0	0.003722743	0.000108919	6.07351E-08	7.39272E-07	8.00007E-07	0.800007172
4120313888860	412031	3888860		0.003942907	0.003553885	0.003359375	0	0	0	0	0	0	0	0.003359375	9.82876E-05	5.48069E-08	6.67113E-07	7.2192E-07	0.721920282
4120513888860	412051	3888860		0.003589504	0.003235351	0.003058274	0	0	0	0	0	0	0	0.003058274	8.94781E-05	4.98946E-08	6.0732E-07	6.57215E-07	0.65721457
4120713888860	412071	3888860		0.003291792	0.002967011	0.002804621	0	0	0	0	0	0	0	0.002804621	8.20568E-05	4.57563E-08	5.56949E-07	6.02705E-07	0.602705328
4120913888860	412091	3888860		0.00303926	0.002739396	0.002589464	0	0	0	0	0	0	0	0.002589464	7.57618E-05	4.22461E-08	5.14222E-07	5.56469E-07	0.556468524
4121113888860	412111	3888860		0.002821337	0.002542973	0.002403791	0	0	0	0	0	0	0	0.002403791	7.03294E-05	3.92169E-08	4.77351E-07	5.16568E-07	0.516568119
4121313888860	412131	3888860		0.002630725	0.002371168	0.00224139	0	0	0	0	0	0	0	0.00224139	6.55779E-05	3.65674E-08	4.45101E-07	4.81668E-07	0.481668396
4121513888860	412151	3888860		0.002463016	0.002220006	0.0020985	0	0	0	0	0	0	0	0.0020985	6.13973E-05	3.42362E-08	4.16726E-07	4.50962E-07	0.450961923
4121713888860	412171	3888860		0.002314897	0.002086501	0.001972303	0	0	0	0	0	0	0	0.001972303	5.77051E-05	3.21774E-08	3.91665E-07	4.23842E-07	0.423842375
4121913888860	412191	3888860		0.0021825	0.001967167	0.0018595	0	0	0	0	0	0	0	0.0018595	5.44047E-05	3.0337E-08	3.69264E-07	3.99601E-07	0.39960137
4122113888860	412211	3888860		0.002062841	0.001859314	0.00175755	0	0	0	0	0	0	0	0.00175755	5.14219E-05	2.86738E-08	3.49019E-07	3.77693E-07	0.377692617
4119713888880	411971	3888880		0.005447979	0.004910462	0.004641703	0	0	0	0	0	0	0	0.004641703	0.000135806	7.57276E-08	9.21762E-07	9.97489E-07	0.997489114
4119913888880	411991	3888880		0.004794897	0.004321815	0.004085274	0	0	0	0	0	0	0	0.004085274	0.000119526	6.66497E-08	8.11264E-07	8.77914E-07	0.877913966
4120113888880	412011	3888880		0.00427844	0.003856314	0.003645251	0	0	0	0	0	0	0	0.003645251	0.000106652	5.94709E-08	7.23883E-07	7.83354E-07	0.783354239
4120313888880	412031	3888880		0.003860757	0.003479841	0.003289383	0	0	0	0	0	0	0	0.003289383	9.62398E-05	5.3665E-08	6.53214E-07	7.06879E-07	0.706879213
4120513888880	412051	3888880		0.003514945	0.003168148	0.002994749	0	0	0	0	0	0	0	0.002994749	8.76195E-05	4.88582E-08	5.94705E-07	6.43563E-07	0.643563246
4120713888880	412071	3888880		0.003223937	0.002905852	0.002746809	0	0	0	0	0	0	0	0.002746809	8.03654E-05	4.48131E-08	5.45469E-07	5.90282E-07	0.590281663
4120913888880	412091	3888880		0.002976554	0.002682876	0.002536037	0	0	0	0	0	0	0	0.002536037	7.41986E-05	4.13745E-08	5.03613E-07	5.44987E-07	0.544987364
4121113888880	412111	3888880		0.002763483	0.002490827	0.0023545	0	0	0	0	0	0	0	0.0023545	6.88873E-05	3.84128E-08	4.67563E-07	5.05975E-07	0.505975436
4121313888880	412131	3888880		0.002576986	0.002322731	0.002195604	0	0	0	0	0	0	0	0.002195604	6.42383E-05	3.58204E-08	4.36009E-07	4.71829E-07	0.471829118
4121513888880	412151	3888880		0.002413539	0.00217541	0.002056346	0	0	0	0	0	0	0	0.002056346	6.0164E-05	3.35485E-08	4.08355E-07	4.41903E-07	0.441903064
4121713888880	412171	3888880		0.002268453	0.002044639	0.001932732	0	0	0	0	0	0	0	0.001932732	5.65473E-05	3.15318E-08	3.83807E-07	4.15339E-07	0.415338813
4121913888880	412191	3888880		0.002139335	0.00192826	0.001822723	0	0	0	0	0	0	0	0.001822723	5.33287E-05	2.9737E-08	3.61961E-07	3.91698E-07	0.391698131
4122113888880	412211	3888880		0.002022807	0.00182323	0.001723441	0	0	0	0	0	0	0	0.001723441	5.04239E-05	2.81173E-08	3.42245E-07	3.70363E-07	0.370362685
4118513888900	411851	3888900		0.021028078	0.018953371	0.017916017	0	0	0	0	0	0	0	0.017916017	0.000524182	2.92293E-07	3.55781E-06	3.8501E-06	3.850102429
4118713888900	411871	3888900		0.01489608	0.013426379	0.012691528	0	0	0	0	0	0	0	0.012691528	0.000371325	2.07057E-07	2.52032E-06	2.72737E-06	2.727374129
4118913888900	411891	3888900		0.011267674	0.010155964	0.009600109	0	0	0	0	0	0	0	0.009600109	0.000280877	1.56622E-07	1.90641E-06	2.06304E-06	2.063036738
4119113888900	411911	3888900		0.008929284	0.008048288	0.00760779	0	0	0	0	0	0	0	0.00760779	0.000222587	1.24118E-07	1.51077E-06	1.63489E-06	1.634893056
4119313888900	411931	3888900		0.007340488	0.006616249	0.006254129	0	0	0	0	0	0	0	0.006254129	0.000182982	1.02034E-07	1.24196E-06	1.344E-06	1.343995001
4119513888900	411951	3888900		0.006207327	0.00559489	0.005288671	0	0	0	0	0	0	0	0.005288671	0.000154734	8.62826E-08	1.05024E-06	1.13652E-06	1.136520699
4119713888900	411971	3888900		0.0053656	0.00483621	0.004571516	0	0	0	0	0	0	0	0.004571516	0.000133752	7.45825E-08	9.07823E-07	9.82406E-07	0.982406022
4119913888900	411991	3888900		0.00471937	0.00425374	0.004020925	0	0	0	0	0	0	0	0.004020925	0.000117643	6.55998E-08	7.98486E-07	8.64086E-07	0.864085548
4120113888900	412011	3888900		0.004209439	0.00379412	0.003586461	0	0	0	0	0	0	0	0.003586461	0.000104932	5.85117E-08	7.12209E-07	7.7072E-07	0.770720461
4120313888900	412031	3888900		0.003796575	0.003421991	0.003234699	0	0	0	0	0	0	0	0.003234699	9.46399E-05	5.27729E-08	6.42355E-07	6.95128E-07	0.695127909
4120513888900	412051	3888900		0.003455845	0.003114879	0.002944396	0	0	0	0	0	0	0	0.002944396	8.61463E-05	4.80367E-08	5.84706E-07	6.32742E-07	0.632742442
4120713888900	412071	3888900		0.003169165	0.002856484	0.002700143	0	0	0	0	0	0	0	0.002700143	7.9E-05	4.40518E-08	5.36201E-07	5.80253E-07	0.580253283
4120913888900	412091	3888900		0.002924585	0.002636035	0.00249176	0	0	0	0	0	0	0	0.00249176	7.29032E-05	4.06521E-08	4.9482E-07	5.35472E-07	0.53547226
4121113888900	412111	3888900		0.002714596	0.002446764	0.002312848	0	0	0	0	0	0	0	0.002312848	6.76686E-05	3.77332E-08	4.59291E-07	4.97025E-07	0.497024634
4121313888900	412131	3888900		0.002531542	0.002281771	0.002156885	0	0	0	0	0	0	0	0.002156885	6.31055E-05	3.51888E-08	4.2832E-07	4.63509E-07	0.463508654
4121513888900	412151	3888900		0.002371194	0.002137243	0.002020268	0	0	0	0	0	0	0	0.002020268	5.91084E-05	3.29599E-08	4.0119E-07	4.3415E-07	0.434149904

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4121713888900	412171	3888900	0.002228944	0.002009028	0.00189907	0	0	0	0	0	0	0	0.00189907	5.55625E-05	3.09826E-08	3.77122E-07	4.08105E-07	0.408104932
4118513888920	411851	3888920	0.02103934	0.018963522	0.017925613	0	0	0	0	0	0	0	0.017925613	0.000524462	2.9245E-07	3.55972E-06	3.85216E-06	3.852164535
4118713888920	411871	3888920	0.014870506	0.013403328	0.012669738	0	0	0	0	0	0	0	0.012669738	0.000370688	2.06702E-07	2.51599E-06	2.72269E-06	2.722691617
4118913888920	411891	3888920	0.01120536	0.010099799	0.009547018	0	0	0	0	0	0	0	0.009547018	0.000279324	1.55756E-07	1.89587E-06	2.05163E-06	2.051627618
4119113888920	411911	3888920	0.00886302	0.007988562	0.007551333	0	0	0	0	0	0	0	0.007551333	0.000220935	1.23197E-07	1.49956E-06	1.62276E-06	1.622760547
4119313888920	411931	3888920	0.007275913	0.006558045	0.006199111	0	0	0	0	0	0	0	0.006199111	0.000181372	1.01136E-07	1.23104E-06	1.33217E-06	1.332171658
4119513888920	411951	3888920	0.006146408	0.005539981	0.005236767	0	0	0	0	0	0	0	0.005236767	0.000153216	8.54359E-08	1.03993E-06	1.12537E-06	1.125366715
4119713888920	411971	3888920	0.005307894	0.004784198	0.004522349	0	0	0	0	0	0	0	0.004522349	0.000132314	7.37804E-08	8.9806E-07	9.7184E-07	0.971840354
4119913888920	411991	3888920	0.004663139	0.004203057	0.003973016	0	0	0	0	0	0	0	0.003973016	0.000116241	6.48182E-08	7.88972E-07	8.5379E-07	0.853790025
4120113888920	412011	3888920	0.004156503	0.003746407	0.003541359	0	0	0	0	0	0	0	0.003541359	0.000103612	5.77759E-08	7.03252E-07	7.61028E-07	0.761028262
4120313888920	412031	3888920	0.003746361	0.003376731	0.003191916	0	0	0	0	0	0	0	0.003191916	9.33882E-05	5.20749E-08	6.33859E-07	6.85934E-07	0.685933977
4120513888920	412051	3888920	0.003407926	0.003071687	0.002903568	0	0	0	0	0	0	0	0.002903568	8.49518E-05	4.73706E-08	5.76598E-07	6.23969E-07	0.623968735
4120713888920	412071	3888920	0.003123967	0.002815745	0.002661634	0	0	0	0	0	0	0	0.002661634	7.78733E-05	4.34235E-08	5.28554E-07	5.71978E-07	0.571977844
4120913888920	412091	3888920	0.002881617	0.002597306	0.002455151	0	0	0	0	0	0	0	0.002455151	7.18321E-05	4.00548E-08	4.8755E-07	5.27605E-07	0.527605039
4121113888920	412111	3888920	0.002673628	0.002409838	0.002277943	0	0	0	0	0	0	0	0.002277943	6.66474E-05	3.71638E-08	4.5236E-07	4.89524E-07	0.48952361
4121313888920	412131	3888920	0.002493	0.002247032	0.002124047	0	0	0	0	0	0	0	0.002124047	6.21448E-05	3.4653E-08	4.21799E-07	4.56452E-07	0.456451869
4121513888920	412151	3888920	0.00233434	0.002104026	0.001988868	0	0	0	0	0	0	0	0.001988868	5.81897E-05	3.24476E-08	3.94955E-07	4.27402E-07	0.427402285
4121713888920	412171	3888920	0.002194091	0.001977614	0.001869375	0	0	0	0	0	0	0	0.001869375	5.46936E-05	3.04981E-08	3.71225E-07	4.01724E-07	0.401723509
4118513888940	411851	3888940	0.020935944	0.018870328	0.017837519	0	0	0	0	0	0	0	0.017837519	0.000521885	2.91012E-07	3.54222E-06	3.83323E-06	3.833233379
4118713888940	411871	3888940	0.014845227	0.013380542	0.0126482	0	0	0	0	0	0	0	0.0126482	0.000370057	2.06351E-07	2.51171E-06	2.71806E-06	2.718063134
4118913888940	411891	3888940	0.011171032	0.010068857	0.009517769	0	0	0	0	0	0	0	0.009517769	0.000278468	1.55279E-07	1.89006E-06	2.04534E-06	2.045342246
4119113888940	411911	3888940	0.008814707	0.007945016	0.007510171	0	0	0	0	0	0	0	0.007510171	0.00021973	1.22526E-07	1.49139E-06	1.61391E-06	1.613914802
4119313888940	411931	3888940	0.007229912	0.006516582	0.006159917	0	0	0	0	0	0	0	0.006159917	0.000180225	1.00497E-07	1.22325E-06	1.32375E-06	1.32374914
4119513888940	411951	3888940	0.006105931	0.005503498	0.005202281	0	0	0	0	0	0	0	0.005202281	0.000152207	8.48732E-08	1.03308E-06	1.11796E-06	1.117955739
4120513888940	412051	3888940	0.003372253	0.003039534	0.002873175	0	0	0	0	0	0	0	0.002873175	8.40625E-05	4.68747E-08	5.70562E-07	6.17437E-07	0.617437231
4120713888940	412071	3888940	0.003088639	0.002783902	0.002631534	0	0	0	0	0	0	0	0.002631534	7.69927E-05	4.29325E-08	5.22577E-07	5.65509E-07	0.565509374
4121713888940	412171	3888940	0.002164827	0.001951238	0.001844443	0	0	0	0	0	0	0	0.001844443	5.39642E-05	3.00914E-08	3.66274E-07	3.96366E-07	0.396365635
4121913888940	412191	3888940	0.002041152	0.001839765	0.001739071	0	0	0	0	0	0	0	0.001739071	5.08812E-05	2.83723E-08	3.45349E-07	3.73721E-07	0.373721487
4122113888940	412211	3888940	0.001930493	0.001740024	0.001644789	0	0	0	0	0	0	0	0.001644789	4.81228E-05	2.68341E-08	3.26627E-07	3.53461E-07	0.353460618
4122313888940	412231	3888940	0.00183072	0.001650095	0.001559782	0	0	0	0	0	0	0	0.001559782	4.56357E-05	2.54472E-08	3.09746E-07	3.35193E-07	0.335192818
4118513888960	411851	3888960	0.021073571	0.018994375	0.017954778	0	0	0	0	0	0	0	0.017954778	0.000525316	2.92925E-07	3.56551E-06	3.85843E-06	3.858431897
4118713888960	411871	3888960	0.014886687	0.013417912	0.012683524	0	0	0	0	0	0	0	0.012683524	0.000371091	2.06927E-07	2.51873E-06	2.72565E-06	2.725654207
4118913888960	411891	3888960	0.011172425	0.010070113	0.009518957	0	0	0	0	0	0	0	0.009518957	0.000278503	1.55298E-07	1.8903E-06	2.0456E-06	2.045597383
4119113888960	411911	3888960	0.008820265	0.007950025	0.007514906	0	0	0	0	0	0	0	0.007514906	0.000219869	1.22603E-07	1.49233E-06	1.61493E-06	1.614932348
4119313888960	411931	3888960	0.007226518	0.006513523	0.006157026	0	0	0	0	0	0	0	0.006157026	0.00018014	1.0045E-07	1.22268E-06	1.32313E-06	1.323127806
4119513888960	411951	3888960	0.006100652	0.00549874	0.005197783	0	0	0	0	0	0	0	0.005197783	0.000152075	8.47998E-08	1.03219E-06	1.11699E-06	1.116989221
4120513888960	412051	3888960	0.003351236	0.003020591	0.002855268	0	0	0	0	0	0	0	0.002855268	8.35386E-05	4.65826E-08	5.67007E-07	6.13589E-07	0.613589167
4120713888960	412071	3888960	0.003066474	0.002763925	0.00261265	0	0	0	0	0	0	0	0.00261265	7.64402E-05	4.26244E-08	5.18827E-07	5.61451E-07	0.561451197
4121713888960	412171	3888960	0.002141663	0.001930359	0.001824706	0	0	0	0	0	0	0	0.001824706	5.33867E-05	2.97694E-08	3.62355E-07	3.92124E-07	0.392124359
4121913888960	412191	3888960	0.002018168	0.001819048	0.001719488	0	0	0	0	0	0	0	0.001719488	5.03083E-05	2.80528E-08	3.4146E-07	3.69513E-07	0.369513229
4122113888960	412211	3888960	0.001908231	0.001719958	0.001625821	0	0	0	0	0	0	0	0.001625821	4.75678E-05	2.65246E-08	3.2286E-07	3.49384E-07	0.349384431
4122313888960	412231	3888960	0.00180831	0.001629895	0.001540688	0	0	0	0	0	0	0	0.001540688	4.5077E-05	2.51357E-08	3.05954E-07	3.3109E-07	0.331089617
4118513888980	411851	3888980	0.021000962	0.018928931	0.017892915	0	0	0	0	0	0	0	0.017892915	0.000523506	2.91916E-07	3.55322E-06	3.84514E-06	3.845137766
4118713888980	411871	3888980	0.014891507	0.013422256	0.012687631	0	0	0	0	0	0	0	0.012687631	0.000371211	2.06994E-07	2.51954E-06	2.72654E-06	2.72653668
4118913888980	411891	3888980	0.011191622	0.010087416	0.009535313	0	0	0	0	0	0	0	0.009535313	0.000278981	1.55565E-07	1.89355E-06	2.04911E-06	2.049112268
4119113888980	411911	3888980	0.008828921	0.007957827	0.00752228	0	0	0	0	0	0	0	0.00752228	0.000220085	1.22723E-07	1.49379E-06	1.61652E-06	1.616517198
4119313888980	411931	3888980	0.00723724	0.006523187	0.006166161	0	0	0	0	0	0	0	0.006166161	0.000180408	1.00599E-07	1.22449E-06	1.32509E-06	1.325090859
4119513888980	411951	3888980	0.006103669	0.005501459	0.005200353	0	0	0	0	0	0	0	0.005200353	0.00015215	8.48418E-08	1.0327E-06	1.11754E-06	1.117541517
4120513888980	412051	3888980	0.003329563	0.003001056	0.002836803	0	0	0	0	0	0	0	0.002836803	8.29984E-05	4.62814E-08	5.6334E-07	6.09621E-07	0.609621038
4120713888980	412071	3888980	0.00304231	0.002742144	0.002592061	0	0	0	0	0	0	0	0.002592061	7.58378E-05	4.22885E-08	5.14738E-07	5.57027E-07	0.557026823
4121713888980	412171	3888980	0.002119416	0.001910307	0.001805752	0	0	0	0	0	0	0	0.001805752	5.28322E-05	2.94602E-08	3.58591E-07	3.88051E-07	0.388051174
4121913888980	412191	3888980	0.001996889	0.001799868	0.001701358	0	0	0	0	0	0	0	0.001701358	4.97778E-05	2.7757E-08	3.3786E-07	3.65617E-07	0.365617139
4122113888980	412211	3888980	0.001887673	0.001701428	0.001608306	0	0	0	0	0	0	0	0.001608306	4.70553E-05	2.62389E-08	3.19382E-07	3.4562E-07	0.345620412
4122313888980	412231	3888980	0.001789162	0.001612637	0.001524374	0	0	0	0	0	0	0	0.001524374	4.45997E-05	2.48696E-08	3.02714E-07	3.27584E-07	0.327583736
4119113889000	411911	3889000	0.008892595	0.008015219	0.007576531	0	0	0	0	0	0	0	0.007576531	0.000221672	1.23608E-07	1.50457E-06	1.62818E-06	1.628175452
4119313889000	411931	3889000	0.0072867	0.006567767	0.006208301	0	0	0	0	0	0	0	0.006208301	0.000181641	1.01286E-07	1.23286E-06	1.33415E-06	1.334146717
4119513889000	411951	3889000	0.006132719	0.005527642	0.005225104	0	0	0	0	0	0	0	0.005225104	0.000152875	8.52456E-08	1.03761E-06	1.12286E-06	1.122860371
4119713889000	411971	3889000	0.005270696	0.00475067	0.004490657	0	0	0	0	0	0	0	0.004490657	0.000131386	7.32633E-08	8.91766E-07	9.6503E-07	0.965029701
4119913889000	411991	3889000	0.004608023	0.004153379	0.003926056	0	0	0	0	0	0	0	0.003926056	0.000114867	6.40521E-08	7.79647E-07	8.43699E-07	0.843698611
4120113889000	412011	3889000	0.004084714	0.003681701	0.003480195	0	0	0	0	0	0	0	0.003480195	0.000101823	5.6778E-08	6.91106E-07	7.47884E-07	0.747884211
4120313889000	412031	3889000	0.003662916	0.003301519	0.003120821	0	0	0	0	0	0	0	0.003120821	9.13081E-05	5.0915E-08	6.19741E-07	6.70656E-07	0.670655781
4120513889000	412051	3889000	0.003316907	0.002989649	0.00282602	0	0	0	0	0	0	0	0.00282602	8.26829E-05	4.61054E-08	5.61198E-07	6.07304E-07	0.607303795
4120713889000	412071	3889000	0.003027965	0.002729215	0.00257984	0	0	0	0	0	0	0	0.00257984	7.54802E-05	4.20891E-08	5.12311E-07	5.544E-07	0.554400414
4120913889000	412091	3889000	0.002784352	0.002509638	0.00237228	0	0	0	0	0	0	0	0.00237228	6.94075E-05	3.87028E-08	4.71094E-07	5.09796E-07	0.509796486
4121113889000	412111	3889000	0.002577281	0.002322997	0.002195855	0	0	0	0	0	0	0	0.002195855	6.42457E-05	3.58245E-08	4.36059E-07	4.71883E-07	0.471883147
4121313889000	412131	3889000	0.002397998	0.002161402	0.002043105	0	0	0	0	0	0	0	0.002043105	5.97766E-05	3.33325E-08	4.05725E-07	4.39058E-07	0.439057537
4119113889020	411911	3889020	0.008971039	0.008085924	0.007643366	0	0	0	0	0	0	0	0.007643366	0.000223627	1.24699E-07	1.51784E-06	1.64254E-06	1.642538157
4119313889020	411931	3889020	0.007317291	0.00659534	0.006234365	0	0	0	0	0	0	0	0.006234365	0.000182403	1.01711E-07	1.23804E-06	1.33975E-06	1.339747722
4119513889020	411951	3889020	0.006141588	0.005535636	0.005232661	0	0	0	0	0	0	0	0.005232661	0.000153096	8.53689E-08	1.03912E-06	1.12448E-06	1.124484242
4119713889020	411971	3889020	0.005264843	0.004745395	0.00448567	0	0	0	0	0	0	0	0.00448567	0.00013124	7.3182E-08	8.90776E-07	9.63958E-07	0.963958126
4119913889020	411991	3889020	0.00459576	0.004142326	0.003915609	0	0	0	0	0	0	0	0.003915609	0.000114562	6.38817E-08	7.77572E-07	8.41453E-07	0.841453407

Unique Identifier	X (UTM)	Y (UTM)	Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
			2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
4120113889020	412011	3889020	0.004069173	0.003667693	0.003466953	0	0	0	0	0	0	0	0.003466953	0.000101435	5.6562E-08	6.88477E-07	7.45039E-07	0.745038684
4120313889020	412031	3889020	0.003645916	0.003286196	0.003106337	0	0	0	0	0	0	0	0.003106337	9.08843E-05	5.06787E-08	6.16864E-07	6.67543E-07	0.667543111
4120513889020	412051	3889020	0.00330007	0.002974473	0.002811675	0	0	0	0	0	0	0	0.002811675	8.22632E-05	4.58714E-08	5.5835E-07	6.04221E-07	0.604221141
4120713889020	412071	3889020	0.003010637	0.002713596	0.002565076	0	0	0	0	0	0	0	0.002565076	7.50483E-05	4.18482E-08	5.09379E-07	5.51228E-07	0.551227712
4120913889020	412091	3889020	0.002767433	0.002494388	0.002357866	0	0	0	0	0	0	0	0.002357866	6.89858E-05	3.84677E-08	4.68231E-07	5.06699E-07	0.506698824
4121113889020	412111	3889020	0.002559543	0.002307009	0.002180742	0	0	0	0	0	0	0	0.002180742	6.38035E-05	3.5578E-08	4.33057E-07	4.68635E-07	0.468635405
4121313889020	412131	3889020	0.002380194	0.002145355	0.002027936	0	0	0	0	0	0	0	0.002027936	5.93328E-05	3.3085E-08	4.02713E-07	4.35798E-07	0.435797788
411251.663888860.7(	411251.66	3888860.8	0.000366764	0.000330577	0.000312484	0	0	0	0	0	0	0	0.000312484	9.14258E-06	5.09806E-09	6.2054E-08	6.7152E-08	0.067152024
411271.663888860.7(	411271.66	3888860.8	0.000386174	0.000348073	0.000329022	0	0	0	0	0	0	0	0.000329022	9.62643E-06	5.36787E-09	6.53381E-08	7.07059E-08	0.070705931
411291.663888860.7(	411291.66	3888860.8	0.000407207	0.000367031	0.000346943	0	0	0	0	0	0	0	0.000346943	1.01507E-05	5.66024E-09	6.88968E-08	7.4557E-08	0.074556997
411311.663888860.7(	411311.66	3888860.8	0.000430044	0.000387614	0.0003664	0	0	0	0	0	0	0	0.0003664	1.072E-05	5.97767E-09	7.27606E-08	7.87382E-08	0.07873824
411331.663888860.7(	411331.66	3888860.8	0.000454914	0.00041003	0.000387588	0	0	0	0	0	0	0	0.000387588	1.134E-05	6.32336E-09	7.69683E-08	8.32917E-08	0.083291683
411351.663888860.7(	411351.66	3888860.8	0.000482275	0.000434692	0.0004109	0	0	0	0	0	0	0	0.0004109	1.2022E-05	6.70368E-09	8.15977E-08	8.83014E-08	0.08830137
411371.663888860.7(	411371.66	3888860.8	0.000512177	0.000461644	0.000436377	0	0	0	0	0	0	0	0.000436377	1.27674E-05	7.11933E-09	8.6657E-08	9.37763E-08	0.093776307
411391.663888860.7(	411391.66	3888860.8	0.000544391	0.00049068	0.000463824	0	0	0	0	0	0	0	0.000463824	1.35704E-05	7.56711E-09	9.21074E-08	9.96745E-08	0.099674471
411251.663888880.7(	411251.66	3888880.8	0.000366419	0.000330267	0.000312191	0	0	0	0	0	0	0	0.000312191	9.134E-06	5.09328E-09	6.19957E-08	6.7089E-08	0.067088991
411271.663888880.7(	411271.66	3888880.8	0.000385945	0.000347866	0.000328827	0	0	0	0	0	0	0	0.000328827	9.62071E-06	5.36468E-09	6.52992E-08	7.06639E-08	0.070663908
411291.663888880.7(	411291.66	3888880.8	0.00040706	0.000366898	0.000346817	0	0	0	0	0	0	0	0.000346817	1.01471E-05	5.65818E-09	6.88718E-08	7.453E-08	0.074529982
411311.663888880.7(	411311.66	3888880.8	0.000430011	0.000387585	0.000366372	0	0	0	0	0	0	0	0.000366372	1.07192E-05	5.97721E-09	7.2755E-08	7.87322E-08	0.078732237
411331.663888880.7(	411331.66	3888880.8	0.000455012	0.000410119	0.000387672	0	0	0	0	0	0	0	0.000387672	1.13424E-05	6.32472E-09	7.6985E-08	8.33097E-08	0.083309692
411351.663888880.7(	411351.66	3888880.8	0.000482537	0.000434928	0.000411124	0	0	0	0	0	0	0	0.000411124	1.20285E-05	6.70733E-09	8.16421E-08	8.83494E-08	0.088349396
411371.663888880.7(	411371.66	3888880.8	0.000512571	0.000461999	0.000436713	0	0	0	0	0	0	0	0.000436713	1.27772E-05	7.1248E-09	8.67235E-08	9.38483E-08	0.093848346
411391.663888880.7(	411391.66	3888880.8	0.000545113	0.00049133	0.000464438	0	0	0	0	0	0	0	0.000464438	1.35884E-05	7.57714E-09	9.22294E-08	9.98065E-08	0.099806542
411251.663888900.7(	411251.66	3888900.8	0.000365747	0.000329661	0.000311618	0	0	0	0	0	0	0	0.000311618	9.11724E-06	5.08393E-09	6.1882E-08	6.69659E-08	0.066965925
411271.663888900.7(	411271.66	3888900.8	0.000385305	0.00034729	0.000328282	0	0	0	0	0	0	0	0.000328282	9.60477E-06	5.35579E-09	6.51911E-08	7.05468E-08	0.070546846
411291.663888900.7(	411291.66	3888900.8	0.00040647	0.000366366	0.000346314	0	0	0	0	0	0	0	0.000346314	1.01324E-05	5.64998E-09	6.87719E-08	7.44219E-08	0.074421924
411311.663888900.7(	411311.66	3888900.8	0.000429454	0.000387082	0.000365897	0	0	0	0	0	0	0	0.000365897	1.07053E-05	5.96946E-09	7.26607E-08	7.86302E-08	0.078630182
411331.663888900.7(	411331.66	3888900.8	0.000454487	0.000409646	0.000387225	0	0	0	0	0	0	0	0.000387225	1.13293E-05	6.31743E-09	7.68962E-08	8.32136E-08	0.083213641
411351.663888900.7(	411351.66	3888900.8	0.000481865	0.000434323	0.000410551	0	0	0	0	0	0	0	0.000410551	1.20118E-05	6.69799E-09	8.15283E-08	8.82263E-08	0.08822633
411371.663888900.7(	411371.66	3888900.8	0.000511817	0.000461319	0.00043607	0	0	0	0	0	0	0	0.00043607	1.27584E-05	7.11432E-09	8.6596E-08	9.37103E-08	0.093710272
411391.663888900.7(	411391.66	3888900.8	0.000544965	0.000491197	0.000464313	0	0	0	0	0	0	0	0.000464313	1.35847E-05	7.57509E-09	9.22044E-08	9.97795E-08	0.099779528
411411.663888900.7(	411411.66	3888900.8	0.00058154	0.000524163	0.000495475	0	0	0	0	0	0	0	0.000495475	1.44965E-05	8.08348E-09	9.83926E-08	1.06476E-07	0.10647612
411251.663888920.7(	411251.66	3888920.8	0.000364633	0.000328657	0.000310669	0	0	0	0	0	0	0	0.000310669	9.08945E-06	5.06844E-09	6.16934E-08	6.67618E-08	0.066761815
411271.663888920.7(	411271.66	3888920.8	0.000384207	0.0003463	0.000327346	0	0	0	0	0	0	0	0.000327346	9.57739E-06	5.34052E-09	6.50052E-08	7.03457E-08	0.070345738
411291.663888920.7(	411291.66	3888920.8	0.000405404	0.000365405	0.000345406	0	0	0	0	0	0	0	0.000345406	1.01058E-05	5.63517E-09	6.85917E-08	7.42268E-08	0.07422682
411311.663888920.7(	411311.66	3888920.8	0.000428421	0.000386152	0.000365017	0	0	0	0	0	0	0	0.000365017	1.06796E-05	5.95511E-09	7.2486E-08	7.84411E-08	0.078441081
411331.663888920.7(	411331.66	3888920.8	0.00045352	0.000408774	0.000386401	0	0	0	0	0	0	0	0.000386401	1.13052E-05	6.30399E-09	7.67326E-08	8.30365E-08	0.083036546
411351.663888920.7(	411351.66	3888920.8	0.000480898	0.000433451	0.000409727	0	0	0	0	0	0	0	0.000409727	1.19877E-05	6.68454E-09	8.13647E-08	8.80492E-08	0.088049235
411371.663888920.7(	411371.66	3888920.8	0.000510735	0.000460344	0.000435148	0	0	0	0	0	0	0	0.000435148	1.27314E-05	7.09928E-09	8.64129E-08	9.35122E-08	0.093512166
411391.663888920.7(	411391.66	3888920.8	0.000544211	0.000490517	0.00046367	0	0	0	0	0	0	0	0.00046367	1.35659E-05	7.5646E-09	9.20769E-08	9.96415E-08	0.099641454
411411.663888920.7(	411411.66	3888920.8	0.000581392	0.00052403	0.000495349	0	0	0	0	0	0	0	0.000495349	1.44928E-05	8.08143E-09	9.83677E-08	1.06449E-07	0.106449106
411251.663888940.7(	411251.66	3888940.8	0.000363157	0.000327327	0.000309411	0	0	0	0	0	0	0	0.000309411	9.05267E-06	5.04793E-09	6.14437E-08	6.64917E-08	0.06649167
411271.663888940.7(	411271.66	3888940.8	0.000382666	0.000344911	0.000326033	0	0	0	0	0	0	0	0.000326033	9.53898E-06	5.3191E-09	6.47445E-08	7.00636E-08	0.070063586
411291.663888940.7(	411291.66	3888940.8	0.000403863	0.000364016	0.000344093	0	0	0	0	0	0	0	0.000344093	1.00674E-05	5.61375E-09	6.83309E-08	7.39447E-08	0.073944668
411311.663888940.7(	411311.66	3888940.8	0.000426896	0.000384777	0.000363718	0	0	0	0	0	0	0	0.000363718	1.06415E-05	5.93392E-09	7.2228E-08	7.81619E-08	0.078161931
411331.663888940.7(	411331.66	3888940.8	0.000452012	0.000407415	0.000385116	0	0	0	0	0	0	0	0.000385116	1.12676E-05	6.28302E-09	7.64774E-08	8.27604E-08	0.082760398
411351.663888940.7(	411351.66	3888940.8	0.000479422	0.000432121	0.00040847	0	0	0	0	0	0	0	0.00040847	1.19509E-05	6.66403E-09	8.11151E-08	8.77791E-08	0.08777909
411371.663888940.7(	411371.66	3888940.8	0.000509358	0.000459103	0.000433975	0	0	0	0	0	0	0	0.000433975	1.26971E-05	7.08014E-09	8.61799E-08	9.326E-08	0.09326003
411391.663888940.7(	411391.66	3888940.8	0.000542916	0.00048935	0.000462567	0	0	0	0	0	0	0	0.000462567	1.35336E-05	7.5466E-09	9.18577E-08	9.94043E-08	0.099404327
411411.663888940.7(	411411.66	3888940.8	0.000580474	0.000523203	0.000494567	0	0	0	0	0	0	0	0.000494567	1.44699E-05	8.06867E-09	9.82123E-08	1.06281E-07	0.106281016
411431.663888940.7(	411431.66	3888940.8	0.000622115	0.000560735	0.000530045	0	0	0	0	0	0	0	0.000530045	1.55079E-05	8.64747E-09	1.05258E-07	1.13905E-07	0.113905106
411251.663888960.7(	411251.66	3888960.8	0.000361173	0.000325539	0.000307721	0	0	0	0	0	0	0	0.000307721	9.00322E-06	5.02036E-09	6.11081E-08	6.61285E-08	0.066128475
411271.663888960.7(	411271.66	3888960.8	0.000380748	0.000343182	0.000324399	0	0	0	0	0	0	0	0.000324399	9.49117E-06	5.29244E-09	6.442E-08	6.97124E-08	0.069712398
411291.663888960.7(	411291.66	3888960.8	0.000401896	0.000362243	0.000342417	0	0	0	0	0	0	0	0.000342417	1.00183E-05	5.5864E-09	6.79981E-08	7.35845E-08	0.073584475
411311.663888960.7(	411311.66	3888960.8	0.000424946	0.000383019	0.000362056	0	0	0	0	0	0	0	0.000362056	1.05929E-05	5.9068E-09	7.18979E-08	7.78047E-08	0.077804739
411331.663888960.7(	411331.66	3888960.8	0.000449963	0.000405568	0.00038337	0	0	0	0	0	0	0	0.00038337	1.12165E-05	6.25454E-09	7.61307E-08	8.23852E-08	0.082385196
411351.663888960.7(	411351.66	3888960.8	0.000477373	0.000430274	0.000406724	0	0	0	0	0	0	0	0.000406724	1.18998E-05	6.63555E-09	8.07683E-08	8.74039E-08	0.087403889
411371.663888960.7(	411371.66	3888960.8	0.000507407	0.000457344	0.000432313	0	0	0	0	0	0	0	0.000432313	1.26485E-05	7.05302E-09	8.58498E-08	9.29028E-08	0.092902839
411391.663888960.7(	411391.66	3888960.8	0.000540981	0.000487606	0.000460919	0	0	0	0	0	0	0	0.000460919	1.34854E-05	7.51971E-09	9.15304E-08	9.90501E-08	0.099050137
411411.663888960.7(	411411.66	3888960.8	0.000578638	0.000521548	0.000493002	0	0	0	0	0	0	0	0.000493002	1.44241E-05	8.04314E-09	9.79017E-08	1.05945E-07	0.105944835
411431.663888960.7(	411431.66	3888960.8	0.000619803	0.000558651	0.000528075	0	0	0	0	0	0	0	0.000528075	1.54503E-05	8.61534E-09	1.04867E-07	1.13482E-07	0.113481879
411251.663888980.7(	411251.66	3888980.8	0.000358682	0.000323293	0.000305598	0	0	0	0	0	0	0	0.000305598	8.94111E-06	4.98572E-09	6.06865E-08	6.56722E-08	0.065672231
411271.663888980.7(	411271.66	3888980.8	0.000378256	0.000340936	0.000322276	0	0	0	0	0	0	0	0.000322276	9.42905E-06	5.2578E-09	6.39983E-08	6.92562E-08	0.069256153
411291.663888980.7(	411291.66	3888980.8	0.000399404	0.000359997	0.000340294	0	0	0	0	0	0	0	0.000340294	9.95622E-06	5.55177E-09	6.75765E-08	7.31282E-08	0.07312823
411311.663888980.7(	411311.66	3888980.8	0.000422306	0.00038064	0.000359807	0	0	0	0	0	0	0	0.000359807	1.05271E-05	5.87011E-09	7.14514E-08	7.73215E-08	0.07732148
411331.663888980.7(	411331.66	3888980.8	0.000447307	0.000403174	0.000381107	0	0	0	0	0	0	0	0.000381107	1.11503E-05	6.21762E-09	7.56813E-08	8.18989E-08	0.081898936
411351.663888980.7(	411351.66	3888980.8	0.000474717	0.00042788	0.000404461	0	0	0	0	0	0	0	0.000404461	1.18336E-05	6.59863E-09	8.0319E-08	8.69176E-08	0.086917628
411371.663888980.7(	411371.66	3888980.8	0.000504882	0.000455069	0.000430162	0	0	0	0	0	0	0	0.000430162	1.25856E-05	7.01793E-09	8.54227E-08	9.24406E-08	0.092440591
411391.663888980.7(	411391.66	3888980.8	0.00053844	0.000485316	0.000458754	0	0	0	0	0	0	0	0.000458754	1.34221E-05	7.48439E-09	9.11005E-08	9.85849E-08	0.098584887
411411.663888980.7(	411411.66	3888980.8	0.000576097	0.000519257	0.000490837	0	0	0	0	0	0	0	0.000490837	1.43608E-05	8.00782E-09	9.74718E-08	1.0548E-07	0.105479586
411431.663888980.7(	411431.66	3888980.8	0.000617393	0.000556479	0.000526022	0	0	0	0	0	0	0	0.000526022	1.53902E-05	8.58185E-09	1.04459E-07	1.13041E-07	0.113040642

			Cal City Substation Civil Crew (Site Grading)	Cal City Substation Civil Crew (Channel Install & Additions)	Cal City Substation Civil Crew (Foundation)	Cal City Substation Electrical Crew	Cal City Substation Maintenance Crew	Cal City Substation Test Crew	Cal City Substation Test Crew and Wireman (Cutover)	Cal City Substation Demolition - Test Crew	Cal City Substation Demolition - Maintenance Crew	Cal City Substation Demolition - Electrical Crew	Cal City Substation Demolition - Civil Crew	Staging Areas	Child Risk			
Unique Identifier	X (UTM)	Y (UTM)	2026	2026	2026	2027	2027	2027	2027	2027	2027	2027	2028	2026	3rd Trimester	0<2	Total	per million
411251.663889000.7(	411251.66	3889000.8	0.000355763	0.000320663	0.000303112	0	0	0	0	0	0	0	0.000303112	8.86837E-06	4.94516E-09	6.01928E-08	6.51379E-08	0.065137944
411271.663889000.7(	411271.66	3889000.8	0.00037519	0.000338173	0.000319664	0	0	0	0	0	0	0	0.000319664	9.35263E-06	5.21519E-09	6.34797E-08	6.86949E-08	0.068694852
411291.663889000.7(	411291.66	3889000.8	0.000396256	0.00035716	0.000337612	0	0	0	0	0	0	0	0.000337612	9.87776E-06	5.50801E-09	6.70439E-08	7.25519E-08	0.072551921
411311.663889000.7(	411311.66	3889000.8	0.00041906	0.000377714	0.000357041	0	0	0	0	0	0	0	0.000357041	1.04462E-05	5.82499E-09	7.09022E-08	7.67272E-08	0.076727161
411331.663889000.7(	411331.66	3889000.8	0.000443815	0.000400027	0.000378132	0	0	0	0	0	0	0	0.000378132	1.10633E-05	6.16908E-09	7.50905E-08	8.12596E-08	0.081259593
411351.663889000.7(	411351.66	3889000.8	0.000471144	0.000424659	0.000401416	0	0	0	0	0	0	0	0.000401416	1.17445E-05	6.54896E-09	7.97143E-08	8.62633E-08	0.086263277
411251.663889020.7(	411251.66	3889020.8	0.000352616	0.000317825	0.00030043	0	0	0	0	0	0	0	0.00030043	8.7899E-06	4.90141E-09	5.96602E-08	6.45616E-08	0.064561635
411271.663889020.7(	411271.66	3889020.8	0.000371993	0.000335291	0.00031694	0	0	0	0	0	0	0	0.00031694	9.27294E-06	5.17076E-09	6.29388E-08	6.81095E-08	0.068109538
411291.663889020.7(	411291.66	3889020.8	0.000393043	0.000354264	0.000334875	0	0	0	0	0	0	0	0.000334875	9.79766E-06	5.46335E-09	6.65003E-08	7.19636E-08	0.071963606
411311.663889020.7(	411311.66	3889020.8	0.000415913	0.000374877	0.000354359	0	0	0	0	0	0	0	0.000354359	1.03677E-05	5.78124E-09	7.03696E-08	7.61509E-08	0.076150852
411331.663889020.7(	411331.66	3889020.8	0.00044011	0.000396687	0.000374976	0	0	0	0	0	0	0	0.000374976	1.09709E-05	6.11758E-09	7.44636E-08	8.05812E-08	0.080581229
411351.663889020.7(	411351.66	3889020.8	0.000467275	0.000421172	0.00039812	0	0	0	0	0	0	0	0.00039812	1.16481E-05	6.49518E-09	7.90597E-08	8.55549E-08	0.085554897
411251.663889040.7(	411251.66	3889040.8	0.000348665	0.000314264	0.000297064	0	0	0	0	0	0	0	0.000297064	8.69142E-06	4.84649E-09	5.89918E-08	6.38382E-08	0.063838247
411271.663889040.7(	411271.66	3889040.8	0.000367993	0.000331686	0.000313532	0	0	0	0	0	0	0	0.000313532	9.17323E-06	5.11515E-09	6.2262E-08	6.73771E-08	0.067377145
411291.663889040.7(	411291.66	3889040.8	0.000389027	0.000350644	0.000331452	0	0	0	0	0	0	0	0.000331452	9.69754E-06	5.40752E-09	6.58207E-08	7.12282E-08	0.071228211
411311.663889040.7(	411311.66	3889040.8	0.000411929	0.000371286	0.000350965	0	0	0	0	0	0	0	0.000350965	1.02684E-05	5.72586E-09	6.96956E-08	7.54215E-08	0.075421461
411331.663889040.7(	411331.66	3889040.8	0.000436897	0.000393791	0.000372238	0	0	0	0	0	0	0	0.000372238	1.08908E-05	6.07292E-09	7.392E-08	7.99929E-08	0.079992913
411351.663889040.7(	411351.66	3889040.8	0.000464455	0.00041863	0.000395718	0	0	0	0	0	0	0	0.000395718	1.15778E-05	6.45598E-09	7.85826E-08	8.50386E-08	0.08503862

Cal City Substation 115 kilovolt (kV) Upgrade Project

Cancer Risk Summary & Maximum Annual GLC for Chronic Calculations

Cancer Risk Summary

Max Risk: 5.836731

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
1197138888(	411971	3888860	0.712663456	1.018047	1.7307106
1199138888(	411991	3888860	0.667514659	0.896299	1.5638135
1201138888(	412011	3888860	0.626397413	0.800007	1.4264046
1203138888(	412031	3888860	0.589452859	0.72192	1.3113731
1205138888(	412051	3888860	0.556723115	0.657215	1.2139377
1207138888(	412071	3888860	0.527831744	0.602705	1.1305371
1209138888(	412091	3888860	0.501987897	0.556469	1.0584564
1211138888(	412111	3888860	0.479151816	0.516568	0.9957199
1213138888(	412131	3888860	0.459011504	0.481668	0.9406799
1215138888(	412151	3888860	0.441200062	0.450962	0.892162
1217138888(	412171	3888860	0.425432319	0.423842	0.8492747
1219138888(	412191	3888860	0.411442467	0.399601	0.8110438
1221138888(	412211	3888860	0.398928119	0.377693	0.7766207
1197138888(	411971	3888880	0.757789899	0.997489	1.755279
1199138888(	411991	3888880	0.709298293	0.877914	1.5872123
1201138888(	412011	3888880	0.665836886	0.783354	1.4491911
1203138888(	412031	3888880	0.627022811	0.706879	1.333902
1205138888(	412051	3888880	0.592931588	0.643563	1.2364948
1207138888(	412071	3888880	0.562910255	0.590282	1.1531919
1209138888(	412091	3888880	0.53630667	0.544987	1.081294
1211138888(	412111	3888880	0.51289175	0.505975	1.0188672
1213138888(	412131	3888880	0.492204964	0.471829	0.9640341
1215138888(	412151	3888880	0.473868625	0.441903	0.9157717
1217138888(	412171	3888880	0.457500683	0.415339	0.8728395
1219138888(	412191	3888880	0.442931101	0.391698	0.8346292
1221138888(	412211	3888880	0.429792907	0.370363	0.8001556
1185138889(	411851	3888900	1.260278714	3.850102	5.1103811
1187138889(	411871	3888900	1.170181891	2.727374	3.897556
1189138889(	411891	3888900	1.086241634	2.063037	3.1492784
1191138889(	411911	3888900	1.007421755	1.634893	2.6423148
1193138889(	411931	3888900	0.935075015	1.343995	2.27907
1195138889(	411951	3888900	0.869668663	1.136521	2.0061894
1197138889(	411971	3888900	0.81119013	0.982406	1.7935962
1199138889(	411991	3888900	0.759136167	0.864086	1.6232217
1201138889(	412011	3888900	0.712946479	0.77072	1.4836669
1203138889(	412031	3888900	0.672321113	0.695128	1.367449
1205138889(	412051	3888900	0.636594174	0.632742	1.2693366
1207138889(	412071	3888900	0.605282667	0.580253	1.185536
1209138889(	412091	3888900	0.577668829	0.535472	1.1131411
1211138889(	412111	3888900	0.553291095	0.497025	1.0503157
1213138889(	412131	3888900	0.531668468	0.463509	0.9951771
1215138889(	412151	3888900	0.512399537	0.43415	0.9465494
1217138889(	412171	3888900	0.495081786	0.408105	0.9031867
1185138889:	411851	3888920	1.392422994	3.852165	5.2445875
1187138889:	411871	3888920	1.284719596	2.722692	4.0074112
1189138889:	411891	3888920	1.185164012	2.051628	3.2367916
1191138889:	411911	3888920	1.094467506	1.622761	2.7172281
1193138889:	411931	3888920	1.012576641	1.332172	2.3447483
1195138889:	411951	3888920	0.939755519	1.125367	2.0651222
1197138889:	411971	3888920	0.875845471	0.97184	1.8476858
1199138889:	411991	3888920	0.81969125	0.85379	1.6734813
1201138889:	412011	3888920	0.77046461	0.761028	1.5314929
1203138889:	412031	3888920	0.727419107	0.685934	1.4133531
1205138889:	412051	3888920	0.689720954	0.623969	1.3136897
1207138889:	412071	3888920	0.656594377	0.571978	1.2285722
1209138889:	412091	3888920	0.627350725	0.527605	1.1549558
1211138889:	412111	3888920	0.601358325	0.489524	1.0908819

Max GLC for Chronic Calcs

Max GLC: 0.07063

XY	X	Y	2026	2027	2028	Max
4119713888860	411971	3888860	0.0355352	0.001374	0.0053287	0.0355352
4119913888860	411991	3888860	0.0179483	0.0012884	0.0047253	
4120113888860	412011	3888860	0.0162175	0.0012079	0.0042426	
4120313888860	412031	3888860	0.0147869	0.0011335	0.0038472	
4120513888860	412051	3888860	0.0135846	0.0010659	0.003517	
4120713888860	412071	3888860	0.0125613	0.0010053	0.0032373	
4120913888860	412091	3888860	0.0116834	0.0009505	0.0029986	
4121113888860	412111	3888860	0.0109215	0.0009018	0.0027919	
4121313888860	412131	3888860	0.0102539	0.0008588	0.002611	
4121513888860	412151	3888860	0.0096663	0.000821	0.0024518	
4121713888860	412171	3888860	0.0091477	0.0007879	0.0023114	
4121913888860	412191	3888860	0.0086855	0.0007589	0.0021861	
4122113888860	412211	3888860	0.0082694	0.0007334	0.0020732	
4119713888880	411971	3888880	0.0200532	0.0014513	0.0052663	
4119913888880	411991	3888880	0.0179225	0.0013575	0.0046695	
4120113888880	412011	3888880	0.0161998	0.0012707	0.0041921	
4120313888880	412031	3888880	0.0147792	0.0011913	0.0038021	
4120513888880	412051	3888880	0.0135877	0.0011202	0.0034769	
4120713888880	412071	3888880	0.0125754	0.0010573	0.0032018	
4120913888880	412091	3888880	0.0117067	0.001001	0.0029668	
4121113888880	412111	3888880	0.0109553	0.0009516	0.002764	
4121313888880	412131	3888880	0.0102969	0.0009083	0.0025865	
4121513888880	412151	3888880	0.0097195	0.0008706	0.002431	
4121713888880	412171	3888880	0.0092073	0.0008374	0.0022932	
4121913888880	412191	3888880	0.0087525	0.0008086	0.0021707	
4122113888880	412211	3888880	0.0083431	0.0007832	0.0020605	
4118513888900	411851	3888900	0.0664024	0.0022939	0.0189033	
4118713888900	411871	3888900	0.048842	0.0021582	0.0136204	
4118913888900	411891	3888900	0.0382632	0.0020257	0.0104719	
4119113888900	411911	3888900	0.0312884	0.001895	0.0084233	
4119313888900	411931	3888900	0.0264255	0.001769	0.0070155	
4119513888900	411951	3888900	0.0228626	0.0016496	0.0059986	
4119713888900	411971	3888900	0.0201457	0.0015383	0.0052336	
4119913888900	411991	3888900	0.0180076	0.0014357	0.0046388	
4120113888900	412011	3888900	0.0162829	0.0013421	0.0041641	
4120313888900	412031	3888900	0.0148624	0.0012584	0.0037763	
4120513888900	412051	3888900	0.0136741	0.001184	0.003454	
4120713888900	412071	3888900	0.012666	0.0011189	0.0031817	
4120913888900	412091	3888900	0.0118	0.0010616	0.0029486	
4121113888900	412111	3888900	0.011053	0.0010116	0.0027482	
4121313888900	412131	3888900	0.0104007	0.0009681	0.0025735	
4121513888900	412151	3888900	0.0098286	0.0009302	0.0024206	
4121713888900	412171	3888900	0.0093209	0.000897	0.0022851	
4118513888920	411851	3888920	0.0672367	0.0025139	0.0190076	
4118713888920	411871	3888920	0.0494718	0.0023518	0.0136819	
4118913888920	411891	3888920	0.0386973	0.0021941	0.0104913	
4119113888920	411911	3888920	0.0316368	0.0020421	0.0084302	
4119313888920	411931	3888920	0.0267155	0.0018971	0.0070156	
4119513888920	411951	3888920	0.0231117	0.0017617	0.005995	
4119713888920	411971	3888920	0.0203655	0.0016382	0.0052274	
4119913888920	411991	3888920	0.0182028	0.0015264	0.0046299	
4120113888920	412011	3888920	0.0164661	0.0014262	0.0041552	
4120313888920	412031	3888920	0.0150376	0.0013379	0.0037677	
4120513888920	412051	3888920	0.0138444	0.0012606	0.0034461	
4120713888920	412071	3888920	0.0128343	0.0011934	0.0031752	
4120913888920	412091	3888920	0.0119674	0.0011351	0.0029437	
4121113888920	412111	3888920	0.0112195	0.0010844	0.0027447	

Cancer Risk Summary

Max Risk: 5.836731

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
1213138889	412131	3888920	0.578152216	0.456452	1.0346041
1215138889	412151	3888920	0.557296554	0.427402	0.9846988
1217138889	412171	3888920	0.538470623	0.401724	0.9401941
1185138889	411851	3888940	1.549692858	3.833233	5.3829262
1187138889	411871	3888940	1.420775573	2.718063	4.1388387
1189138889	411891	3888940	1.302877998	2.045342	3.3482202
1191138889	411911	3888940	1.197640424	1.613915	2.8115552
1193138889	411931	3888940	1.105153953	1.323749	2.4289031
1195138889	411951	3888940	1.024557517	1.117956	2.1425133
1205138889	412051	3888940	0.754243457	0.617437	1.3716807
1207138889	412071	3888940	0.718382223	0.565509	1.2838916
1217138889	412171	3888940	0.588282904	0.396366	0.9846485
1219138889	412191	3888940	0.568937906	0.373721	0.9426594
1221138889	412211	3888940	0.551115634	0.353461	0.9045763
1223138889	412231	3888940	0.534581466	0.335193	0.8697743
1185138889	411851	3888960	1.743876886	3.858432	5.6023088
1187138889	411871	3888960	1.584120873	2.725654	4.3097751
1189138889	411891	3888960	1.442234436	2.045597	3.4878318
1191138889	411911	3888960	1.32157435	1.614932	2.9365067
1193138889	411931	3888960	1.216695238	1.323128	2.539823
1195138889	411951	3888960	1.128439873	1.116989	2.2454291
1205138889	412051	3888960	0.832132297	0.613589	1.4457215
1207138889	412071	3888960	0.792242234	0.561451	1.3536934
1217138889	412171	3888960	0.645071965	0.392124	1.0371963
1219138889	412191	3888960	0.622567035	0.369513	0.9920803
1221138889	412211	3888960	0.601851602	0.349384	0.951236
1223138889	412231	3888960	0.582320891	0.33109	0.9134105
1185138889	411851	3888980	1.991593161	3.845138	5.8367309
1187138889	411871	3888980	1.794282303	2.726537	4.520819
1189138889	411891	3888980	1.626180626	2.049112	3.6752929
1191138889	411911	3888980	1.484915828	1.616517	3.101433
1193138889	411931	3888980	1.365743058	1.325091	2.6908339
1195138889	411951	3888980	1.264257848	1.117542	2.3817994
1205138889	412051	3888980	0.925517769	0.609621	1.5351388
1207138889	412071	3888980	0.879438629	0.557027	1.4364655
1217138889	412171	3888980	0.707768435	0.388051	1.0958196
1219138889	412191	3888980	0.681478328	0.365617	1.0470955
1221138889	412211	3888980	0.657177761	0.34562	1.0027982
1223138889	412231	3888980	0.634464288	0.327584	0.962048
1191138890	411911	3889000	1.696421463	1.628175	3.3245969
1193138890	411931	3889000	1.555609532	1.334147	2.8897562
1195138890	411951	3889000	1.435730418	1.12286	2.5585908
1197138890	411971	3889000	1.332636621	0.96503	2.2976663
1199138890	411991	3889000	1.243137624	0.843699	2.0868362
1201138890	412011	3889000	1.164911059	0.747884	1.9127953
1203138890	412031	3889000	1.096097231	0.670656	1.766753
1205138890	412051	3889000	1.035106541	0.607304	1.6424103
1207138890	412071	3889000	0.980765944	0.5544	1.5351664
1209138890	412091	3889000	0.931941119	0.509796	1.4417376
1211138890	412111	3889000	0.887837894	0.471883	1.359721
1213138890	412131	3889000	0.847799838	0.439058	1.2868574
1191138890	411911	3889020	1.978248905	1.642538	3.6207871
1193138890	411931	3889020	1.801532733	1.339748	3.1412805
1195138890	411951	3889020	1.652430585	1.124484	2.7769148
1197138890	411971	3889020	1.524228434	0.963958	2.4881866
1199138890	411991	3889020	1.414347132	0.841453	2.2558005
1201138890	412011	3889020	1.318819136	0.745039	2.0638578
1203138890	412031	3889020	1.235171473	0.667543	1.9027146
1205138890	412051	3889020	1.161528411	0.604221	1.7657496
1207138890	412071	3889020	1.095534618	0.551228	1.6467623
1209138890	412091	3889020	1.036764892	0.506699	1.5434637
1211138890	412111	3889020	0.983748377	0.468635	1.4523838
1213138890	412131	3889020	0.935794281	0.435798	1.3715921

Max GLC for Chronic Calcs

Max GLC: 0.07063

XY	X	Y	2026	2027	2028	Max
4121313888920	412131	3888920	0.0105675	0.0010403	0.0025717	
4121513888920	412151	3888920	0.0099935	0.0010016	0.0024199	
4121713888920	412171	3888920	0.0094852	0.0009677	0.0022858	
4118513888940	411851	3888940	0.0678901	0.0027666	0.0190282	
4118713888940	411871	3888940	0.0502228	0.0025749	0.0137564	
4118913888940	411891	3888940	0.0393132	0.0023876	0.0105453	
4119113888940	411911	3888940	0.0321216	0.002209	0.0084609	
4119313888940	411931	3888940	0.027136	0.0020425	0.007039	
4119513888940	411951	3888940	0.0234937	0.0018903	0.0060158	
4120513888940	412051	3888940	0.0141136	0.0013536	0.0034557	
4120713888940	412071	3888940	0.0130923	0.0012845	0.0031844	
4121713888940	412171	3888940	0.009708	0.0010515	0.002297	
4121913888940	412191	3888940	0.0092473	0.0010195	0.0021779	
4122113888940	412211	3888940	0.0088329	0.0009907	0.0020712	
4122313888940	412231	3888940	0.0084572	0.0009644	0.0019748	
4118513888960	411851	3888960	0.0694111	0.0030648	0.0192738	
4118713888960	411871	3888960	0.0513011	0.002829	0.013901	
4118913888960	411891	3888960	0.0401372	0.0026034	0.0106394	
4119113888960	411911	3888960	0.0328586	0.0023962	0.0085462	
4119313888960	411931	3888960	0.027766	0.0022049	0.007106	
4119513888960	411951	3888960	0.0240667	0.0020367	0.0060743	
4120513888960	412051	3888960	0.0145029	0.0014677	0.0034869	
4120713888960	412071	3888960	0.0134607	0.001396	0.0032135	
4121713888960	412171	3888960	0.0099958	0.0011503	0.0023198	
4121913888960	412191	3888960	0.0095193	0.0011149	0.0021993	
4122113888960	412211	3888960	0.0090915	0.0010826	0.0020917	
4122313888960	412231	3888960	0.0086988	0.0010522	0.0019935	
4118513888980	411851	3888980	0.0706296	0.0034255	0.0193672	
4118713888980	411871	3888980	0.0525298	0.0031413	0.0140396	
4118913888980	411891	3888980	0.0412489	0.0028735	0.010772	
4119113888980	411911	3888980	0.033811	0.0026291	0.0086538	
4119313888980	411931	3888980	0.028633	0.0024114	0.007204	
4119513888980	411951	3888980	0.0248324	0.0022215	0.0061564	
4120513888980	412051	3888980	0.0149886	0.0016101	0.0035298	
4120713888980	412071	3888980	0.0139117	0.0015341	0.0032523	
4121713888980	412171	3888980	0.0103294	0.0012634	0.0023495	
4121913888980	412191	3888980	0.0098349	0.0012231	0.0022278	
4122113888980	412211	3888980	0.009389	0.0011858	0.0021187	
4122313888980	412231	3888980	0.0089821	0.0011509	0.0020197	
4119113889000	411911	3889000	0.035152	0.0029076	0.0088279	
4119313889000	411931	3889000	0.0298107	0.0026586	0.0073525	
4119513889000	411951	3889000	0.0258565	0.0024471	0.0062783	
4119713889000	411971	3889000	0.0228241	0.0022688	0.0054671	
4119913889000	411991	3889000	0.0204365	0.0021182	0.0048377	
4120113889000	412011	3889000	0.018511	0.0019902	0.0043367	
4120313889000	412031	3889000	0.016929	0.0018805	0.0039302	
4120513889000	412051	3889000	0.0156075	0.0017853	0.0035944	
4120713889000	412071	3889000	0.014486	0.0017018	0.0033123	
4120913889000	412091	3889000	0.0135238	0.0016274	0.0030727	
4121113889000	412111	3889000	0.0126914	0.0015606	0.0028675	
4121313889000	412131	3889000	0.0119601	0.0015001	0.0026887	
4119113889020	411911	3889020	0.0368877	0.0032585	0.0090457	
4119313889020	411931	3889020	0.0312336	0.002973	0.0075139	
4119513889020	411951	3889020	0.0270802	0.0027363	0.0064103	
4119713889020	411971	3889020	0.0238923	0.0025393	0.0055785	
4119913889020	411991	3889020	0.021394	0.0023735	0.0049371	
4120113889020	412011	3889020	0.0193788	0.0022317	0.0044274	
4120313889020	412031	3889020	0.0177212	0.0021086	0.0040138	
4120513889020	412051	3889020	0.0163364	0.0020003	0.0036726	
4120713889020	412071	3889020	0.0151527	0.0019034	0.0033843	
4120913889020	412091	3889020	0.0141379	0.0018166	0.0031397	
4121113889020	412111	3889020	0.0132536	0.0017377	0.0029286	
4121313889020	412131	3889020	0.0124768	0.0016657	0.0027448	

Cancer Risk Summary

Max Risk: 5.836731

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
51.6638888(	411251.66	3888860.8	0.542389386	0.067152	0.6095414
71.6638888(	411271.66	3888860.8	0.569480221	0.070706	0.6401862
91.6638888(	411291.66	3888860.8	0.598593996	0.074557	0.673151
11.6638888(	411311.66	3888860.8	0.629821089	0.078738	0.7085593
31.6638888(	411331.66	3888860.8	0.663389619	0.083292	0.7466813
51.6638888(	411351.66	3888860.8	0.699745042	0.088301	0.7880464
71.6638888(	411371.66	3888860.8	0.738579574	0.093776	0.8323559
91.6638888(	411391.66	3888860.8	0.779035565	0.099674	0.87871
51.6638888(	411251.66	3888880.8	0.567156798	0.067089	0.6342458
71.6638888(	411271.66	3888880.8	0.596758001	0.070664	0.6674219
91.6638888(	411291.66	3888880.8	0.628533856	0.07453	0.7030638
11.6638888(	411311.66	3888880.8	0.662795322	0.078732	0.7415276
31.6638888(	411331.66	3888880.8	0.699738229	0.08331	0.7830479
51.6638888(	411351.66	3888880.8	0.739928557	0.088349	0.828278
71.6638888(	411371.66	3888880.8	0.782989651	0.093848	0.876838
91.6638888(	411391.66	3888880.8	0.828431868	0.099807	0.9282384
51.6638889(	411251.66	3888900.8	0.592640049	0.066966	0.659606
71.6638889(	411271.66	3888900.8	0.62491412	0.070547	0.695461
91.6638889(	411291.66	3888900.8	0.659685626	0.074422	0.7341076
11.6638889(	411311.66	3888900.8	0.697305359	0.07863	0.7759355
31.6638889(	411331.66	3888900.8	0.737958358	0.083214	0.821172
51.6638889(	411351.66	3888900.8	0.782024456	0.088226	0.8702508
71.6638889(	411371.66	3888900.8	0.829592922	0.09371	0.9233032
91.6638889(	411391.66	3888900.8	0.88141049	0.09978	0.98119
11.6638889(	411411.66	3888900.8	0.937335055	0.106476	1.0438112
51.6638889:	411251.66	3888920.8	0.618315132	0.066762	0.6850769
71.6638889:	411271.66	3888920.8	0.653525735	0.070346	0.7238715
91.6638889:	411291.66	3888920.8	0.69166201	0.074227	0.7658888
11.6638889:	411311.66	3888920.8	0.733023092	0.078441	0.8114642
31.6638889:	411331.66	3888920.8	0.778004926	0.083037	0.8610415
51.6638889:	411351.66	3888920.8	0.826842062	0.088049	0.9148913
71.6638889:	411371.66	3888920.8	0.87961623	0.093512	0.9731284
91.6638889:	411391.66	3888920.8	0.938371877	0.099641	1.0380133
11.6638889:	411411.66	3888920.8	1.002668797	0.106449	1.1091179
51.6638889<	411251.66	3888940.8	0.643878624	0.066492	0.7103703
71.6638889<	411271.66	3888940.8	0.682154931	0.070064	0.7522185
91.6638889<	411291.66	3888940.8	0.723915353	0.073945	0.79786
11.6638889<	411311.66	3888940.8	0.769453631	0.078162	0.8476156
31.6638889<	411331.66	3888940.8	0.819244262	0.08276	0.9020047
51.6638889<	411351.66	3888940.8	0.873555124	0.087779	0.9613342
71.6638889<	411371.66	3888940.8	0.932759547	0.09326	1.0260196
91.6638889<	411391.66	3888940.8	0.99898696	0.099404	1.0983913
11.6638889<	411411.66	3888940.8	1.072684886	0.106281	1.1789659
31.6638889<	411431.66	3888940.8	1.153278556	0.113905	1.2671837
51.6638889(	411251.66	3888960.8	0.668667666	0.066128	0.7347961
71.6638889(	411271.66	3888960.8	0.710465992	0.069712	0.7801784
91.6638889(	411291.66	3888960.8	0.755998058	0.073584	0.8295825
11.6638889(	411311.66	3888960.8	0.80607947	0.077805	0.8838842
31.6638889(	411331.66	3888960.8	0.860838219	0.082385	0.9432234
51.6638889(	411351.66	3888960.8	0.921226547	0.087404	1.0086304
71.6638889(	411371.66	3888960.8	0.987697374	0.092903	1.0806002
91.6638889(	411391.66	3888960.8	1.062315539	0.09905	1.1613657
11.6638889(	411411.66	3888960.8	1.146208573	0.105945	1.2521534
31.6638889(	411431.66	3888960.8	1.237343637	0.113482	1.3508255
51.6638889:	411251.66	3888980.8	0.692135566	0.065672	0.7578078
71.6638889:	411271.66	3888980.8	0.737461378	0.069256	0.8067175
91.6638889:	411291.66	3888980.8	0.787111666	0.073128	0.8602399
11.6638889:	411311.66	3888980.8	0.841580286	0.077321	0.9189018
31.6638889:	411331.66	3888980.8	0.901853917	0.081899	0.9837529
51.6638889:	411351.66	3888980.8	0.968790066	0.086918	1.0557077
71.6638889:	411371.66	3888980.8	1.04334201	0.092441	1.1357826
91.6638889:	411391.66	3888980.8	1.127223728	0.098585	1.2258086
11.6638889:	411411.66	3888980.8	1.222328842	0.10548	1.3278084

Max GLC for Chronic Calcs

Max GLC: 0.07063

XY	X	Y	2026	2027	2028	Max
411251.663888860.	411251.66	3888860.8	0.004492	0.0010105	0.0007474	
411271.663888860.	411271.66	3888860.8	0.0047136	0.0010575	0.0007841	
411291.663888860.	411291.66	3888860.8	0.0049518	0.0011077	0.0008237	
411311.663888860.	411311.66	3888860.8	0.0052078	0.0011614	0.0008662	
411331.663888860.	411331.66	3888860.8	0.0054834	0.0012188	0.0009121	
411351.663888860.	411351.66	3888860.8	0.0057825	0.0012806	0.0009621	
411371.663888860.	411371.66	3888860.8	0.0061031	0.0013462	0.0010158	
411391.663888860.	411391.66	3888860.8	0.006439	0.0014139	0.0010723	
411251.663888880.	411251.66	3888880.8	0.0046504	0.0010572	0.0007672	
411271.663888880.	411271.66	3888880.8	0.0048873	0.0011081	0.0008057	
411291.663888880.	411291.66	3888880.8	0.0051417	0.0011626	0.0008472	
411311.663888880.	411311.66	3888880.8	0.005416	0.0012211	0.0008919	
411331.663888880.	411331.66	3888880.8	0.0057118	0.0012837	0.0009402	
411351.663888880.	411351.66	3888880.8	0.006034	0.0013515	0.0009928	
411371.663888880.	411371.66	3888880.8	0.0063797	0.0014236	0.0010494	
411391.663888880.	411391.66	3888880.8	0.0067458	0.001499	0.0011096	
411251.663888900.	411251.66	3888900.8	0.0048142	0.0011062	0.0007877	
411271.663888900.	411271.66	3888900.8	0.0050673	0.0011615	0.0008282	
411291.663888900.	411291.66	3888900.8	0.0053397	0.0012208	0.0008717	
411311.663888900.	411311.66	3888900.8	0.0056341	0.0012846	0.0009187	
411331.663888900.	411331.66	3888900.8	0.0059519	0.001353	0.0009695	
411351.663888900.	411351.66	3888900.8	0.0062963	0.0014267	0.0010246	
411371.663888900.	411371.66	3888900.8	0.006668	0.0015055	0.001084	
411391.663888900.	411391.66	3888900.8	0.0070732	0.0015907	0.0011489	
411411.663888900.	411411.66	3888900.8	0.007511	0.0016816	0.0012192	
411251.663888920.	411251.66	3888920.8	0.0049801	0.0011567	0.0008085	
411271.663888920.	411271.66	3888920.8	0.0052512	0.0012171	0.0008511	
411291.663888920.	411291.66	3888920.8	0.005544	0.0012819	0.0008971	
411311.663888920.	411311.66	3888920.8	0.0058609	0.0013517	0.0009468	
411331.663888920.	411331.66	3888920.8	0.0062047	0.001427	0.0010006	
411351.663888920.	411351.66	3888920.8	0.0065771	0.0015081	0.0010588	
411371.663888920.	411371.66	3888920.8	0.0069789	0.0015948	0.0011215	
411391.663888920.	411391.66	3888920.8	0.0074255	0.0016905	0.0011912	
411411.663888920.	411411.66	3888920.8	0.0079136	0.001794	0.0012675	
411251.663888940.	411251.66	3888940.8	0.0051465	0.0012085	0.0008295	
411271.663888940.	411271.66	3888940.8	0.0054365	0.0012742	0.0008744	
411291.663888940.	411291.66	3888940.8	0.0057517	0.0013453	0.0009231	
411311.663888940.	411311.66	3888940.8	0.006094	0.0014221	0.0009757	
411331.663888940.	411331.66	3888940.8	0.0064668	0.0015052	0.0010329	
411351.663888940.	411351.66	3888940.8	0.006872	0.001595	0.0010949	
411371.663888940.	411371.66	3888940.8	0.0073119	0.0016918	0.0011621	
411391.663888940.	411391.66	3888940.8	0.0078023	0.0017988	0.0012367	
411411.663888940.	411411.66	3888940.8	0.008346	0.0019164	0.0013193	
411431.663888940.	411431.66	3888940.8	0.0089388	0.0020428	0.0014092	
411251.663888960.	411251.66	3888960.8	0.0053089	0.0012603	0.0008501	
411271.663888960.	411271.66	3888960.8	0.0056215	0.0013324	0.0008979	
411291.663888960.	411291.66	3888960.8	0.0059603	0.0014103	0.0009494	
411311.663888960.	411311.66	3888960.8	0.0063309	0.001495	0.0010055	
411331.663888960.	411331.66	3888960.8	0.0067339	0.0015866	0.0010662	
411351.663888960.	411351.66	3888960.8	0.0071759	0.0016865	0.0011325	
411371.663888960.	411371.66	3888960.8	0.0076596	0.0017949	0.0012048	
411391.663888960.	411391.66	3888960.8	0.0081994	0.001915	0.0012851	
411411.663888960.	411411.66	3888960.8	0.0088027	0.0020479	0.0013744	
411431.663888960.	411431.66	3888960.8	0.0094541	0.0021894	0.0014703	
411251.663888980.	411251.66	3888980.8	0.0054636	0.0013109	0.0008698	
411271.663888980.	411271.66	3888980.8	0.0057992	0.0013899	0.0009204	
411291.663888980.	411291.66	3888980.8	0.0061645	0.0014755	0.0009753	
411311.663888980.	411311.66	3888980.8	0.0065627	0.0015684	0.0010348	
411331.663888980.	411331.66	3888980.8	0.0070004	0.0016699	0.0010998	
411351.663888980.	411351.66	3888980.8	0.007483	0.0017811	0.001171	
411371.663888980.	411371.66	3888980.8	0.0080165	0.0019032	0.0012493	
411391.663888980.	411391.66	3888980.8	0.008612	0.0020383	0.001336	
411411.663888980.	411411.66	3888980.8	0.0092816	0.0021888	0.0014328	

Cancer Risk Summary

Max Risk: 5.836731

XY	X	Y	Offroad Risk	Haul Risk	Total Risk
31.6638889	411431.66	3888980.8	1.327251758	0.113041	1.4402924
51.6638890	411251.66	3889000.8	0.714172514	0.065138	0.7793105
71.6638890	411271.66	3889000.8	0.762711673	0.068695	0.8314065
91.6638890	411291.66	3889000.8	0.816282284	0.072552	0.8888342
11.6638890	411311.66	3889000.8	0.875370665	0.076727	0.9520978
31.6638890	411331.66	3889000.8	0.940732123	0.08126	1.0219917
51.6638890	411351.66	3889000.8	1.014239957	0.086263	1.1005032
51.6638890	411251.66	3889020.8	0.734903251	0.064562	0.7994649
71.6638890	411271.66	3889020.8	0.786857052	0.06811	0.8549666
91.6638890	411291.66	3889020.8	0.84453317	0.071964	0.9164968
11.6638890	411311.66	3889020.8	0.908682624	0.076151	0.9848335
31.6638890	411331.66	3889020.8	0.978157127	0.080581	1.0587384
51.6638890	411351.66	3889020.8	1.05814538	0.085555	1.1437003
51.6638890	411251.66	3889040.8	0.752637156	0.063838	0.8164754
71.6638890	411271.66	3889040.8	0.807887288	0.067377	0.8752644
91.6638890	411291.66	3889040.8	0.869546316	0.071228	0.9407745
11.6638890	411311.66	3889040.8	0.938470711	0.075421	1.0138922
31.6638890	411331.66	3889040.8	1.015825761	0.079993	1.0958187
51.6638890	411351.66	3889040.8	1.103837701	0.085039	1.1888763

Max GLC for Chronic Calcs

Max GLC: 0.07063

XY	X	Y	2026	2027	2028	Max
411431.663888980.	411431.66	3888980.8	0.0100133	0.0023509	0.0015378	
411251.663889000.	411251.66	3889000.8	0.0056097	0.0013599	0.0008884	
411271.663889000.	411271.66	3889000.8	0.0059664	0.0014455	0.0009418	
411291.663889000.	411291.66	3889000.8	0.0063575	0.0015389	0.0009999	
411311.663889000.	411311.66	3889000.8	0.0067858	0.0016409	0.0010632	
411331.663889000.	411331.66	3889000.8	0.0072559	0.0017522	0.0011322	
411351.663889000.	411351.66	3889000.8	0.0077803	0.0018757	0.0012087	
411251.663889020.	411251.66	3889020.8	0.0057479	0.0014072	0.000906	
411271.663889020.	411271.66	3889020.8	0.0061279	0.0015	0.0009625	
411291.663889020.	411291.66	3889020.8	0.0065468	0.0016021	0.0010244	
411311.663889020.	411311.66	3889020.8	0.0070092	0.0017144	0.0010922	
411331.663889020.	411331.66	3889020.8	0.0075057	0.0018343	0.0011644	
411351.663889020.	411351.66	3889020.8	0.0080726	0.0019707	0.0012463	
411251.663889040.	411251.66	3889040.8	0.0058652	0.0014492	0.0009208	
411271.663889040.	411271.66	3889040.8	0.0062681	0.0015493	0.0009803	
411291.663889040.	411291.66	3889040.8	0.0067146	0.0016601	0.0010459	
411311.663889040.	411311.66	3889040.8	0.00721	0.0017827	0.0011182	
411331.663889040.	411331.66	3889040.8	0.0077615	0.0019188	0.001198	
411351.663889040.	411351.66	3889040.8	0.0083834	0.0020717	0.0012873	

Cal City Substation 115 kilovolt (kV) Upgrade Project

Maximum Individual Non-Cancer Impact Calculations - Sensitive Receptors (Maximum Impacted Senior Residential Receptor) (IMPACT AT ALL OTHER LOCATIONS ON THE PROJECT SITE WOULD BE LESS THAN SHOWN)

Maximum Non-cancer Chronic Hazards / Toxicological Endpoints*

Receptor Group	Pollutant	CREL[1]	CONC	WFrac	$CONC_{WF}$	HI		ALIM	BN	CVS	DEV	ENDC	EYE	HEM	IMMUN	KIDN	NS	REPRO	RESP	SK
Project:																				
MEI - Max	DPM	5.00E+00	7.06E-02	1.00E+00	7.06E-02	0.014		-	-	-	-	-	-	-	-	-	-	-	1.41E-02	-
							Total Risk				-			-				-	0.014	
							Threshold				1.00			1.00				1.00	1.00	
							Over?				NO			NO				NO	NO	

Notes:

1. California Air Resources Board, "Consolidated Table of OEHHA/ARB Approved Risk Assessment Health Values," "OEHHA/ARB Approved Chronic Reference Exposure Levels and Target Organs," "OEHHA/ARB Approved Acute Reference Exposure Levels and Target Organs," and "OEHHA/ARB Approved 8-Hour Reference Exposure Levels and Target Organs," http://www.arb.ca.gov/toxics/healthval/healthval.htm. Tables last updated: May 8, 2018. Downloaded: 08/14/18.

Source: ESA, 2020

Where:

$CONC_{WF}$	Pollutant Concentration ($\mu g/m^3$) multiplied by the weight fraction
CREL	Chronic Reference Exposure Level
HI	Hazard Index
MEI	Maximally Exposed Individual
WFrac	Weight fraction of speciated component

* Key to Toxicological Endpoints

ALIM	Alimentary Tract	EYE	Eye	NS	Nervous System
BN	Bone	HEM	Hematologic System	REPRO	Reproductive System
CVS	Cardiovascular System	IMMUN	Immune System	RESP	Respiratory System
DEV	Developmental System	KIDN	Kidney	SK	Skin
ENDC	Endocrine System				

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
4119713888860	411971	3888860	0.39593	3.39167	0.4279
4119913888860	411991	3888860	0.37126	2.98606	0.40047
4120113888860	412011	3888860	0.34806	2.66526	0.37606
4120313888860	412031	3888860	0.32662	2.40511	0.35459
4120513888860	412051	3888860	0.30715	2.18954	0.33594
4120713888860	412071	3888860	0.28969	2.00794	0.31969
4120913888860	412091	3888860	0.27391	1.8539	0.30528
4121113888860	412111	3888860	0.25986	1.72097	0.29263
4121313888860	412131	3888860	0.24746	1.6047	0.28148
4121513888860	412151	3888860	0.23657	1.5024	0.27156
4121713888860	412171	3888860	0.22703	1.41205	0.2627
4121913888860	412191	3888860	0.21868	1.33129	0.25475
4122113888860	412211	3888860	0.21135	1.2583	0.24753
4119713888880	411971	3888880	0.41822	3.32318	0.45716
4119913888880	411991	3888880	0.39117	2.92481	0.42813
4120113888880	412011	3888880	0.36617	2.60978	0.4027
4120313888880	412031	3888880	0.34329	2.355	0.38042
4120513888880	412051	3888880	0.32281	2.14406	0.36115
4120713888880	412071	3888880	0.30466	1.96655	0.34427
4120913888880	412091	3888880	0.28845	1.81565	0.32941
4121113888880	412111	3888880	0.27421	1.68568	0.31631
4121313888880	412131	3888880	0.26174	1.57192	0.30465
4121513888880	412151	3888880	0.25086	1.47222	0.29418
4121713888880	412171	3888880	0.24132	1.38372	0.2847
4121913888880	412191	3888880	0.23301	1.30496	0.27612
4122113888880	412211	3888880	0.2257	1.23388	0.26824
4118513888900	411851	3888900	0.66102	12.82679	0.78718
4118713888900	411871	3888900	0.6219	9.08637	0.72457
4118913888900	411891	3888900	0.58373	6.8731	0.66758
4119113888900	411911	3888900	0.54606	5.44672	0.61549
4119313888900	411931	3888900	0.50976	4.47758	0.56902
4119513888900	411951	3888900	0.47536	3.78637	0.52824
4119713888900	411971	3888900	0.44328	3.27293	0.49281
4119913888900	411991	3888900	0.4137	2.87874	0.46207
4120113888900	412011	3888900	0.38675	2.56769	0.43534
4120313888900	412031	3888900	0.36261	2.31585	0.41217
4120513888900	412051	3888900	0.34118	2.10801	0.39195
4120713888900	412071	3888900	0.32241	1.93314	0.37422
4120913888900	412091	3888900	0.3059	1.78395	0.35855
4121113888900	412111	3888900	0.2915	1.65586	0.34458
4121313888900	412131	3888900	0.27897	1.5442	0.332
4121513888900	412151	3888900	0.26806	1.44639	0.32059
4121713888900	412171	3888900	0.25848	1.35962	0.31016
4118513888920	411851	3888920	0.72442	12.83366	0.87432
4118713888920	411871	3888920	0.6777	9.07077	0.79944
4118913888920	411891	3888920	0.63226	6.83509	0.73198
4119113888920	411911	3888920	0.58844	5.4063	0.67241

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
4119313888920	411931	3888920	0.54667	4.43819	0.62034
4119513888920	411951	3888920	0.50766	3.74921	0.57549
4119713888920	411971	3888920	0.47206	3.23773	0.53719
4119913888920	411991	3888920	0.43984	2.84444	0.50427
4120113888920	412011	3888920	0.41098	2.5354	0.47589
4120313888920	412031	3888920	0.38553	2.28522	0.45124
4120513888920	412051	3888920	0.36327	2.07878	0.42963
4120713888920	412071	3888920	0.34389	1.90557	0.4105
4120913888920	412091	3888920	0.32708	1.75774	0.39338
4121113888920	412111	3888920	0.31249	1.63087	0.37789
4121313888920	412131	3888920	0.29976	1.52069	0.36383
4121513888920	412151	3888920	0.28862	1.42391	0.35096
4121713888920	412171	3888920	0.27885	1.33836	0.33912
4118513888940	411851	3888940	0.79724	12.77059	0.98008
4118713888940	411871	3888940	0.742	9.05535	0.88992
4118913888940	411891	3888940	0.68801	6.81415	0.81017
4119113888940	411911	3888940	0.63656	5.37683	0.74152
4119313888940	411931	3888940	0.58858	4.41013	0.68334
4119513888940	411951	3888940	0.5447	3.72452	0.63425
4120513888940	412051	3888940	0.39005	2.05702	0.47543
4120713888940	412071	3888940	0.37015	1.88402	0.45388
4121713888940	412171	3888940	0.30299	1.32051	0.37178
4121913888940	412191	3888940	0.29379	1.24507	0.35896
4122113888940	412211	3888940	0.28548	1.17757	0.34702
4122313888940	412231	3888940	0.27789	1.11671	0.33585
4118513888960	411851	3888960	0.88315	12.85454	1.11378
4118713888960	411871	3888960	0.8152	9.08064	1.00166
4118913888960	411891	3888960	0.75019	6.815	0.90571
4119113888960	411911	3888960	0.69048	5.38022	0.82756
4119313888960	411931	3888960	0.63537	4.40806	0.76213
4119513888960	411951	3888960	0.58689	3.7213	0.70871
4120513888960	412051	3888960	0.42294	2.0442	0.53028
4120713888960	412071	3888960	0.40228	1.8705	0.50516
4121713888960	412171	3888960	0.33148	1.30638	0.40826
4121913888960	412191	3888960	0.32126	1.23105	0.39297
4122113888960	412211	3888960	0.31195	1.16399	0.37882
4122313888960	412231	3888960	0.30321	1.10304	0.36545
4118513888980	411851	3888980	0.98709	12.81025	1.28874
4118713888980	411871	3888980	0.9052	9.08358	1.14868
4118913888980	411891	3888980	0.82804	6.82671	1.03511
4119113888980	411911	3888980	0.7576	5.3855	0.94403
4119313888980	411931	3888980	0.69488	4.4146	0.86976
4119513888980	411951	3888980	0.64015	3.72314	0.80754
4120513888980	412051	3888980	0.46397	2.03098	0.5948
4120713888980	412071	3888980	0.44206	1.85576	0.56426
4121713888980	412171	3888980	0.36407	1.29281	0.44765
4121913888980	412191	3888980	0.35245	1.21807	0.42954

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
4122113888980	412211	3888980	0.34171	1.15145	0.4128
4122313888980	412231	3888980	0.33165	1.09136	0.39717
4119113889000	411911	3889000	0.83785	5.42434	1.10003
4119313889000	411931	3889000	0.76611	4.44477	1.01043
4119513889000	411951	3889000	0.70515	3.74086	0.93406
4119713889000	411971	3889000	0.65377	3.21504	0.86757
4119913889000	411991	3889000	0.61037	2.81082	0.80891
4120113889000	412011	3889000	0.5735	2.49161	0.75681
4120313889000	412031	3889000	0.5419	2.23432	0.71033
4120513889000	412051	3889000	0.51445	2.02326	0.6687
4120713889000	412071	3889000	0.49039	1.84701	0.6313
4120913889000	412091	3889000	0.46896	1.69841	0.59755
4121113889000	412111	3889000	0.44971	1.5721	0.56698
4121313889000	412131	3889000	0.43227	1.46274	0.5392
4119113889020	411911	3889020	0.93896	5.47219	1.31243
4119313889020	411931	3889020	0.85669	4.46343	1.19394
4119513889020	411951	3889020	0.78849	3.74627	1.09302
4119713889020	411971	3889020	0.73172	3.21147	1.00479
4119913889020	411991	3889020	0.68396	2.80334	0.92847
4120113889020	412011	3889020	0.64308	2.48213	0.86162
4120313889020	412031	3889020	0.60761	2.22395	0.80283
4120513889020	412051	3889020	0.57641	2.01299	0.75105
4120713889020	412071	3889020	0.5485	1.83644	0.70461
4120913889020	412091	3889020	0.52347	1.68809	0.66339
4121113889020	412111	3889020	0.50073	1.56128	0.62633
4121313889020	412131	3889020	0.47998	1.45188	0.59295
411251.663888860.7	411251.7	3888861	0.29119	0.22372	0.33356
411271.663888860.7	411271.7	3888861	0.30472	0.23556	0.35101
411291.663888860.7	411291.7	3888861	0.3192	0.24839	0.36981
411311.663888860.7	411311.7	3888861	0.33466	0.26232	0.39003
411331.663888860.7	411331.7	3888861	0.35121	0.27749	0.41182
411351.663888860.7	411351.7	3888861	0.36903	0.29418	0.4355
411371.663888860.7	411371.7	3888861	0.38793	0.31242	0.4609
411391.663888860.7	411391.7	3888861	0.40744	0.33207	0.4875
411251.663888880.7	411251.7	3888881	0.30463	0.22351	0.34868
411271.663888880.7	411271.7	3888881	0.31932	0.23542	0.36782
411291.663888880.7	411291.7	3888881	0.33502	0.2483	0.38842
411311.663888880.7	411311.7	3888881	0.35186	0.2623	0.4107
411331.663888880.7	411331.7	3888881	0.36992	0.27755	0.4348
411351.663888880.7	411351.7	3888881	0.38945	0.29434	0.46111
411371.663888880.7	411371.7	3888881	0.41022	0.31266	0.48942
411391.663888880.7	411391.7	3888881	0.43194	0.33251	0.51945
411251.663888900.7	411251.7	3888901	0.31875	0.2231	0.36401
411271.663888900.7	411271.7	3888901	0.3347	0.23503	0.38493
411291.663888900.7	411291.7	3888901	0.35178	0.24794	0.40755
411311.663888900.7	411311.7	3888901	0.37016	0.26196	0.4321
411331.663888900.7	411331.7	3888901	0.38988	0.27723	0.45874

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
411351.663888900.7	411351.7	3888901	0.41111	0.29393	0.48773
411371.663888900.7	411371.7	3888901	0.43384	0.3122	0.51917
411391.663888900.7	411391.7	3888901	0.45838	0.33242	0.55359
411411.663888900.7	411411.7	3888901	0.48458	0.35473	0.59096
411251.663888920.7	411251.7	3888921	0.33333	0.22242	0.37918
411271.663888920.7	411271.7	3888921	0.35071	0.23436	0.40202
411291.663888920.7	411291.7	3888921	0.36939	0.24729	0.42687
411311.663888920.7	411311.7	3888921	0.38951	0.26133	0.45393
411331.663888920.7	411331.7	3888921	0.41121	0.27664	0.4835
411351.663888920.7	411351.7	3888921	0.43457	0.29334	0.51576
411371.663888920.7	411371.7	3888921	0.45957	0.31154	0.55081
411391.663888920.7	411391.7	3888921	0.48715	0.33196	0.59003
411411.663888920.7	411411.7	3888921	0.51697	0.35464	0.63323
411251.663888940.7	411251.7	3888941	0.34825	0.22152	0.39397
411271.663888940.7	411271.7	3888941	0.36718	0.23342	0.41877
411291.663888940.7	411291.7	3888941	0.38765	0.24635	0.44597
411311.663888940.7	411311.7	3888941	0.40978	0.2604	0.47578
411331.663888940.7	411331.7	3888941	0.43375	0.27572	0.50855
411351.663888940.7	411351.7	3888941	0.45962	0.29244	0.54451
411371.663888940.7	411371.7	3888941	0.4875	0.3107	0.58396
411391.663888940.7	411391.7	3888941	0.51834	0.33117	0.62836
411411.663888940.7	411411.7	3888941	0.55222	0.35408	0.67811
411431.663888940.7	411431.7	3888941	0.58866	0.37948	0.73299
411251.663888960.7	411251.7	3888961	0.36317	0.22031	0.40796
411271.663888960.7	411271.7	3888961	0.38396	0.23225	0.43495
411291.663888960.7	411291.7	3888961	0.40639	0.24515	0.46452
411311.663888960.7	411311.7	3888961	0.43081	0.25921	0.49724
411331.663888960.7	411331.7	3888961	0.45721	0.27447	0.53325
411351.663888960.7	411351.7	3888961	0.48598	0.29119	0.57323
411371.663888960.7	411371.7	3888961	0.51722	0.30951	0.61757
411391.663888960.7	411391.7	3888961	0.55182	0.32999	0.66771
411411.663888960.7	411411.7	3888961	0.59012	0.35296	0.72455
411431.663888960.7	411431.7	3888961	0.6309	0.37807	0.78694
411251.663888980.7	411251.7	3888981	0.37775	0.21879	0.42085
411271.663888980.7	411271.7	3888981	0.40051	0.23073	0.44995
411291.663888980.7	411291.7	3888981	0.42518	0.24363	0.48203
411311.663888980.7	411311.7	3888981	0.45194	0.2576	0.51746
411331.663888980.7	411331.7	3888981	0.4812	0.27285	0.55694
411351.663888980.7	411351.7	3888981	0.51325	0.28957	0.60113
411371.663888980.7	411371.7	3888981	0.54843	0.30797	0.65075
411391.663888980.7	411391.7	3888981	0.58737	0.32844	0.70708
411411.663888980.7	411411.7	3888981	0.63072	0.35141	0.77157
411431.663888980.7	411431.7	3888981	0.67745	0.3766	0.84357
411251.663889000.7	411251.7	3889001	0.39187	0.21701	0.43262
411271.663889000.7	411271.7	3889001	0.41653	0.22886	0.46356
411291.663889000.7	411291.7	3889001	0.44346	0.24171	0.49793
411311.663889000.7	411311.7	3889001	0.47283	0.25562	0.5361

AERMOD Results

XY	X	Y	CONC Construction Area	Conc Haul Route	Staging Area
411331.663889000.7	411331.7	3889001	0.50491	0.27072	0.57864
411351.663889000.7	411351.7	3889001	0.54049	0.28739	0.62687
411251.663889020.7	411251.7	3889021	0.40549	0.21509	0.44343
411271.663889020.7	411271.7	3889021	0.43224	0.22691	0.47627
411291.663889020.7	411291.7	3889021	0.46165	0.23975	0.51295
411311.663889020.7	411311.7	3889021	0.49401	0.2537	0.55402
411331.663889020.7	411331.7	3889021	0.52858	0.26846	0.59887
411351.663889020.7	411351.7	3889021	0.56789	0.28503	0.65089
411251.663889040.7	411251.7	3889041	0.4176	0.21268	0.45232
411271.663889040.7	411271.7	3889041	0.44645	0.22447	0.48693
411291.663889040.7	411291.7	3889041	0.47837	0.2373	0.52577
411311.663889040.7	411311.7	3889041	0.5137	0.25127	0.56946
411331.663889040.7	411331.7	3889041	0.55292	0.2665	0.61883
411351.663889040.7	411351.7	3889041	0.59698	0.28331	0.67544

Receptor Locations

XY	X	Y
411971388	411971	3888860
411991388	411991	3888860
412011388	412011	3888860
412031388	412031	3888860
412051388	412051	3888860
412071388	412071	3888860
412091388	412091	3888860
412111388	412111	3888860
412131388	412131	3888860
412151388	412151	3888860
412171388	412171	3888860
412191388	412191	3888860
412211388	412211	3888860
411971388	411971	3888880
411991388	411991	3888880
412011388	412011	3888880
412031388	412031	3888880
412051388	412051	3888880
412071388	412071	3888880
412091388	412091	3888880
412111388	412111	3888880
412131388	412131	3888880
412151388	412151	3888880
412171388	412171	3888880
412191388	412191	3888880
412211388	412211	3888880
411851388	411851	3888900
411871388	411871	3888900
411891388	411891	3888900
411911388	411911	3888900
411931388	411931	3888900
411951388	411951	3888900
411971388	411971	3888900
411991388	411991	3888900
412011388	412011	3888900
412031388	412031	3888900
412051388	412051	3888900
412071388	412071	3888900
412091388	412091	3888900
412111388	412111	3888900
412131388	412131	3888900
412151388	412151	3888900
412171388	412171	3888900
411851388	411851	3888920
411871388	411871	3888920

Receptor Locations

XY	X	Y
411891388	411891	3888920
411911388	411911	3888920
411931388	411931	3888920
411951388	411951	3888920
411971388	411971	3888920
411991388	411991	3888920
412011388	412011	3888920
412031388	412031	3888920
412051388	412051	3888920
412071388	412071	3888920
412091388	412091	3888920
412111388	412111	3888920
412131388	412131	3888920
412151388	412151	3888920
412171388	412171	3888920
411851388	411851	3888940
411871388	411871	3888940
411891388	411891	3888940
411911388	411911	3888940
411931388	411931	3888940
411951388	411951	3888940
412051388	412051	3888940
412071388	412071	3888940
412171388	412171	3888940
412191388	412191	3888940
412211388	412211	3888940
412231388	412231	3888940
411851388	411851	3888960
411871388	411871	3888960
411891388	411891	3888960
411911388	411911	3888960
411931388	411931	3888960
411951388	411951	3888960
412051388	412051	3888960
412071388	412071	3888960
412171388	412171	3888960
412191388	412191	3888960
412211388	412211	3888960
412231388	412231	3888960
411851388	411851	3888980
411871388	411871	3888980
411891388	411891	3888980
411911388	411911	3888980
411931388	411931	3888980
411951388	411951	3888980

Receptor Locations

XY	X	Y
412051388	412051	3888980
412071388	412071	3888980
412171388	412171	3888980
412191388	412191	3888980
412211388	412211	3888980
412231388	412231	3888980
411911388	411911	3889000
411931388	411931	3889000
411951388	411951	3889000
411971388	411971	3889000
411991388	411991	3889000
412011388	412011	3889000
412031388	412031	3889000
412051388	412051	3889000
412071388	412071	3889000
412091388	412091	3889000
412111388	412111	3889000
412131388	412131	3889000
411911388	411911	3889020
411931388	411931	3889020
411951388	411951	3889020
411971388	411971	3889020
411991388	411991	3889020
412011388	412011	3889020
412031388	412031	3889020
412051388	412051	3889020
412071388	412071	3889020
412091388	412091	3889020
412111388	412111	3889020
412131388	412131	3889020
411251.663	411251.7	3888861
411271.663	411271.7	3888861
411291.663	411291.7	3888861
411311.663	411311.7	3888861
411331.663	411331.7	3888861
411351.663	411351.7	3888861
411371.663	411371.7	3888861
411391.663	411391.7	3888861
411251.663	411251.7	3888881
411271.663	411271.7	3888881
411291.663	411291.7	3888881
411311.663	411311.7	3888881
411331.663	411331.7	3888881
411351.663	411351.7	3888881
411371.663	411371.7	3888881

Receptor Locations

XY	X	Y
411391.66	411391.7	3888881
411251.66	411251.7	3888901
411271.66	411271.7	3888901
411291.66	411291.7	3888901
411311.66	411311.7	3888901
411331.66	411331.7	3888901
411351.66	411351.7	3888901
411371.66	411371.7	3888901
411391.66	411391.7	3888901
411411.66	411411.7	3888901
411251.66	411251.7	3888921
411271.66	411271.7	3888921
411291.66	411291.7	3888921
411311.66	411311.7	3888921
411331.66	411331.7	3888921
411351.66	411351.7	3888921
411371.66	411371.7	3888921
411391.66	411391.7	3888921
411411.66	411411.7	3888921
411251.66	411251.7	3888941
411271.66	411271.7	3888941
411291.66	411291.7	3888941
411311.66	411311.7	3888941
411331.66	411331.7	3888941
411351.66	411351.7	3888941
411371.66	411371.7	3888941
411391.66	411391.7	3888941
411411.66	411411.7	3888941
411431.66	411431.7	3888941
411251.66	411251.7	3888961
411271.66	411271.7	3888961
411291.66	411291.7	3888961
411311.66	411311.7	3888961
411331.66	411331.7	3888961
411351.66	411351.7	3888961
411371.66	411371.7	3888961
411391.66	411391.7	3888961
411411.66	411411.7	3888961
411431.66	411431.7	3888961
411251.66	411251.7	3888981
411271.66	411271.7	3888981
411291.66	411291.7	3888981
411311.66	411311.7	3888981
411331.66	411331.7	3888981
411351.66	411351.7	3888981

Receptor Locations

XY	X	Y
411371.66:	411371.7	3888981
411391.66:	411391.7	3888981
411411.66:	411411.7	3888981
411431.66:	411431.7	3888981
411251.66:	411251.7	3889001
411271.66:	411271.7	3889001
411291.66:	411291.7	3889001
411311.66:	411311.7	3889001
411331.66:	411331.7	3889001
411351.66:	411351.7	3889001
411251.66:	411251.7	3889021
411271.66:	411271.7	3889021
411291.66:	411291.7	3889021
411311.66:	411311.7	3889021
411331.66:	411331.7	3889021
411351.66:	411351.7	3889021
411251.66:	411251.7	3889041
411271.66:	411271.7	3889041
411291.66:	411291.7	3889041
411311.66:	411311.7	3889041
411331.66:	411331.7	3889041
411351.66:	411351.7	3889041

Appendix G
Biological Resources

Cal City Substation 115 kV Upgrade Project

Biological Resources Technical Report

prepared for

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January 2023

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Acronyms and Abbreviations

ACEC	Areas of Critical Environmental Concern
AGOL	ArcGIS Online
amsl	above mean sea level
AOU	American Ornithologists' Union
Bargas	Bargas Environmental Consulting
BCC	Bird of Conservation Concern
BLM	Bureau of Land Management
BLM S	Bureau of Land Management Sensitive Species
BRTR	Biological Resources Technical Report
Cal-IPC	California Invasive Plant Council
CBOC	California Burrowing Owl Consortium
CDCA	California Desert Conservation Area
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFGC	California Fish and Game Code
CFR	Code of Federal Regulations
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CRPR	California Rare Plant Ranks
CWA	Clean Water Act
CWHR	California Wildlife Habitat Relationships
DRECP	Desert Renewable Energy Conservation Plan
°F	degrees Fahrenheit
FAC	Facultative
FACU	Facultative Upland
FACW	Facultative Wetland
FESA	Federal Endangered Species Act
FLPMA	Federal Land Policy Management Act
FR	Federal Register
FT	Federally Threatened

G	Global
GIS	Geographic Information System
GNA SNA	No Global and State rankings
IC	Ivanpah-Coolwater
IPaC	Information for Planning and Consultation
kV	kilovolt
LUPA	Land Use Planning Amendment
MBTA	Migratory Bird Treaty Act
MVA	megavolt-ampere
MVAR	megavolt-ampere reactive
NEPA	National Environmental Policy Act
NPPA	Native Plant Protection Act
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
NWPR	Navigable Waters Protection Rule
OBL	Obligate Wetland
OHWM	ordinary high water mark
OPGW	optical ground wire
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
ROW	right-of-way
RWQCB	Regional Water Quality Control Board
S	State
SCE	Southern California Edison
SSC	Species of Special Concern
ST	State Threatened
SummitWest	SummitWest Environmental Inc.
SWRCB	State Water Resources Control Board
TLRR	Transmission Line Rating Remediation
TNW	traditional navigable water
UPL	Upland
U.S.	United States
U.S. 395	U.S. Route 395
USACE	United States Army Corps of Engineers

USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
WBD	Watershed Boundary Dataset
WBWG	Western Bat Working Group
WDR	Waste Discharge Requirement
WL	Watch List Species
WRCC	Western Regional Climate Center

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Executive Summary

The Cal City Substation 115 kilovolt (kV) Upgrade Project (Proposed Project) consists of upgrades to Southern California Edison Company's (SCE) existing Cal City Substation, located in the City of California City, and construction of two new 115 kV subtransmission lines to serve the expanded substation. SCE has also identified one feasible alternative to a portion of the Proposed Project route alignment. The Proposed Project is in the Mojave Desert in eastern Kern County and northwestern San Bernardino County. The Proposed Project traverses the City of California City and Edwards Air Force Base. Land ownerships in the project area include federally owned lands managed by the Bureau of Land Management (BLM) and the Department of Defense, state owned lands managed by the California Department of Fish and Wildlife (CDFW), California City-owned lands, and privately owned lands.

This Biological Resources Technical Report documents vegetation communities, aquatic resources, special status species, and habitat for special status species that were observed in the Proposed Project biological study area (study area) from September through December 2021, March through April 2022, and September through November 2022. An assessment of the potential for special status species to occur in the study area is also provided. The study area for this analysis included Proposed Project disturbance areas, access roads, and material yards; each of which included an appropriate buffer to account for direct and indirect impacts to biological resources. Biological resource data from other SCE projects that overlapped the study area are also included in this report.

Twenty-five natural vegetation communities, one semi-natural community, and five other land cover types were identified in the study area. Vegetation communities were categorized to the alliance level; communities were further categorized to the association level when necessary to determine whether any CDFW sensitive natural communities were present. Of the vegetation communities and land cover types found in the study area, seven are considered sensitive natural communities by CDFW, including one community, Nevada Joint Fir – Cooper's goldenbush, mapped in historical project data provided by SCE:

- Joshua tree woodland (*Yucca brevifolia* Woodland Alliance)
- Nevada joint fir – Cooper's goldenbush scrub (*Ephedra nevadensis – Ericameria cooperi* Association)
- Nevada joint fir – Anderson's boxthorn scrub (*Lycium andersonii* Provisional Association)
- Spinescale scrub (*Atriplex spinifera* Shrubland Alliance)
- White bursage scrub (*Ambrosia dumosa* Shrubland Association)
- White bursage – Rayless goldenhead scrub (*Ambrosia dumosa – Acamptopappus sphaerocephalus* Association)
- Winterfat scrubland (*Krascheninnikovia lanata* Association)

Four special status plant species were observed in the study area during the 2021 and 2022 Proposed Project surveys or during surveys conducted within the study area from 2016 through 2019 for previous SCE projects:

- Pink funnel lily (*Androstephium breviflorum*) – California Rare Plant Rank (CRPR) 2B.2
- Mojave spineflower (*Chorizanthe spinosa*) – CRPR 4.2

- Desert cymopterus (*Cymopterus deserticola*) – CRPR 1B.2, BLM Sensitive Species (BLM S), Desert Renewable Energy Conservation Plan (DRECP) Focus Species
- Western Joshua tree (*Yucca brevifolia* var. *brevifolia*) – State Candidate Threatened

One additional special status plant species is likely to occur in the study area, but was not observed during 2021 or 2022 surveys:

- Barstow woolly sunflower (*Eriophyllum mohavense*) – CRPR 1B.2, BLM S, DRECP Focus Species

Eight special status wildlife species were observed in the study area during the 2021 and 2022 surveys:

- Mojave desert tortoise (*Gopherus agassizii*) – Federally Threatened (FT), State Threatened (ST)
- Cooper's hawk (*Accipiter cooperii*) – CDFW Watch List (WL)
- Burrowing owl (*Athene cunicularia*) – CDFW Species of Special Concern (SSC), BLM S, DRECP Focus Species, United States Fish and Wildlife Service (USFWS) Bird of Conservation Concern (BCC)
- California horned lark (*Eremophila alpestris actia*) – WL
- Prairie falcon (*Falco mexicanus*) – WL, BCC
- Loggerhead shrike (*Lanius ludovicianus*) – SSC, BCC
- LeConte's thrasher (*Toxostoma lecontei*) – BCC
- Desert kit fox (*Vulpes macrotis arsipus*) – California Fish and Game Code

Three additional special status wildlife species are likely to occur in the study area but were not observed during the 2021 or 2022 surveys:

- Golden eagle (*Aquila chrysaetos*, foraging only) – CDFW Fully Protected, WL, BLM S, DRECP Focus Species, BCC
- American badger (*Taxidea taxus*) – SSC
- Mohave ground squirrel (*Xerospermophilus mohavensis*) – ST, BLM S, DRECP Focus Species

Federally designated critical habitat for Mojave desert tortoise coincides with the eastern portion of the study area (see Figure 3: Conservation Areas).

Aquatic resources potentially subject to Lahontan Regional Water Quality Control Board and CDFW jurisdictions are present in the study area. Potential jurisdictional areas in the study area include isolated intrastate waters including vegetated channels, unvegetated channels, and culverts. No areas potentially meeting the state or federal wetland definitions were identified in the study area. Cache Creek is the only named aquatic resource in the study area.

1 Introduction

This Biological Resources Technical Report (BRTR) has been prepared for the Southern California Edison Company's (SCE) Cal City Substation 115 kilovolt (kV) Upgrade Project (Proposed Project). The purpose of this BRTR is to summarize the methods and results of vegetation community, habitat assessment, and aquatic resources surveys conducted for the Proposed Project. The BRTR is intended to assist SCE with project planning, Proponent's Environmental Assessment preparation, and to provide a framework for potential permitting, as needed.

1.1 Project Overview

The Proposed Project consists of upgrades to SCE's existing Cal City Substation, located in the City of California City, as well as construction of two new 115 kV subtransmission lines to serve the upgraded substation. The Proposed Project is intended to serve current and long-term forecasted electrical demand in portions of the City of California City and surrounding areas of unincorporated Kern County and Edwards Air Force Base (EAFB), provide diverse routes of power supply to the region, minimize reliance on Edwards Substation (located on military base) to provide power to surrounding off-base areas, and improve system reliability by providing a second 115 kV source line to Edwards Substation.

The Proposed Project is planned to be operational by 2028 and would include the following major components.

Subtransmission

The Proposed Project would include the following subtransmission-related components:

- Construct one new Kramer-Cal City 115 kV Subtransmission Line (approximately 42 miles)
- Construct one new Cal City-Edwards-Holgate 115 kV Subtransmission Line (approximately 28 miles)

Substation

The Proposed Project would include the following substation-related components:

- **Cal City Substation Improvements**
  - Expand the existing substation by approximately 10 acres
  - Install new five-position 115 kV switchrack with five positions initially equipped
  - Install new five-position 33 kV switchrack with five positions initially equipped
  - Install new 21-position 12 kV switchrack with 19 positions initially equipped
  - Install two 115 kV/33kV, 28 megavolt-ampere (MVA) transformers
  - Install four 115 kV/12 kV, 28 MVA transformers
  - Install one 115 kV, 28.8 megavolt-ampere reactive (MVAR) capacitor
  - Install two 33 kV, 4.8 MVAR capacitors
  - Install four 12 kV, 4.8 MVAR capacitors

  - Install a new MEER with the associated communication, control and protection for the expanded substation

- **Edwards Substation Improvements**
  - Equip one existing 115 kV line position
  - Expand existing 115 kV switchrack to a breaker-and-a-half configuration
  - Convert two 115 kV bank positions to a double bus, double breaker configuration
  - Install or upgrade protection for two 115 kV lines and two buses

- **Holgate Switchyard Improvements**
  - Equip one existing 115 kV line position
  - Upgrade protection for four 115 kV lines and the north 115 kV bus

- **Kramer Substation Improvements**
  - Equip one existing 115 kV line position
  - Convert two 115 kV bank positions to a double bus, double breaker configuration
    Install or upgrade protection for two 115 kV lines and two banks

Distribution

The Proposed Project would include the following distribution-related components:

- Construct two new underground 33 kV distribution getaways at Cal City Substation
- Construct 14 new underground 12 kV distribution getaways at Cal City Substation
- Transfer approximately 4.7 miles of existing Castle Butte 33 kV and approximately 1.7 miles of existing Isner 33 kV Distribution Lines to new Kramer-Cal City 115 kV Subtransmission Line structures and remove approximately 151 existing distribution structures along these line segments
- Transfer approximately 2.3 miles of existing Castle Butte 33 kV and approximately 2 miles of existing Conte 12 kV Distribution Lines to new Cal City-Edwards-Holgate 115 kV Subtransmission Line structures and remove approximately 90 existing distribution structures along these line segments

Telecommunication

The Proposed Project would include the following telecommunication-related components:

- Install equipment to support substation automation and protection requirements at Cal City Substation
- Install optical ground wire (OPGW) on new Kramer-Cal City 115 kV Subtransmission Line (approximately 42 miles)
- Install OPGW on new Cal City-Edwards-Holgate 115 kV Subtransmission Line (approximately 28 miles)
- Install equipment at Kramer and Edwards Substations and Holgate Switchyard in support of the new OPGW

1.2 Project Location

The Proposed Project is located within unincorporated Kern and San Bernardino counties and the incorporated City of California City (Figure 1). The proposed approximately 42-mile Kramer-Cal City 115 kV Subtransmission Line would extend northeast from Cal City Substation and cross the county line into San Bernardino County before continuing south along U.S. Route 395 (U.S. 395) and connecting to Kramer Substation. The proposed approximately 28-mile Cal City-Edwards-Holgate 115 kV Subtransmission Line would generally extend east and then south from Cal City Substation before turning east at Suckow Road to connect to Holgate Switchyard. The Cal City-Edwards-Holgate 115 kV Subtransmission Line would also include a tap line to serve Edwards Substation located on Edwards Air Force Base. The Edwards tap line would extend south from the intersection of Suckow Road and 140th Street for approximately 3 miles to connect to Edwards Substation.

In addition to the proposed 115 kV subtransmission lines described above, the Proposed Project includes a telecommunications scope that consists of telecommunications improvements at Holgate Switchyard and Cal City, Kramer, and Edwards Substations, as well as along both proposed new subtransmission lines.

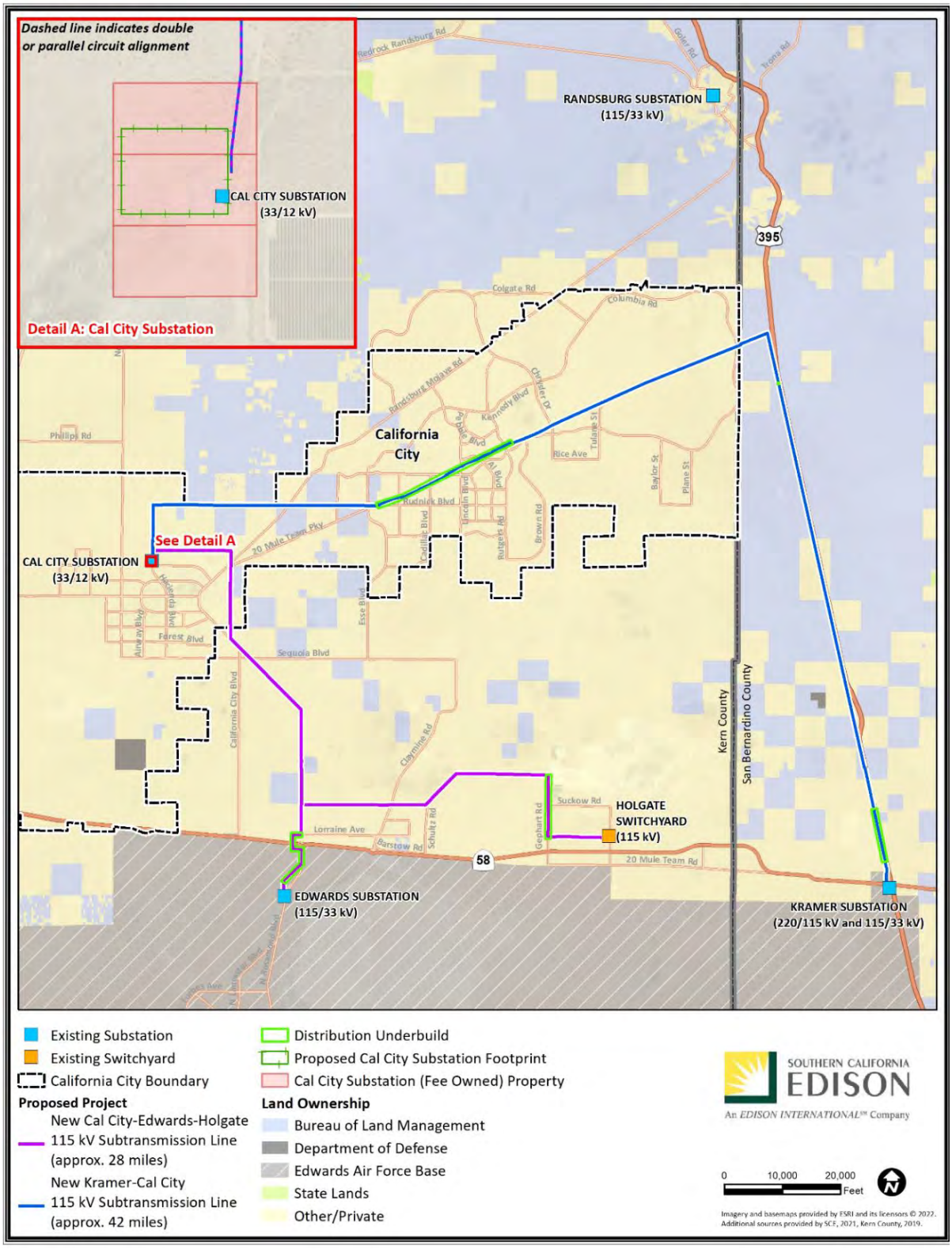
The locations of the start and end of the Proposed Project subtransmission and telecommunications components described above are summarized in Table 1.

Table 1 Study Area Start and End Locations

Project Component	Approximate Start Coordinates (WGS84)	Approximate End Coordinates (WGS84)
New Kramer-Cal City 115 kV Subtransmission Line	34.99032224, -117.54365076	35.14289368, -117.96832962
New Cal City-Edwards-Holgate 115 kV Subtransmission Line[1]	35.01385181, -117.70839072	35.14289368, -117.96832962

[1] This line includes an approximately three-mile tap line serving Edwards Substation. The approximate start coordinates for the proposed Edwards tap line are 35.02830628, -117.88136771. The approximate end coordinates for the proposed Edwards tap line are 34.98499339, -117.89113969.

Figure 1 Proposed Project Alignment



The proposed Kramer-Cal City 115 kV Subtransmission Line occurs within the following United States Geological Survey (USGS) 7.5-minute topographic quadrangles: California City North, Galileo Hill, Boron NW, Boron NE, Saddleback Mountain, and Kramer Junction (USGS 2011). The proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line is depicted on the following USGS 7.5-minute topographic quadrangles: California City North, California City South, North Edwards, Edwards, and Boron (USGS 2011). The townships and ranges of each quadrangle are summarized in Table 2.

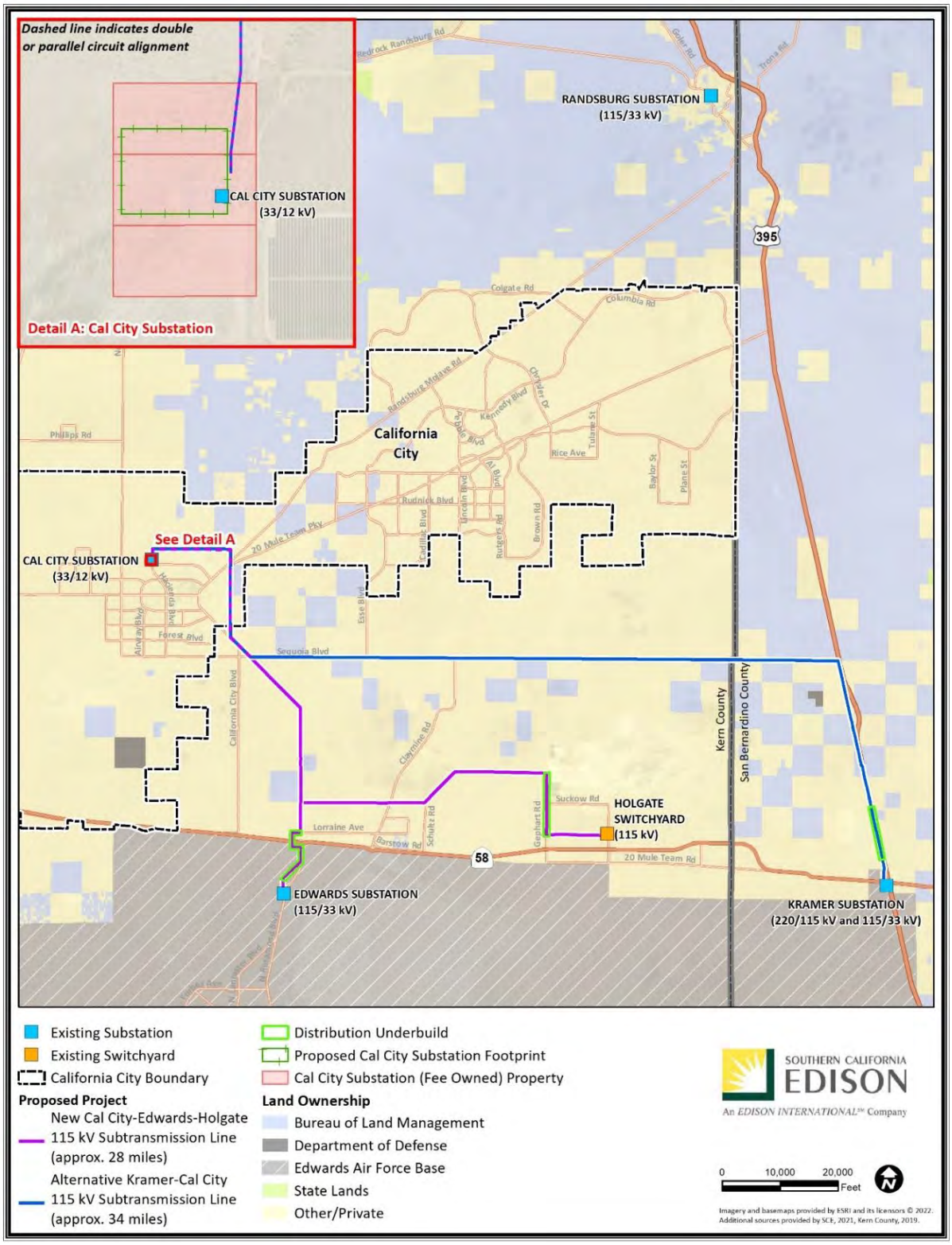
Table 2 7.5-Minute Topographical Quadrangle Locations

Project Component	USGS Quadrangle	Township and Range
New Kramer-Cal City 115 kV Subtransmission Line	California City North	32.0S37.0E, 32.0S38.0E
	Galileo Hill	31.0S39.0E, 32.0S38.0E, 32.0S39.0E
	Boron NW	31.0S39.0E, 31.0S41.0E
	Boron NE	31.0S41.0E, 32.0S41.0E
	Saddleback Mtn.	11.0N06.0W, 11.0N07.0W, 12.0N07.0W, 32.0S41.0E
	Kramer Junction	10.0N06.0W, 11.0N06.0W
New Cal City-Edwards-Holgate 115 kV Subtransmission Line	California City North	32.0S37.0E, 32.0S38.0E
	California City South	11.0N09.0W, 11.0N10.0W, 12.0N10.0W, 32.0S38.0E
	North Edwards	11.0N08.0W, 11.0N09.0W
	Edwards	10.0N10.0W, 11.0N09.0W
	Boron	11.0N08.0W

1.3 Project Alternative

SCE has identified one feasible alternative to a portion of the Proposed Project route alignment described above. Under this Project Alternative (Figure 2), the Cal City-Edwards-Holgate 115 kV Subtransmission Line would remain unchanged from the Proposed Project; however, the proposed Kramer-Cal City 115 kV Subtransmission Line would extend from Cal City Substation following the proposed Cal City-Edwards-Holgate line in a parallel or double circuit configuration for approximately 7 miles before turning east along Sequoia Boulevard, an existing unpaved road, for approximately 19 miles. The alternative alignment for the Kramer-Cal City 115 kV Subtransmission Line would then continue south for approximately 8 miles along U.S. 395 and connect to Kramer Substation, similar to the Proposed Project. Under the Project Alternative, the proposed Kramer-Cal City 115 kV Subtransmission Line would extend for approximately 34 miles, as compared to approximately 42 miles under the Proposed Project. All other components of the Proposed Project would remain the same for the Project Alternative.

Figure 2 Proposed Alternative Alignment



1.4 Regulatory Overview

Regulated or sensitive resources evaluated in this BRTR include special status plant and wildlife species, nesting birds and raptors, sensitive plant communities, jurisdictional waters and wetlands, wildlife movement corridors, and locally protected resources. Regulatory authority over biological and aquatic resources is shared by Federal, State, and local agencies. A detailed regulatory background for the Proposed Project is in Appendix A – Regulatory Framework.

1.4.1 Sensitive Biological Resources

For this BRTR, vegetation communities and plant and wildlife taxa were considered sensitive or special status if they were classified as one or more of the following:

- Species listed as threatened, endangered, or candidates for listing under the Federal Endangered Species Act (FESA)
- Species listed as rare, threatened, endangered, or candidates for listing under the California Endangered Species Act (CESA)
- Plants listed as rare or endangered under the California Native Plant Protection Act (California Fish and Game Code [CFGC], Section 1900 et seq.)
- Species designated as Fully Protected, Species of Special Concern (SSC), or Watch List (WL) by CDFW
- Species designated as Sensitive by the BLM (BLM S)
- Birds designated as Birds of Conservation Concern (BCC) by the United States Fish and Wildlife Service (USFWS)
- Focus Species in the Desert Renewable Energy Conservation Plan (DRECP) Land Use Plan Amendment (LUPA) (BLM et al. 2016)
- Plants assigned a California Rare Plant Rank (CRPR) of 1 through 4 by the California Native Plant Society (CNPS)
- Natural communities designated as sensitive by CDFW, based on NatureServe's (2012) methodologies to rank communities at both the Global (G) and State (S) levels, resulting in a rank ranging from 1 (very rare and threatened) to 5 (demonstrably secure). Natural communities with ranks of S1-S3 are considered sensitive natural communities (CDFW 2022c).
- Species protected under the Federal Bald and Golden Eagle Protection Act
- Bats considered by the Western Bat Working Group to be "high" or "medium" priority (WBWG 2017)
- Species designated as locally important by the Local Agency (San Bernardino County, Kern County, and City of California City) and/or otherwise protected through ordinance or local policy

1.4.2 Environmental Regulatory Framework

The following laws, regulations, and management policies provide the regulatory framework for assessing the potential impacts of the Proposed Project on biological resources (Appendix A):

- California Environmental Quality Act (CEQA)
- National Environmental Policy Act (NEPA)
- FESA

- CESA
- Federal Clean Water Act (CWA)
- CFGC
- Migratory Bird Treaty Act (MBTA)
- The Bald and Golden Eagle Protection Act
- Porter-Cologne Water Quality Control Act (Porter-Cologne Act)
- Wetland Riparian Area Protection Policy
- Executive Order 11990 – Wetlands
- Executive Order 13112 – Invasive Species
- Native Plant Protection Act
- California Desert Native Plant Act
- DRECP LUPA
- San Bernardino Countywide Plan
- Kern County General Plan
- City of California City General Plan

1.4.3 Preliminary Agency Consultation

This section summarizes informal agency consultation that has occurred for the Proposed Project. Table 3 provides a summary of this history, including the dates, agencies involved, purpose, and outcome of meetings conducted in 2021 and 2022.

Table 3 Agency Coordination

Date	Communication	Agencies	Purpose
October 4, 2021	Meeting (Virtual)	CDFW	Discussed survey access to parcels owned/managed by CDFW Region 4.
October 22, 2021	Meeting (Virtual)	CDFW	Discussed species survey and permitting approach for the Proposed Project with Region 4 staff. Agency staff indicated species protocol surveys are typically only valid for approximately one year and would be completed closer to Incidental Take Permit application submittal.
November 23, 2021	Meeting (Virtual)	CDFW	Discussed survey access to parcels owned/managed by CDFW Region 6.
December 10, 2021	Meeting (Virtual)	CDFW	Discussed species survey and permitting approach for the Proposed Project with Region 6 staff. Agency staff concurred with approach of using habitat assessment results to inform impact analysis, while completing species protocol surveys closer to project permitting.
August 1, 2022	Meeting (Virtual)	BLM	Discussed Proposed Project purpose and need, scope, and environmental review process, including surveys completed to date and anticipated permitting needs.
November 7, 2022	Meeting (Virtual)	California Public Utilities Commission (CPUC)	Discussed Proposed Project purpose and need, scope, and environmental review process, including surveys completed to date and anticipated permitting needs.

2 Methodology

2.1 Biological Study Area

The Proposed Project biological study area (study area) for this BRTR was initially identified in 2021 to include the Proposed Project disturbance area plus buffers to account for direct and indirect impacts to biological resources. A 100-foot buffer was used for the aquatic resource delineation and a 250-foot buffer was used for the habitat assessment, vegetation community mapping, and rare plant surveys completed in 2021 and 2022. Between the Cal City Substation and Sequoia Boulevard, the buffer for the aquatic resource survey was widened to 200 feet to accommodate the potential SCE right-of-way (ROW). Buffer widths for all surveys were reduced along the east side of the Proposed Project area to include only areas west of U.S. 395. Due to project design updates in September and October 2022, the 2021 study area was expanded in various locations along the Proposed Project and Project Alternative alignments (expanded areas). Areas for which vegetation community, habitat assessment, and aquatic resource survey data from the SCE Ivanpah-Coolwater-Kramer-Inyokern 115 kV Subtransmission Line Project Transmission Line Rating Remediation (TLRR) Project (IC Project) were available were generally excluded from all surveys except those for rare plants, as described in Section 2.2 and shown in Appendix G.

2.2 Database Queries and Literature Review

Database queries and a literature review were conducted to obtain baseline project information and compile lists of special status plant and wildlife species and sensitive biological resources that occur or potentially occur in the study area. Databases and other resources were initially accessed for 2021 surveys, and were then backchecked in 2022 to confirm accuracy.

The following databases and other resources were reviewed:

- **Aerial imagery of the study area.** (Google Earth Pro 2021, 2022)
- **CDFW California Natural Diversity Database (CNDDB) RareFind5.** Queries of the CNDDB included the study area plus a 5-mile buffer (CDFW 2021a, 2022a)
- **CNPS Online Inventory of Rare and Endangered Plants of California.** Query of the study area quadrangles (CNPS 2021a, 2022a)
- **USFWS Information for Planning and Consultation (IPaC).** An unofficial IPaC report was generated for the approximate Proposed Project study area to determine what federally listed species, critical habitat, migratory birds, or other federally regulated natural resources potentially occur (USFWS 2021b, 2022a) (Appendix B)
- **CDFW Special Animals List.** Results of the database queries were cross-referenced with CDFW's Special Animals List to determine the current conservation status of each species identified (CDFW 2021b, 2022b)
- **National Wetlands Inventory (NWI).** (USFWS 2021c, 2022b)
- **National Hydrology Dataset (NHD).** (USGS 2021, 2022)
- **Watershed Boundary (WBD) Dataset.** (USGS 2021, 2022)
- **Natural Resources Conservation Service (NRCS) Web Soil Survey.** (United States Department of Agriculture [USDA], NRCS 2021a, 2022a)
- **National List of Hydric Soils.** (USDA, NRCS 2021b, 2022b)

Reports and Geographic Information System (GIS) data in the study area from the following sources were reviewed prior to field surveys and for report preparation:

- SCE Ivanpah-Coolwater-Kramer-Inyokern 115 kV Subtransmission Line Project Transmission Line Rating Remediation (TLRR) Project (IC Project)
- SCE Kramer-Holgate 115kV Circuit TLRR Project
- SCE TESS Grid Technology and Modernization Project
- SCE Kramer Inyokern-Randsburg No. 3 TLRR Project
- SCE Kramer Junction TLRR Project
- DRECP – Vegetation Mapping
- Golden eagle (*Aquila chrysaetos*) survey GIS data from BioResource Consultants, BLM, USFWS Carlsbad Field Office, WEST Inc., and unidentified sources
- Protocol Mohave ground squirrel (*Xerospermophilus mohavensis*) surveys conducted by Aardvark Biological Services, LLC within the parcel containing the Cal City Substation and a portion of the parcel to the south between April and June in 2020 and 2021

Survey data from two previous projects, the SCE IC Project and a Rincon Consultants, Inc. (Rincon) due diligence project, are included in this report and in maps in Appendices G, H, I, and J. Survey data for the SCE IC Project was from surveys conducted by BRC-Equals3, Arcadis, Artemis Environmental Services, Inc., and Environmental Intelligence LLC along the west side of U.S. 395 and around the Kramer Substation in 2016, 2017, 2018, and 2019 as follows:

- Vegetation community mapping by BRC-Equals3 in 2017 and Arcadis in 2017 and 2018
- Habitat assessment by BRC-Equals3 in 2017, Environmental Intelligence in 2016 and 2017, and Artemis Environmental in 2019
- Jurisdictional delineations by BRC-Equals3 in 2017, including desktop revisions in 2019 (jurisdictional features only)

Rincon biologists conducted a biological and aquatic resource due diligence assessment (due diligence assessment) in the two parcels adjacent to the Cal City Substation parcel (Assessor's Parcel Numbers [APNs] 229-020-34 and 229-020-36) on September 1, 2021. Survey data from vegetation community mapping, an aquatic resources delineation, a habitat assessment, and a special status species occurrence evaluation survey are included in this BRTR.

2.3 Special Status Species Occurrence Evaluation

All special status species identified during the database queries and literature review were evaluated for their potential to occur within the study area. Potential occurrence was evaluated based on species' ranges, habitat preferences, occurrence records from the database queries, other SCE projects referenced in Section 2.2, and the results of Proposed Project field surveys. The potential for each special status species to occur in the study area was evaluated according to the following criteria:

- **Occurs.** The species or positive sign was definitively determined to be present in the study area during a site visit or field survey.

- **Absent.** The species or positive sign was not observed in the study area during protocol/focused surveys (wildlife), during the identifiable period after observation at a reference site (plants), and/or the study area lacks key habitat features.
- **Likely.** All study area features indicate this species is very likely present and should be expected according to the following criteria:
  - study area is within the species' geographic range/floristic province;
  - suitable habitat (e.g., soils, vegetation communities, elevation, roost sites, leaf litter/debris, water, host plants) is present; and
  - distance to CNDDB or other records from the past 25 years is within 1 mile (fish), 2 miles (plants), or 5 miles (mammals/birds/herps).
- **Unlikely.** Study area is within the species' geographic range and suitable habitat is present, but the species would not be expected to occur or be encountered according to the following criteria:
  - CNDDB or other records within 5 miles of the study area are over 25 years old; or
  - distance to records from the past 25 years is greater than one mile (fish), 2 miles (plants), or 5 miles (mammals/birds/herps).
- **Does Not Occur.** Species would not occur (or is very unlikely to occur) because the study area is outside the known or current geographic/elevation range, lacks habitat or suitable conditions, and/or there is reasonable certainty to assume absence. Other criteria include:
  - CNDDB or other records within 5 miles of the study area are over 75 years old and the lack of recent records is not due to:
  - the cryptic nature of the species;
  - delayed growth and/or long-lived seed bank;
  - a species that is rarely studied or hard to observe;
  - the study area has a paucity of records due to remoteness; or
  - there are few records for similar taxa.
  - CNDDB or other records within 5 miles of the study area are from the past 75 years but the locations are noted as a "best guess" or are otherwise inaccurate.

2.4 Survey Methodology

Vegetation community mapping, rare plant surveys, and reconnaissance-level field surveys of special status species' habitat and aquatic resources were conducted to determine the occurrence or potential occurrence of special status and sensitive biological resources in the study area. Vegetation community mapping, habitat assessment, and aquatic resource delineation surveys included the Proposed Project, Project Alternative, and the existing Kramer-Holgate Subtransmission Line between the Kramer Substation and Holgate Switchyard. Survey data related to the existing Kramer-Holgate Subtransmission Line will be used to support a separate SCE project. The field survey methods were informed by the desktop analysis and preliminary list of species with potential to occur in the study area. The study area was surveyed by walking transects where safe and accessible to attain 100 percent visual coverage of the study area. In areas where pedestrian access was restricted to public roads and approved access roads, the study area was viewed in the field with binoculars and/or assessed using desktop aerial imagery in Google Earth Pro© (Google

Earth Pro 2021, 2022). Data were collected using hand-held global positioning system units, photographs, and aerial field maps. Areas within the study area previously surveyed for the IC Project and due diligence assessment referenced in Section 2.2 were not included in field surveys.

No regulatory agency coordination was required for these surveys. Agency protocols were required only for the rare plant surveys. Additional surveys for specific special status species and protected resources, such as species-specific protocol surveys and jurisdictional delineations, will be conducted as needed and identified in further regulatory and permitting coordination closer to project implementation.

2.4.1 Vegetation Community Mapping

Bargas Environmental Consulting (Bargas) biologists conducted vegetation community mapping from September 20 through 24, October 25 through 29, and December 13 through 16, 2021. Bargas completed additional field mapping on September 27 and 28, October 26 and 27, 2022, and desktop analysis on November 8, 2022 in the expanded areas. As described in Section 2.1, the study area for vegetation community mapping consisted of a 250-foot buffer around the currently estimated Proposed Project disturbance footprint. Mapped white bursage scrub (*Ambrosia dumosa* Shrubland Alliance) locations were revisited and reclassified where needed by SummitWest Environmental, Inc. (SummitWest) from April 11 through April 16, 2022, when characteristic species were more identifiable. Representative site photographs were taken throughout the study area (Appendix C).

Natural and semi-natural vegetation community classification was based on the systems provided in the online database of *A Manual of California Vegetation, Second Edition* (CNPS 2021b, 2022b). Vegetation classifications were assigned, where applicable, at the two finest levels – alliance and association. All vegetation communities were categorized to the alliance level; communities were further categorized to the association level when necessary to determine whether any CDFW sensitive natural communities were present (CDFW 2022c). Classifications were modified as appropriate to reflect the existing site conditions (Sawyer et al. 2009, CNPS 2021b, 2022b). *The Jepson Manual: Vascular Plants of California, Second Edition* and online Jepson eFlora were used for plant identification and nomenclature (Baldwin et al. 2012; Jepson Flora Project 2021, 2022).

The study area overlaps with several SCE projects for which vegetation community data were already collected and recorded in ArcGIS Online (AGOL). In addition, AGOL documents vegetation community data imported from external sources for the DRECP area. These data were cross-referenced in the field during the fall 2021 mapping effort, and communities were updated as needed based on current field conditions.

Incidental observations of special status plant and wildlife species and other locally protected or sensitive resources such as cactus species, desert pavement, and cryptobiotic crust were recorded, if observed, during the vegetation community mapping surveys.

2.4.2 Habitat Assessment

SummitWest biologists conducted a field habitat assessment of the study area on September 27 through 30, and October 1, 11 through 14, and 19, 2021. A desktop habitat assessment was conducted for the expanded ROW between Cal City Substation and Sequoia Boulevard on December 8, 2021. SummitWest completed additional wildlife habitat assessment field surveys on September 27 and 28, October 26 and 27, 2022 and desktop analysis on November 8, 2022 in expanded areas. In the field, biologists evaluated habitat suitability and quality for sensitive wildlife species with potential to occur in the study area and documented the location of special status species

incidentally observed. Potential habitat for sensitive wildlife species was documented in field data. Polygons representing varying levels of habitat quality and inaccessible areas were later digitized and quantified using GIS. Habitat was mapped for sensitive species that would potentially require protocol-level surveys in the future, including Mojave desert tortoise (*Gopherus agassizii*), burrowing owl (*Athene cunicularia*), and Mohave ground squirrel, in Appendix I. Habitat for these three species mapped for the IC Project is also included in Appendix I. Habitat was not mapped or quantified for species with suitable habitat throughout the entire study area or for special status birds with no nesting habitat in the study area (e.g., golden eagle foraging habitat). Representative site photographs of species' habitat were taken throughout the study area and are included in Appendix C.

Habitat quality was categorized as "medium- to high-quality" or "low-quality to unsuitable" based on vegetation density, plant species composition, and disturbance level. Medium- to high-quality habitats consisted of pristine desert scrub with little to no disturbance. Low-quality to unsuitable habitats were heavily disturbed, developed, and/or lacked connectivity to surrounding suitable habitat.

2.4.3 Rare Plant Survey

SummitWest biologists conducted a rare plant survey and habitat assessment for rare plant species with potential to occur in the study area between March 24 and April 16, 2022. The rare plant survey was limited to the Proposed Project alignment and existing Kramer-Holgate Subtransmission Line, while the rare plant habitat assessment survey included those areas plus the Project Alternative. SummitWest completed additional rare plant habitat assessment surveys on September 27 and 28, and October 26 and 27, 2022 and desktop analysis on November 8, 2022 in the expanded areas. Details on survey methods, including photographs, are provided in Appendix F, Rare Plant Survey Report.

2.4.4 Aquatic Resources Survey

Bargas biologists conducted a reconnaissance-level aquatic resources delineation from September 20 through 24, October 11 through 15, October 18 through 19, and December 13 through 15 of 2021. Bargas completed additional delineation surveys on September 27 and 28, and October 26 and 27, 2022, and a desktop analysis on November 8, 2022 in expanded areas. This reconnaissance-level aquatic resources delineation is intended to support the Proposed Project design and maximize avoidance and minimization of impacts on jurisdictional waters, as the Proposed Project design is currently in development. It is anticipated that a formal jurisdictional delineation will be conducted when more final Proposed Project design data are available. The study area was surveyed for potential wetlands and non-wetland aquatic resources, including streams and ephemeral drainages, that exhibited an ordinary high water mark (OHWM) and would constitute waters of the U.S. and/or State. Biologists recorded general site characteristics, vegetation communities, soils, and hydrology associated with aquatic features. Current federal and state policies, methods, and guidelines were used to identify and delineate potential jurisdictional waters and are described below. For a more detailed description of the applicable jurisdictional regulations, see Appendix A. Since the reconnaissance-level aquatic resources delineation was not intended to be a formal jurisdictional delineation, the Arid West Ephemeral and Intermittent Stream OHWM Datasheet and Arid West Region Wetland Determination Data Forms were not completed.

Non-Wetland Waters of the United States

The lateral limits of United States Army Corps of Engineers (USACE) jurisdiction (i.e., width) of non-wetland waters were determined by the presence of physical characteristics indicative of the OHWM. The OHWM was identified in accordance with the applicable Code of Federal Regulations (CFR) sections (33 CFR 328.3 and 33 CFR 328.4) and Regulatory Guidance Letter 05-05 (USACE 2005), and in reference to various relevant technical publications, including, but not limited to: *Review of Ordinary High Water Mark Indicators for Delineating Arid Streams in the Southwestern United States* (USACE 2004), *Distribution of OHWM Indicators and Their Reliability in Identifying the Limits of "Waters of the United States" in Arid Southwestern Channels* (USACE 2006), and *A Field Guide to Identification of the OHWM in the Arid West Region of the United States* (USACE 2008b). The regulations were also reviewed in the determination of non-jurisdictional features including ephemeral drainages, artificially irrigated areas, and roadway ditches excavated in uplands.

Bargas biologists evaluated sources of water, potential connections, distances to traditional navigable waters (TNW) and streams that are perennial or intermittent in nature, and other factors that affect whether waters qualify as "waters of the United States" under the current USACE guidance. A more detailed regulatory definition of USACE jurisdiction is provided in Appendix A.

Wetland Waters of the United States

Potential wetland features were evaluated for presence of wetland indicators including hydrophytic vegetation, hydric soils, and wetland hydrology, according to routine delineation procedures in the Wetlands Delineation Manual (Environmental Laboratory 1987) and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (USACE 2008a). The USACE *Arid West 2018 Regional Wetland Plant List* was used to determine the wetland status of the examined vegetation by the following indicator status categories: Upland (UPL), Facultative Upland (FACU), Facultative (FAC), Facultative Wetland (FACW), and Obligate Wetland (OBL) (Lichvar et al. 2018). Representative sample points were sited in areas most likely to exhibit wetland characteristics (i.e., those with a prevalence of hydrophytic vegetation and suitable landform) and examined in the field for potential wetland indicators. Sample points were not located in areas with an obvious prevalence of upland vegetation or in areas where the landform would not support wetland features, such as concrete channels and slopes.

Waters of the State

The limits of "waters of the State," as defined under the Porter-Cologne Act, are any surface water or groundwater, including saline waters, within the boundaries of the state. In those areas where an OHWM was present, the OHWM was used to represent the limits of non-wetland waters of the State. In those areas where an OHWM was not present, but a bed and bank were present and indicated the capacity to hold surface water (e.g., detention basins, agricultural ditches, and roadside ditches that are hydrologically connected to tributaries and TNWs) the limits of waters of the State were determined to be coterminous with the top of slope or top of "bank." Roadside ditches that may periodically convey ephemeral surface waters but are hydrologically isolated from tributaries and/or TNWs were determined to be non-jurisdictional as they did not exhibit an OHWM.

The State Water Resources Control Board's (SWRCB) *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State* (SWRCB 2021) excludes certain activities from the procedures; however, the exclusion does not "affect the [SWRCB]'s authority to

issue or waive waste discharge requirements or take other actions for the following activities or areas to the extent authorized by the Water Code." These exclusions do not relieve entities of "their responsibility to avoid and minimize adverse impacts to aquatic resources and beneficial uses from these activities."

Potential State wetland features were evaluated pursuant to the SWRCB's *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State*. The SWRCB's definition relies on the same three parameters as the USACE definition (hydrophytic vegetation, wetland hydrology, and hydric soils) but allows for naturally unvegetated areas meeting the other two parameters to be considered wetlands. A more detailed regulatory definition of Regional Water Quality Control Board (RWQCB) jurisdiction is provided in Appendix A.

CDFW Streambeds

The extent of potential streambeds, streambanks, lakes, and riparian habitat subject to CDFW jurisdiction under Sections 1600 et seq. of the CFGC was delineated by reviewing the topography and morphology of potentially jurisdictional features to determine the outer limit of riparian vegetation, where present, or the tops of banks for stream features. A more detailed regulatory definition of CDFW jurisdiction is provided in Appendix A.

3 Existing Conditions

3.1 Physical Conditions

3.1.1 Topography and Soils

The study area is in the high desert region bounded by the Sierra Nevada Mountains and the Transverse Ranges, in the Mojave Desert geographic subdivision, as described in *The Jepson Manual: Vascular Plants of California, Second Edition* (Baldwin et al. 2012). Most of the study area is relatively flat, ranging between 2,250 and 2,600 feet above mean sea level (amsl), and includes portions of the Peerless Valley, Antelope Valley, and Fremont Valley. The study area is bordered by the Rand Mountains and Red Mountain to the north and the Gravel Hills to the east.

Landscapes in the study area include alluvial fans, flood plains, terraces, basin floors, fan piedmonts, gravel pits, hills, mountains, quarries, rock pediments, and sand sheets. Soils include parent material derived from mixed alluvium and granitic rock. Some of the general soil types documented in the study area include sand, loam, and clay soils. These include alkaline soils and soils with a neutral pH, and have textures ranging from fine to coarse and from well-drained to excessively drained (USDA, NRCS 2021a, 2022a). There are no hydric soils present in the study area (USDA, NRCS 2021b, 2022b).

3.1.2 Climate

The study area is in a desert climate region characterized by hot, dry summers and mild, dry winters. In summer, temperatures can reach 110 degrees Fahrenheit (°F). Winter temperatures range from 20°F to 40°F with an occasional freeze. Average annual temperature ranges from approximately 45°F in the winter months to approximately 84°F in the summer. The Mojave, California Station (Station ID: 045756) is the closest weather station to the study area with reliable monthly rainfall totals from 1904 through 2016. The Lancaster, California Station (Station ID: 044749) is located approximately 25 miles south of the Proposed Project site at a similar elevation and has reliable monthly rainfall totals from 1974 through 2016. Monthly precipitation data and monthly historical averages for the Mojave and Lancaster stations are provided in Table 4 and Table 5, respectively (Western Regional Climate Center [WRCC] 2022).

Table 4 Monthly Precipitation – Mojave (inches)

Season	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2016	0.02	0.20	0.40	0.15	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.22
Average[1]	1.20	1.27	0.93	0.30	0.09	0.03	0.11	0.15	0.21	0.24	0.53	0.87	5.93

[1] Monthly precipitation averages are calculated from 1904 through 2016 (WRCC 2022).

Source: WRCC 2022

Table 5 Monthly Precipitation – Lancaster (inches)

Season	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2017	2.47	1.87	0.17	0.00	0.00	0.00	0.00	0.03	0.07	0.00	0.02	0.00	4.63
2018	0.95	0.17	1.53	0.09	0.00	0.00	0.02	0.00	0.00	0.00	0.17	1.58	4.51
2019	1.97	1.93	1.01	0.05	0.61	0.00	0.04	0.00	0.00	0.00	1.35	3.81	10.77
2020	0.08	0.00	3.18	2.23	0.02	0.00	0.00	0.00	0.00	0.00	0.13	0.37	6.01
2021	0.67	0.01	0.14	0.00	0.00	0.00	0.04	0.00	0.00	0.28	0.00	NA	1.14
2022	0.02	0.27	0.31	0.10	0.00	0.51	0.00	0.00	0.44	0.00	0.58	–	–
Average[1]	**1.56**	**1.77**	**1.18**	**0.37**	**0.11**	**0.04**	**0.09**	**0.11**	**0.18**	**0.39**	**0.47**	**1.11**	**7.38**

[1] Monthly precipitation averages are calculated from 1974 through 2016 (WRCC 2022).

Source: WRCC 2022.

3.1.3 Hydrology

The Proposed Project is in the Antelope-Fremont Valleys Watershed (Hydrologic Unit Code 8: 18090206). This watershed is composed of two sub-watersheds, the Antelope Valley Watershed and the Fremont Valley Watershed, and encompasses approximately 2,158,828 acres. The Fremont Valley Watershed receives surface water runoff from Lone Tree Canyon, Cache Creek, and other ridges adjacent to the area. Most of the surface water in this watershed drains toward Koehn Dry Lake, approximately 20 miles northeast of Mojave. The Antelope Valley Watershed receives surface water runoff from the San Gabriel Mountains and the Tehachapi Mountains, including Big Rock Creek, Littlerock Creek, Oak Creek, and Cottonwood Creek. Most of the surface waters drain to Rosamond Lake on Edwards Air Force Base. The Antelope-Fremont Valleys Watershed is a closed basin with no outlets to the ocean. All waters that enter the watershed either infiltrate into the groundwater basin or flow toward three playa lakes (Rosamond Lake, Rogers Dry Lake, and Buckhorn Dry Lake) located near the center of the watershed (Aspen Environmental Group 2006).

The study area is in the South Lahontan Basin hydrologic region subject to RWQCB Region 6 (Lahontan) jurisdiction.

3.2 Vegetation Communities and Land Cover Types

Twenty-five natural vegetation communities (alliances and associations), one semi-natural community, and five other land cover types were identified in the study area during the vegetation community mapping surveys and the 2022 validation of the white bursage scrub (*Ambrosia dumosa* Shrubland Alliance) locations. Descriptions of vegetation communities and other land cover types documented in surveys are provided below and shown in Table 6. Included in the description of each alliance is the Global and State conservation status ranking. Communities dominated by non-native species are considered semi-natural alliances and have no Global and State rankings (ranking denoted as GNA SNA). One vegetation community was documented during IC Project fieldwork and 2022 surveys only (Nevada joint fir – Anderson's boxthorn – spiny hop sage scrub alliance) and is included in Table 6. Neither cryptobiotic crust nor desert pavement were observed during any of the surveys. The one cactus species observed, golden cholla (*Cylindropuntia echinocarpa*) was mapped when incidentally observed; those locations are not included in this report.

A list of plant species observed during the rare plant surveys is provided in Appendix F. Plant species observed during the habitat assessment, vegetation community mapping, and aquatic resources

surveys are included in Appendix D. Vegetation communities identified in the study area during vegetation community mapping surveys and validated in 2022, as well as those mapped by the IC Project, are provided in Appendix H.

Table 6 Vegetation Communities in the Study Area

Vegetation Community or Land Cover Type	Association	Global and State Rank	Approximate Acreage [2]	Approximate Percent (%) of Area
Natural Communities [1]				
Creosote Bush Scrub Shrubland Alliance	*Alliance Total*		*2,317.04*	*28.93*
	Creosote Bush Scrub Shrubland Association	G5S5	2,221.10	27.73
	Sensitive Associations Confirmed to be Absent	Unranked, Not sensitive	95.94	1.20
Creosote Bush – White Bursage Scrub Shrubland Alliance	*Alliance Total*		*1.367.87*	*17.08*
	Creosote Bush – White Bursage Scrub Shrubland Association	G5S5	1,354.15	16.91
	Creosote Bush – White Bursage – Cheesebush Scrub Shrubland Association	Unranked, Not sensitive	11.44	0.14
	Sensitive Associations Confirmed to be Absent	Unranked, Not sensitive	2.28	0.03
Allscale Scrub Shrubland Alliance	*Alliance Total*		*1,090.46*	*13.62*
	Allscale Scrub Shrubland Association	Unranked, Not sensitive	1,053.17	13.15
	Sensitive Associations Confirmed to be Absent	Unranked, Not Sensitive	37.28	0.47
Cheesebush – Sweetbush Scrub Shrubland Alliance	*Alliance Total*		*231.93*	*2.89*
	Cheesebush Scrub Shrubland Association	Unranked, Not sensitive	170.66	2.13
	Sweetbush Scrub Shrubland Association	Unranked, Not sensitive	0.84	0.01
	Cheesebush – Creosote Bush Scrub Shrubland Association	Unranked, Not sensitive	60.43	0.75
California Buckwheat – Parish's Goldeneye Scrub Shrubland Alliance	California Buckwheat – White Bursage Scrub Shrubland Association	Unranked, Not sensitive	85.60	1.07
Fourwing Saltbush Scrub Shrubland Alliance	Sensitive Associations Confirmed to be Absent	G5S4	18.13	0.23
Joshua Tree Woodland Alliance	**All Associations within Alliance are State Sensitive**	**G4S3**	**606.91**	**7.58**
Rubber Rabbitbrush Scrub Shrubland Alliance	*Alliance Total*		*3.72*	*0.05*
	Rubber Rabbitbrush Scrub Shrubland Association	G5S5	2.94	0.04
	Sensitive Associations Confirmed to be Absent	Unranked, Not Sensitive	0.78	0.01
Spinescale Scrub Shrubland Alliance	**All Associations within Alliance are State Sensitive**	**Unranked, Sensitive**	**889.57**	**11.11**

Vegetation Community or Land Cover Type	Association	Global and State Rank	Approximate Acreage [2]	Approximate Percent (%) of Area
White Bursage Scrub Shrubland Alliance	***Alliance Total***		***255.35***	***3.19***
	White Bursage Scrub Association	**Unranked, Sensitive**	**252.94**	**3.16**
	White Bursage Scrub – Rayless Goldenhead Scrub Association	**Unranked, Sensitive**	**2.41**	**0.03**
Nevada Joint Fir - Anderson's Boxthorn - Spiny Hop Sage Scrub Shrubland Alliance	***Alliance Total***		***113.89***	***1.44***
	Nevada Joint Fir – Cooper's Goldenbush Scrub Association	**G3G4S3S4, Sensitive**	**11.97**	**0.15**
	Nevada Joint Fir - Anderson's Boxthorn Scrub Association	Unranked, Not sensitive	26.08	0.33
	Anderson's Boxthorn Scrub Provisional Association	**Unranked, Sensitive**	**25.13**	**0.31**
	Cooper's Boxthorn Scrub Provisional Association	Unranked, Not sensitive	51.71	0.65
Winterfat Scrubland Shrubland Alliance	**All Associations within Alliance are State Sensitive**	**G4S3**	**72.55**	**0.91**
Shadscale Scrub Shrubland Alliance	Sensitive Associations Confirmed to be Absent	G5S4	64.05	0.80
Buckhorn cholla/Big Galleta Grass Scrub Alliance	Cooper's Goldenbush Scrub Provisional Association	Unranked, Not sensitive	8.14	0.10
Semi-Natural Communities				
Tamarisk thickets Shrubland Semi-Natural Alliance	No State Sensitive Associations within Alliance	GNA SNA	1.04	0.01
Other Land Cover				
Developed	N/A	N/A	764.94	9.55
Disturbed	N/A	N/A	79.22	0.99
Dry lake/Mudflats/Playa	N/A	N/A	35.30	0.44
Open Water	N/A	N/A	0.07	<0.01
Streambed	N/A	N/A	2.26	0.03
Total			**8,009.03**	**100.00**

[1] Vegetation community ranks are from CDFW (2022c). CDFW sensitive natural communities are indicated in **bold**. Communities were categorized only to the alliance level when 1) all associations are CDFW sensitive natural communities, 2) the alliance contains no CDFW sensitive natural communities, or 3) all CDFW sensitive natural communities were determined to be absent.

GNA SNA – Not applicable; community is not a suitable target for conservation
GNR – Global Rank not assessed

N/A – Not a vegetation community

[2] Acreages are rounded from GIS calculations

3.2.1 Natural Vegetation Communities

Creosote Bush Scrub (*Larrea tridentata* Shrubland)

Creosote bush scrub (*Larrea tridentata* Shrubland Alliance) is typically found on alluvial fans, bajadas, upland slopes, and minor intermittent washes with well drained soils or desert pavement, between -246 to 4,265 feet amsl. This vegetation community is typically characterized by intermittent to open shrub and herbaceous layers, with seasonal annuals or perennial grasses. Creosote (*Larrea tridentata*) is dominant in the shrub canopy. This alliance is not considered sensitive, where mapped to the alliance level only.

Creosote Bush (Larrea tridentata Association)

Creosote is dominant in the open shrub layer in this association, with white bursage (*Ambrosia dumosa*), allscale (*Atriplex polycarpa*), Cooper's boxthorn (*Lycium cooperi*), Mojave rabbitbrush (*Ericameria nauseosa* var. *mohavensis*), and cheesebush (*Ambrosia salsola*) present at low cover. The sparse herbaceous layer is primarily composed of turkey-mullein (*Croton setiger*), summer mustard (*Hirschfeldia incana*), *Erodium* sp., and cheeseweed (*Malva parviflora*). In the study area, this community contains patches of bare ground and is disturbed by tracks made by off-highway vehicle use. Creosote bush scrub is widespread throughout the study area. This association is ranked G5S5 and is not considered a CDFW sensitive community.

Creosote Bush – White Bursage Scrub (*Larrea tridentata – Ambrosia dumosa* Shrubland)

Creosote bush – white bursage scrub (*Larrea tridentata – Ambrosia dumosa* Shrubland Alliance) is generally found on washes and rills, alluvial fans, bajadas, valleys, basins, upland slopes, mesas, or erosional highlands. Soils are typically well-drained, alluvial, colluvial, sandy, and sometimes underlain by a hardpan that may be calcareous, igneous, and/or covered with desert pavement. This community is generally found between -246 to 5,249 feet amsl. The alliance is characterized by an open to intermittent two-tiered shrub canopy and an absent to intermittent herbaceous layer composed of seasonal annuals. Creosote and white bursage have at least one percent absolute cover in the shrub canopy and the cover of both species combined is over twice the cover of other shrub species. This community is not considered sensitive, where mapped to the alliance level only.

Creosote Bush – White Bursage Scrub (Larrea tridentata – Ambrosia dumosa Association)

Creosote bush – white bursage scrub has an open shrub layer that is composed primarily of creosote and white bursage, while western Joshua tree (*Yucca brevifolia* var. *brevifolia*), allscale, cheesebush, and winterfat (*Krascheninnikovia lanata*) are present at low cover. The ground is generally bare between shrubs. This community is found throughout the study area. This association is ranked G5S5 and is not considered a CDFW sensitive community.

Creosote Bush – White Bursage – Cheesebush Scrub (Larrea tridentata – Ambrosia dumosa – Ambrosia salsola Association)

The creosote bush – white bursage – cheesebush scrub association has a shrub layer that is dominated by creosote, white bursage, and cheesebush. It is found only in one patch in the western

portion of the study area, north of Sequoia Boulevard. This association is not ranked and is not considered a CDFW sensitive community.

Allscale Scrub (*Atriplex polycarpa* Shrubland)

Allscale scrub shrubland is typically found on washes, playas, dissected alluvial fans, rolling hills, terraces, and edges of large, low-gradient washes. Soils are generally carbonate rich, alkaline, sandy, or sandy clay loams, and elevations range between -246 to 4,921 feet amsl. This community is characterized by an open to continuous shrub layer and a seasonally variable annual herbaceous layer. Allscale consists of over two percent absolute cover in the shrub canopy or at least 50 percent relative cover in the shrub canopy. This community is not considered sensitive, where mapped to the alliance level only.

Allscale Scrub (Atriplex polycarpa Association)

This association has an open shrub layer that is dominated by allscale. Other species present include cheesebush, creosote, and Cooper's boxthorn. Parts of the allscale scrub community in the study area are highly disturbed by human activity. This association found throughout the study area. It is not ranked and is not considered a CDFW sensitive community.

Cheesebush – Sweetbush Scrub (*Ambrosia salsola – Bebbia juncea* Shrubland)

Cheesebush – sweetbush scrub (*Ambrosia salsola – Bebbia juncea* Shrubland Alliance) is typically found on intermittently flooded channels, arroyos and washes, valleys, flats, and rarely flooded low-gradient deposits. Soils are generally alluvial and sandy or gravelly, including disturbed desert pavement. This community is generally found between sea level and 5,250 feet amsl. Cheesebush – sweetbush scrub is characterized by an open to intermittent shrub canopy and sparse, seasonally variable herbaceous layer. Cheesebush has over one percent absolute cover or 50 percent relative cover in the shrub layer, or sweetbush (*Bebbia juncea*) has over 50 percent relative cover in the shrub layer.

Cheesebush – sweetbush scrub is found in a limited portion of the study area. Cheesebush is the dominant species in the shrub layer. Other species present include Anderson's boxthorn (*Lycium andersonii*), fourwing saltbush (*Atriplex canescens*), and white bursage.

Cheesebush Scrub (Ambrosia salsola Association)

Cheesebush is the dominant species in the shrub layer in this association. Other shrubs present include Anderson's boxthorn, Cooper's goldenbush (*Ericameria cooperi* var. *cooperi*), and scattered golden cholla (*Cylindropuntia echinocarpa*). This vegetation association occurs in a limited portion of the study area, is not ranked, and is not considered a CDFW sensitive community.

Sweetbush Scrub (Bebbia juncea Association)

Sweetbush is the dominant species in the shrub layer of this association. It occurs only in two patches on the western side of the study area, is not ranked, and is not considered a CDFW sensitive natural community.

Cheesebush – Creosote Bush Scrub (Ambrosia salsola – Larrea tridentata Association)

Cheesebush and creosote bush are the dominant species in the shrub layer of this association. It occurs in a limited portion of the study area, is not ranked, and is not considered a CDFW sensitive community.

California Buckwheat **– Parish's Goldeneye Scrub (***Eriogonum fasciculatum* **–** *Viguiera parishii* Shrubland)

California buckwheat scrub (*Eriogonum fasciculatum* Shrubland Alliance) is generally found on wash and arroyo margins with rocky to bouldery alluvium, canyons, and moderate to steep colluvial slopes and ridges. Soils are typically well drained and derived from granitic or volcanic rock. Elevations range between 1,312 and 6,562 feet amsl. This alliance is characterized by an open to intermittent shrub canopy and a seasonally variable open to intermittent herbaceous layer. California buckwheat (*Eriogonum fasciculatum*) may be dominant, with over two percent absolute cover or over 50 percent relative cover in the shrub canopy, or Parish's goldeneye (*Viguiera parishii*) may be dominant, with at least two percent absolute cover.

California Buckwheat – White Bursage Scrub (Eriogonum fasciculatum – Ambrosia dumosa Association)

California buckwheat and white bursage are dominant in the shrub canopy of this association, and other species present include Mojave rabbitbrush and creosote. This association is located only in one patch in the southwestern portion of the study area. It is not ranked and is not considered a CDFW sensitive community (CDFW 2022c).

Fourwing Saltbush Scrub (*Atriplex canescens* Shrubland)

Fourwing saltbush scrub (*Atriplex canescens* Shrubland Alliance) is typically found on playas, old beaches and shores, lake deposits, dissected alluvial fans, rolling hills or channel beds at elevations between -246 and 4,921 feet amsl. Soils are generally carbonate rich, alkaline, sandy, or sandy clay loams. Fourwing saltbush scrub is characterized by an open to intermittent shrub canopy and a variable herbaceous layer composed of seasonal herbs and non-native grasses. Fourwing saltbush has over two percent absolute cover and over 50 percent relative cover in the shrub layer.

In the study area, fourwing saltbush scrub is found only in one patch near the western boundary of the study area. The shrub canopy was intermittent and dominated by fourwing saltbush. Anderson's boxthorn was also present, and large patches of bare ground were present between the shrubs. This community is ranked G5S4 and is not considered a CDFW sensitive community.

Joshua Tree Woodland (*Yucca brevifolia* Woodland)

Joshua tree woodland (*Yucca brevifolia* Woodland Alliance) is generally found on gentle alluvial fans, ridges, and gentle to moderate slopes between 2,460 and 5,905 feet amsl. Soils are typically coarse sands, very fine silts, gravel, or sandy loams. Many sites have bimodal soils with both coarse sands and fine silts. This alliance is characterized by open to intermittent tree and shrub canopies, and an open to intermittent herbaceous layer composed of perennial grasses and seasonal annuals. Joshua tree is evenly distributed with at least one percent absolute cover, while junipers (*Juniperus* spp.) and pines (*Pinus* spp.) have less than one percent absolute cover in the tree canopy.

Joshua tree woodland is found along the southeastern portion of the study area. Western Joshua tree is the only species in the open tree canopy. The diverse shrub layer is composed of creosote, white bursage, allscale, cheesebush, and spinescale (*Atriplex spinifera*). Joshua tree woodland is ranked G4S3 and is considered sensitive.

Rubber Rabbitbrush Scrub (*Ericameria nauseosa* Shrubland)

Rubber rabbitbrush scrub (*Ericameria nauseosa* Shrubland Alliance) can be found on all topographic settings, especially in disturbed areas with well-drained sandy and gravelly soils between sea level and 10,500 feet amsl. This community is characterized by an open to continuous shrub canopy and a sparse, grassy herbaceous layer. Rubber rabbitbrush has over 50 percent relative cover or at least two percent absolute cover in the shrub canopy.

In the study area, rubber rabbitbrush scrub is found in a depression between two unpaved roads. Mojave rabbitbrush is the dominant species. This alliance is ranked G5S5 and is not considered sensitive, where mapped to the alliance level only.

Rubber Rabbitbrush Scrub (Ericameria nauseosa Association)

This association has the same characteristics and is found in the same location as the alliance. It is not considered a CDFW sensitive community.

Spinescale Scrub (*Atriplex spinifera* Shrubland)

Spinescale scrub (*Atriplex spinifera* Shrubland Alliance) is typically found on alluvial fans and old lake beds perched above current drainages, between 164 and 2,625 feet amsl. Soils are generally moderately sandy clay loams to fine, silty clays that may be carbonate rich. Stands in the Coast Ranges may be on moderate to steep slopes on sedimentary substrate. Spinescale scrub is characterized by an open shrub layer and a seasonally variable herbaceous layer. Spinescale is dominant in the shrub canopy, with over 50 percent relative cover.

Spinescale scrub is located throughout the study area. Spinescale is dominant in the shrub canopy, and other species present include allscale, boxthorn (*Lycium* spp.), cheesebush, and creosote. All associations in this alliance are considered sensitive.

White Bursage Scrub (*Ambrosia dumosa* Shrubland)

White bursage scrub (*Ambrosia dumosa* Shrubland Alliance) is typically found on older washes and river terraces, alluvial fans, bajadas, rocky hills, partially stabilized and stabilized sand fields, and upland slopes with sandy, clay-rich, or calcareous soils or desert pavement surfaces. Elevations range between sea level and 5,577 feet amsl. The alliance is characterized by an open to intermittent shrub layer and open to intermittent herbaceous layer composed of seasonal annuals. White bursage has over one percent absolute cover and exceeds the cover of other shrubs, including creosote.

White Bursage Scrub (Ambrosia dumosa Association)

This community is found throughout the study area. White bursage is dominant in the shrub layer while creosote, allscale, cheesebush, and spinescale are present at low cover. The white bursage scrub association of this alliance is unranked and is considered a CDFW sensitive community.

White Bursage – Rayless Goldenhead Scrub (Ambrosia dumosa – Acamptopappus sphaerocephalus Association)

This association is only found in the central portion of the study area south of Sequoia Boulevard to the west of Peerless Valley. White bursage is dominant in the shrub layer, and rayless goldenhead (*Acamptopappus sphaerocephalus*) is present as a subdominant species. The white bursage – rayless goldenhead scrub association is unranked and is considered a CDFW sensitive natural community.

Winterfat Scrubland (*Krascheninnikovia lanata* Shrubland)

Winterfat scrubland (*Krascheninnikovia lanata* Shrubland Alliance) is generally found on alkaline flats around playas and along drainages, plains, and old lakebeds above current drainages between 328 and 8,858 feet amsl. Soils are thin to moderately deep and generally consist of rocky to silty clay loams that are calcareous, moderately alkaline, and sometimes saline. This community is characterized by an open to continuous shrub canopy and an open or grassy herbaceous layer. Winterfat is dominant with over 50 percent relative cover in the shrub canopy.

Winterfat scrubland is found in the eastern portion of the study area along U.S. 395. Winterfat is dominant in the shrub canopy. All associations in this alliance are considered sensitive.

Shadscale Scrub (*Atriplex confertifolia* Shrubland)

Shadscale scrub (*Atriplex confertifolia* Shrubland Alliance) is typically found on bajadas, flats, lower slopes, rocky hills, exposed bedrock, erosional highlands, valleys, minor rills, washes, and edges of playas. Soils are variable and may be carbonate rich, clay rich, or have a high sand content, and may be covered with desert pavement. Elevations range between 1,476 and 8,202 feet amsl. Shadscale scrub is characterized by an open to continuous shrub canopy and a sparse to abundant herbaceous layer. Shadscale (*Atriplex confertifolia*) is dominant with at least two percent absolute cover in the shrub canopy.

Shadscale scrub is found throughout the study area. Shadscale is dominant in the shrub layer. This community is ranked G5S4 and is not considered sensitive. Some associations of this community are considered CDFW sensitive communities; however, these sensitive associations were confirmed to be absent.

Nevada Joint Fir **– Anderson's** Boxthorn **–** Spiny Hop Sage Scrub (*Ephedra nevadensis* **–** *Lycium andersonii* **–** *Grayia spinosa* Shrubland)

Nevada joint fir – Anderson's boxthorn – spiny hop sage scrub (*Ephedra nevadensis – Lycium andersonii – Grayia spinosa* Shrubland Alliance) is typically found on dry, open slopes, ridges, rocky highlands, canyons, sides of arroyos, bajadas, floodplains, valleys, and washes. Soils may be gravelly or rocky, and may be alkaline or saline. Elevations range between 1,312 and 6,234 feet amsl. This alliance is characterized by an open to continuous shrub canopy and a sparse to intermittent herbaceous layer. Nevada joint fir (*Ephedra nevadensis*) has over two percent absolute cover or over 30 percent relative cover in the shrub layer, Anderson's boxthorn has over 30 percent relative cover in the shrub cover, spiny hop sage (*Grayia spinosa*) has over two percent absolute cover or over 30 percent relative cover in the shrub canopy, or Cooper's boxthorn has over 30 percent relative cover in the shrub canopy. Cooper's goldenbush may also be dominant in the shrub canopy.

Nevada Joint Fir – Cooper's Goldenbush Scrub (Ephedra nevadensis – Ericameria cooperi Association)

This association is found only in the historical IC Project area along the eastern boundary of the study area. This community is ranked G3G4 S3S4 and is considered a CDFW sensitive community.

Nevada Joint Fir – Anderson's Boxthorn Scrub (Ephedra nevadensis – Lycium andersonii Association)

This association is found along the eastern boundary of the study area along the proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line, and in the western portion of the study area along the proposed Kramer-Cal City 115 kV Subtransmission Line. This vegetation community is dominated by Nevada joint fir and Anderson's boxthorn, with spiny hop sage, California buckwheat, Cooper's boxthorn, white bursage, and winterfat present as subdominant species. This association is not ranked and is not considered a CDFW sensitive community.

Anderson's Boxthorn Scrub (Lycium andersonii Provisional Association)

This provisional association is found along the eastern boundary of the study area along the proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line. This vegetation community is dominated by Anderson's boxthorn, with Cooper's goldenbush and winterfat present as subdominant species. This provisional association is not ranked and is considered a CDFW sensitive community.

Cooper's Boxthorn Scrub (Lycium cooperi Provisional Association)

This provisional association is found along the eastern boundary of the study area along the proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line, and in the central portion of the study area south of Sequoia Boulevard near Peerless Valley. This vegetation community is dominated by Cooper's boxthorn, with Cooper's goldenbush and white bursage present as subdominant species. This provisional association is not ranked and is not considered a CDFW sensitive community.

Buckhorn Cholla/Big Galleta Grass Scrub (*Cylindropuntia acanthocarpa/ Pleuraphis rigida* Shrubland Alliance)

Buckhorn cholla/Big Galleta Grass Scrub (*Cylindropuntia acanthocarpa*/*Pleuraphis rigida* Shrubland Alliance) is typically found on upper alluvial fans, mid-elevation flats, and lower to upper hillslopes, with soils ranging from coarse sands to loams. Elevations range between 1,969 and 5,577 feet amsl. The alliance is characterized by an open to intermittent shrub layer and open to intermittent herbaceous layer composed of seasonal annuals. Buckhorn cholla (*Cylindropuntia acanthocarpa*), Cooper's goldenbush, rayless goldenhead, and/or a diverse mixture of mid-successional shrubs are dominant in the shrub layer, while big galleta (*Pleuraphis rigida*) may be dominant or co-dominant with other grasses such as Porter's muhly (*Muhlenbergia porteri*) in the herbaceous layer. In some configurations, Cooper's goldenbush contains more than 50 percent relative cover in the shrub layer.

Cooper's Goldenbush disturbance (Ericameria cooperi Disturbance Provisional Association)

This provisional association is found in the central portion of the study area south of Sequoia Boulevard near Peerless Valley. This vegetation community is dominated by Cooper's goldenbush in the shrub layer, with white bursage, Cooper's boxthorn, and cheesebush present at low cover. This provisional association is not ranked and is not considered a CDFW sensitive community.

3.2.2 Semi-natural Vegetation Communities

Tamarisk Thickets (*Tamarix* spp. Shrubland)

Tamarisk thickets (*Tamarix* spp. Shrubland Semi-Natural Alliance) is typically found along arroyo margins, lake margins, ditches, washes, rivers, and other watercourses between 245 to 2,625 feet amsl. Tamarisk (*Tamarix* spp.) contributes to at least 60 percent relative cover in the shrub layer. This vegetation community is ranked GNA SNA and is not considered sensitive (CDFW 2022c).

The tamarisk thickets in the study area are composed of Athel tamarisk (*Tamarisk aphylla*). Athel tamarisk is ranked as invasive with a designation of "Limited" by the California Invasive Plant Council (Cal-IPC 2021). A "Limited" ranking indicates the species is invasive but their ecological impacts are minor on a statewide level or there is not enough information to justify a higher score. This community is present as several small, isolated patches along Sequoia Boulevard in the center of the study area.

3.2.3 Other Land Cover

Developed

Developed areas in the study area consist of paved and unpaved roadways, road shoulders with little to no vegetation, residential, commercial, and industrial buildings, and associated infrastructure. This land cover type is present throughout the study area.

Dry Lake/Mudflats/Playa

In the study area, this land cover type consists of playas on the margins of dry lakes. These areas are unvegetated or contain sparse, annual herbaceous plants, and in some cases are highly disturbed by human activities.

Open Water

The open water land cover type consists of a human-made concrete-lined basin near the Kramer Substation mapped for the IC Project in 2017.

Streambed

The streambed land cover type consists of unvegetated dry stream channels. In the study area, this land cover type shows evidence of disturbance by vehicle traffic.

Disturbed

Disturbed land cover in the study area has been temporarily impacted by human activities. This land cover type includes lands which have been impacted by human use but which do not fall into the previous categories.

3.2.4 Invasive Plant Species

Natural portions of the study area are dominated by widely spaced native shrubs surrounded by mostly barren ground and scattered herbaceous plants. Many non-native species in the Mojave Desert are characterized by an annual lifecycle with a spring growth and blooming period. The floral compendia included in Appendix D and Appendix F list all plant species observed during the 2021 and 2022 surveys.

Invasive plant species as defined by Cal-IPC (Cal-IPC 2022) observed in the study area include Sahara mustard (*Brassica tournefortii*; Cal-IPC High), ripgut brome (*Bromus diandrus*; Cal-IPC Moderate), red brome (*Bromus madritensis* ssp. *Rubens*; Cal-IPC High), cheatgrass (*Bromus tectorum*; Cal-IPC High), flix weed (*Descurainia sophia*; Cal-IPC Limited) redstem filaree (*Erodium cicutarium*; Cal-IPC Limited), summer mustard (Cal-IPC Moderate), hare barley (*Hordeum murinum*; Cal-IPC Moderate), Russian thistle (*Salsola tragus*; Cal-IPC Limited), schismus (*Schismus* spp.; Cal-IPC Limited), London rocket (*Sisymbrium irio*; Cal-IPC Limited), Athel tamarisk (Cal-IPC Limited), and saltcedar (*Tamarix ramosissima*; Cal-IPC High). A “High” ranking indicates a species has severe ecological impacts on physical processes, plant and animal communities, and vegetation structure, while a “Moderate” ranking indicates a species has substantial and apparent-but generally not severe-ecological impacts on physical processes, plant and animal communities, and vegetation structure. “Limited” ranking indicates an invasive species with minor ecological impacts on a statewide level, or there was not enough information to justify a higher score (Cal-IPC 2022).

3.3 General Wildlife Species

The study area includes suitable habitats for desert wildlife species typical of the region, including reptiles such as zebra-tailed lizard (*Callisaurus draconoides*) and common side-blotched lizard (*Uta stansburiana*), birds such as common raven (*Corvus corax)*, California quail (*Callipepla californica*), and Say’s phoebe (*Sayornis saya*), and mammals such as coyote (*Canis latrans*) and black-tailed jackrabbit (*Lepus californicus*). A complete list of wildlife observed in the study area during the September, October, and December 2021, and September and October 2022 vegetation community and habitat assessment surveys and during the rare plant surveys in 2022 is included in Appendix D.

4 Sensitive Biological Resources

Sensitive natural communities identified during the field surveys are described in Section 4.1 . Based on the literature and database review and field survey results, 30 special status plant species and 37 special status wildlife species were evaluated for potential to occur in the study area. Species that were determined to occur or to be likely to occur in the study area are described in Sections 4.2 and 4.3. Occurrence determinations, listing status, suitable habitats, and presence of suitable habitat in the study area are provided for all species evaluated in Appendix E.

The Proposed Project design is currently in development. Therefore, the results reported herein do not include potential impacts to sensitive biological resources. One of the objectives of this BRTR is to facilitate design and construction strategies that will minimize impacts to sensitive biological resources to the extent feasible. It is anticipated that impacts will be quantified when final design is completed closer to implementation of the Proposed Project.

4.1 Sensitive Natural Communities

Seven sensitive natural communities occur in the study area (Joshua tree woodland, spinescale scrub, white bursage scrub, white bursage – rayless goldenhead scrub, Nevada joint fir – Cooper's goldenbush scrub, Anderson's boxthorn scrub [Provisional association], and winterfat scrubland). Joshua tree woodland is ranked G4S3.2, Nevada joint fir – Cooper's goldenbush scrub is ranked G3G4 S3S4, and winterfat scrubland is ranked G4S3. Spinescale scrub, Anderson's boxthorn scrub (Provisional association), white bursage scrub, and white bursage – rayless goldenhead scrub are not ranked; however, they are considered sensitive by CDFW. The remaining fourteen natural communities identified in the study area are ranked S4 or S5 or are unranked and are not considered sensitive by the CDFW. Sensitive natural communities, including those recorded during previous surveys referenced in Section 2.2, are mapped in Appendix H. Rarity rankings for the vegetation communities in the study area are included in Table 5.

4.2 Special Status Plants

Of the 30 special status plant species evaluated for potential to occur, four species were determined to occur in the study area: pink funnel lily (*Androstephium breviflorum*), Mojave spineflower (*Chorizanthe spinosa*), desert cymopterus (*Cymopterus deserticola*), and western Joshua tree. One species, Barstow woolly sunflower (*Eriophyllum mohavense*), was determined to likely occur. The remaining 25 special status plants were determined to be unlikely to occur or not to occur.

Based on literature searches, database reviews, and field surveys, no federally listed plant species were determined to occur or to likely occur in the study area. One State listed plant species occurs in the study area (western Joshua tree, State Candidate Threatened); no State listed plant species were determined to be likely to occur in the study area.

Special status plant species that either occur in the study area or were determined to likely occur in the study area based on the results of the literature review and the field surveys are described below. Special status plant species that were documented in the study area during the 2021 and 2022 field surveys are shown in Appendix H. Historical observations of rare plants from the IC project are also included in Appendix H.

Pink Funnel Lily (*Androstephium breviflorum*)

Pink funnel lily is designated CRPR 2B.2 by CNPS. This species is native to the southwest and the Great Basin region and endemic to the United States (Flora of North America 2022). The pink funnel lily is a perennial bulbiferous herb found in desert dunes, Mojavean desert scrub, and bajadas at elevations between 720 and 2,625 feet amsl. This species generally blooms in March and April. Some populations of pink funnel lily are threatened by habitat loss, including the threat of off-road vehicle recreation (Flora of North America 2022).

Occurrence in the Study Area

Pink funnel lily was observed at two locations on the eastern side of the study area along U.S. 395 during field surveys conducted in April 2017 by BRC Equals 3. The species was not observed during the fall 2021 surveys. One plant in seed was observed during the 2022 rare plant surveys in the southern portion of the Proposed Project near 20 Mule Team Road. A photo of the plant is included in the Rare Plant Survey Report in Appendix F (Photograph 4).

Mojave Spineflower (*Chorizanthe spinosa*)

Mojave spineflower is designated as CRPR 4.2 by CNPS. Mojave spineflower is an annual herb that generally flowers from March through July and grows on sandy to gravelly flats and slopes, often in saltbush communities. Mojave spineflower grows only in southern California, including southeastern Kern and northwestern San Bernardino counties, and also southern Inyo and northeastern Los Angeles counties. Mojave spineflower tolerates moderate salinity, low moisture regimes with 7 to 15 inches of annual precipitation, and has been found from 985 to 4,365 feet amsl.

Occurrence in the Study Area

Twelve Mojave spineflower plants were observed growing in finer soils with some clay and silt components and variable pebble cover forming the substrate during the 2022 rare plant survey (Appendix F, Photograph 12). These plants were located largely on the southern portion of the study area and on both the Proposed Project and Alternative alignments. Plants typically were found growing on low-angle slopes and in some areas disturbed by off-highway vehicle (OHV) use.

Desert Cymopterus (*Cymopterus deserticola*)

Desert cymopterus is designated CRPR 1B.2 by CNPS, a BLM S species, and a DRECP Focus Species. This species is endemic to the western Mojave Desert in California (Charlton 1993). Desert cymopterus is a perennial herb found on fine to coarse, loose, sandy soil of flats in old dune areas with well-drained sand. Suitable habitats include Joshua tree woodlands and Mojavean desert scrub habitats at elevations between 2,066 and 4,900 feet amsl. This species generally blooms between March and May. Populations of desert cymopterus are declining due to threats from human disturbance in the form of grazing, vehicles, urbanization, predation by native wildlife and off-road vehicle recreation (Charlton 1993).

Occurrence in the Study Area

Desert cymopterus was observed in several locations along the southern portion of the study area during field surveys conducted in April 2017 by BRC Equals 3. Biologists observed a single flowering desert cymopterus during the April 2022 surveys (Appendix F, Photographs 1-3). The plant was

found in a Joshua tree woodland with a white bursage and allscale in the understory with loamy sand and scattered pebbles and was near habitat polygons mapped historically for the species. This species was not observed during the fall 2021 surveys.

Western Joshua Tree (*Yucca brevifolia* var. *brevifolia*)

Western Joshua tree is designated as State Candidate Threatened (as of December 1, 2022). Western Joshua tree is a perennial tree which is endemic to the United States. This species grows on fine, loose, well-drained or gravelly silts, loams, and sands in sagebrush scrub, desert scrub, southwestern shrubsteppe, pinyon and juniper woodland, and desert grassland habitats. This species is generally found in hot, dry sites on flats, mesas, bajadas, and gentle slopes in the Mojave Desert at elevations between 1,600 and 6,600 feet amsl. Western Joshua tree is threatened by fire, drought, climate change, and numerous threats related to habitat loss including off road vehicle use (Cole et al. 2011).

Occurrence in the Study Area

Multiple individual western Joshua trees were observed in the southern portion of the study area during the fall 2021 and spring 2022 field surveys. One individual was observed in the study area during habitat assessment surveys in October 2022 (Appendix H). This species was found in the allscale scrub, creosote bush scrub, spinescale scrub, and Joshua tree woodland vegetation communities. Observations of individual western Joshua trees are shown in Appendix H, while communities of western Joshua trees were not mapped as individual points; instead, these communities are mapped as the Joshua Tree Woodland Alliance (see Section 3.2.1).

Barstow Woolly Sunflower (*Eriophyllum mohavense*)

Barstow woolly sunflower is designated CRPR 1B.2 by CNPS, a BLM S species, and a DRECP Focus Species. Barstow woolly sunflower is restricted to a portion of the western Mojave Desert in Kern and San Bernardino Counties in California (CDFW 2021a, 2022a). This is an annual herb that is found in open, silty or sandy areas, barren ridges, or margins of playas in chenopod scrub, Mojavean desert scrub, and playa habitats. Its elevational range is between 1,640 and 3,150 feet amsl, and it generally blooms between March and May. This species is threatened by human activities in the desert, including development, grazing, off-road vehicle recreation, and mining (BLM 2013).

Occurrence in the Study Area

Barstow woolly sunflower is likely to occur in the study area. Suitable chenopod scrub, Mojavean desert scrub, and playas are present in the study area. Open areas with silty and sandy soils are present. Multiple CNDDB occurrences have been recorded within 5 miles of the study area, including six occurrences from 2017 that overlap the study area. This species was not observed during surveys conducted in 2017 for the IC project, nor during 2021 fall surveys. Barstow woolly sunflower was not observed during the 2022 spring surveys conducted during the bloom period. Medium- to high-quality habitat for Barstow woolly sunflower in mapped in the Rare Plant Survey Report in Appendix F.

4.3 Special Status Wildlife

Based on the database queries and literature review, a total of 22 special status wildlife species were evaluated for their potential to occur in the study area (Appendix E). Eight special status wildlife species occur in the study area, and three special status wildlife species likely occur in the study area. Medium- to high-quality habitat for Mojave desert tortoise, burrowing owl, and Mohave ground squirrel were identified during the habitat assessment surveys. The habitat for these three species, including habitat data from IC Project surveys (Section 2.2), are mapped in Appendix I. Locations of special status wildlife species observed during 2021 and 2022 field surveys are also mapped in Appendix I.

The IC Project data used for this BRTR did not classify habitat quality levels within mapped suitable habitat. Habitat quality levels in the IC Project survey area were therefore assumed to be the same as in the surrounding habitat mapped in the Proposed Project study area and these areas were included in habitat acreage calculations in the sections that follow, where appropriate.

The eleven special status wildlife species that occur in the study area or are likely to occur are described below.

4.3.1 Reptiles

Mojave Desert Tortoise (*Gopherus agassizii*)

Mojave desert tortoise inhabits the Mojave, Colorado, and Sonoran Deserts in the southwestern United States and adjacent Mexico (USFWS 1994a). The Mojave population of the desert tortoise (all tortoises north and west of the Colorado River in Arizona, Utah, Nevada, and California) are considered a separate lineage from the Sonoran population. Within the once relatively continuous distribution of habitat occupied by the Mojave population, desert tortoises now remain in scattered portions of Antelope, Indian Wells, and Searles valleys which have not yet been developed for urban uses (USFWS 1994b).

The Mojave desert tortoise is a federally and State listed threatened species most commonly found in gently sloped terrain at elevations between 1,000 to 3,000 feet amsl with friable sandy-gravel soils suitable for burrows and sparse vegetative cover that is highly diverse in both the perennial and annual plants that they feed on (USFWS 1994b). Burrows are often dug at the base of a shrub or soil or rock overhangs and are used as refuge from direct sunlight and cold winter temperatures, both of which can be lethal to tortoises (California Wildlife Habitat Relationships [CWHR] 2000).

Mojave desert tortoises are most active during the rainy season between March and June, or later in areas with late summer rains. Outside the rainy season, during which they can be active all day, they are active above ground for less than an hour in the early morning and hibernate from approximately November to February. Female tortoises lay clutches of two to nine eggs in early summer that hatch three to four months later. Periods of low rainfall resulting in reduced annual plant populations can result in nest failure. Young tortoises are vulnerable to predation by raptors, ravens, coyotes, and foxes.

At the time of listing, populations had decreased dramatically due to urbanization, fragmentation, loss of habitat, off-road vehicle use, illegal dumping, the introduction of invasive species, and a serious respiratory disease (*Mycoplasma agassizii*) (USFWS 1994b).

Occurrence in the Study Area

Mojave desert tortoises have been recorded most frequently, and are likely to occur in the highest concentrations, in the southeastern corner of the study area near the community of Boron and Edwards Air Force Base (Arcadis 2019). The study area contains approximately 320 acres of USFWS-designated critical habitat for the desert tortoise, as described in Section 4.5.

During vegetation community mapping and habitat assessment surveys for the Proposed Project in October 2021, two live tortoises, two carcasses, one deteriorated pallet, one burrow in good condition but with no evidence of recent use, four deteriorated burrows, and two burrows with evidence of use were observed in the study area. During rare plant surveys for the Proposed Project in March and April 2022, 11 live tortoises, three carcasses, three pallets, five Class 1 burrows (currently active, with tortoise or recent tortoise sign), two Class 2 burrows, six Class 3 burrows (deteriorated condition; definitely belonging to desert tortoise), three Class 4 burrows (deteriorated condition; possibly belonging to desert tortoise), two Class 5 burrows (good condition; possibly belonging to desert tortoise), and one burrow of unknown class were observed in the study area. One live tortoise in a previously mapped burrow, one live tortoise in a newly mapped burrow, one Class 1 burrow, four Class 2 burrows (two with scat), one Class 3 burrow, and two Class 5 burrows were observed in the study area during aquatic resources and habitat assessment surveys in September and October 2022 (Appendix I).

Medium- to high-quality habitat for Mojave desert tortoise included relatively undisturbed, low density, creosote scrub vegetation with friable soils and low levels of human activity and development. Approximately 6,672 acres of medium- to high quality habitat for Mojave desert tortoise was identified in the study area during habitat assessment surveys and in the IC Project area.

4.3.2 Birds

Cooper's Hawk (*Accipiter cooperii*)

Cooper's hawk (*Accipiter cooperii*) is a CDFW WL species that generally inhabits extensive riparian bottomlands in southern California (Garrett and Dunn 1981). This species nests in deciduous trees approximately 20 to 50 feet above the ground. Cooper's hawks are highly territorial, and males defend an area approximately 100 feet in diameter around a nest site but can forage up to 2 miles away. The diet of Cooper's hawks consists primarily of small mammals, such as squirrels and bats, and medium-sized birds such as mourning doves and quail (Kennedy 1980).

Within California, the species is found throughout most of the wooded portion of the state and breeds in the southern Sierra Nevada foothills, New York Mountains, Owens Valley, and other areas in southern California (Zeiner et al. 1990).

Occurrence in the Study Area

Suitable deciduous trees for nesting are absent from the study area. However, suitable open habitats for foraging and appropriate prey species are present. This species was observed in the study area during the October 2021 vegetation community mapping and habitat assessment surveys (Appendix I).

Golden Eagle (*Aquila chrysaetos*)

The golden eagle is designated as a fully protected and a WL species by CDFW. The species is also considered a BLM S species, is a DRECP Focus Species and a USFWS BCC. This species feeds primarily on rabbits, hares, and ground squirrels and may also consume carrion (Koechert et al. 2002). Golden eagles generally inhabit open and semi-open habitats such as prairies, sagebrush scrub, savannahs, and barren areas, especially in hilly or mountainous regions with sufficient mammalian prey base and nearby suitable nesting sites. Nesting sites are most often on rock ledges or cliffs but may also be found in large trees, on steep hillsides, or on the ground (Great Basin Bird Observatory [GBBO] 2010). Golden eagles are a permanent resident and migrant throughout California except the center of the Central Valley (Zeiner et al. 1990).

Occurrence in the Study Area

Suitable grassland and shrub foraging habitats are present in the study area. Suitable prey species, including ground squirrels and rabbits, were observed during the October 2021 habitat assessment and vegetation community mapping. Transmission towers in the study area may provide suitable nesting habitat. Two golden eagle nests recorded as inactive and destroyed in 2012 in historical data collected by BioResource Consultants are present within 5 miles of the study area. Both nests are located on cliffs, which are absent from the study area.

Burrowing Owl (*Athene cunicularia*)

The western burrowing owl is listed as a CDFW Species of Special Concern, a BLM S species, and is a DRECP Focus Species. The burrowing owl is a grassland specialist dependent on the presence of fossorial mammals, whose burrows are used for nesting and roosting (Klute et al. 2003). The burrowing owl is a yearlong resident of open grasslands, especially prairie, plains, and savanna, and sometimes other open areas such as vacant lots near human habitation or airports. This species spends much time on the ground or on low perches such as fence posts, and nests in abandoned burrows such as those dug by ground squirrels, desert kit foxes (*Vulpes macrotis arsipus*), and American badgers (*Taxidea taxus*) (Zeiner et al. 1990). During migration and winter, burrowing owls are more widespread in lowland areas of the state and reach offshore islands (Shuford et al. 2008).

Occurrence in Study Area

Two burrowing owls and five potentially active burrowing owl burrows were observed in the study area during vegetation community mapping and habitat assessment surveys in October 2021. Three active burrows were observed in the study area during rare plant surveys in March 2022. Two inactive burrows were observed in the study area during habitat and aquatic resources surveys in September 2022 (Appendix I).

Approximately 7,773 acres of medium- to high-quality habitat for burrowing owl were recorded within the study area during habitat assessment surveys and in the IC Project area. Medium- to high-quality habitat for burrowing owl included relatively undisturbed, low density, creosote scrub vegetation with friable soils, had low levels of human activity and development, and was distant from developed roads or highways.

California Horned Lark (*Eremophila alpestris actia*)

The California horned lark (*Eremophila alpestris actia*) is a CDFW WL species that inhabits open areas dominated by sparse, low herbaceous vegetation or widely scattered low shrubs, including short-grass prairies, mountain meadows, fallow grain fields, and alkali flats. The species nests in hollows on the ground, often next to grass tufts or clods of earth or manure (Beason 1995). The species is distributed from northern Baja California northward through California in the coast range, north to Humboldt County and the San Joaquin Valley (AOU 1957).

Occurrence in the Study Area

Several observations of California horned larks were recorded during vegetation community mapping and habitat assessment surveys in October 2021 (Appendix I). Approximately 4,205 acres of medium- to high-quality habitat was recorded within the study area.

Prairie Falcon (*Falco mexicanus*)

The prairie falcon (*Falco mexicanus*) is CDFW WL species and is a USFWS BCC. The species inhabits perennial grasslands, savannahs, rangeland, some agricultural fields, and desert scrub areas. In California, the habitat for this species includes mountainous areas, steppes, plains, or prairies. Prairie falcon usually nests on rocky cliffs or steep earth embankments (Kaiser 1986), and nests may be located in man-made excavations on otherwise unsuitable cliffs (AOU 1983). This species primarily feeds on mammals (especially ground squirrels), lizards, and birds, generally up to the size of quail. Foraging areas are large, and individuals defend only a small area around the nest site. The range of prairie falcon in California spans from southwestern deserts northwest through the Central Valley and along the inner Coast Ranges and Sierra Nevada (AOU 1983).

Occurrence in the Study Area

Several observations of foraging prairie falcons were recorded in the study area during vegetation community mapping and habitat assessment surveys in October 2021 and during rare plant surveys in April 2022. One individual was observed during habitat assessment surveys in October 2022, outside the breeding season (Appendix I). Cliffs required for nesting are absent from the study area. However, suitable foraging habitat is present.

Loggerhead Shrike (*Lanius ludovicianus*)

The loggerhead shrike (*Lanius ludovicianus*) is a CDFW Species of Special Concern. It inhabits open country with scattered trees and shrubs, savannah, desert scrub, and occasionally open woodland with suitable hunting perches. The species is territorial throughout the year, constructing a nest of course twigs and animal hair that is typically placed in shrubs or small trees. Throughout California, this species is a common resident and winter visitor in lowlands and foothills (AOU 1983).

Occurrence in the Study Area

Several observations of loggerhead shrike were recorded during vegetation community mapping and habitat assessment surveys in October 2021 and September and October 2022, and during rare plant surveys in April 2022 (Appendix I). Approximately 1,067 acres of medium- to high-quality habitat for loggerhead shrike was mapped in the study area, which includes relatively undisturbed desert scrub vegetation with trees or shrubs at the appropriate height for nesting.

LeConte's Thrasher (*Toxostoma lecontei*)

LeConte's thrasher (*Toxostoma lecontei*) is a permanent resident of California and is considered a BCC in coastal California and the Sonoran and Mojave Deserts by USFWS. This species inhabits open desert wash, desert scrub, alkali desert scrub, and desert succulent scrub habitats. Habitat may also consist of sparsely vegetated desert flats, dunes, alluvial fans, or gently rolling hills having high proportion of one or more species of saltbush or shadscale and/or cylindrical cholla (*Cylindropuntia* spp.) cactus (Sheppard 1996). Nests are usually placed in shaded locations in dense and thorny desert shrubs or small trees or cholla cactus, or in artificial sites, usually at 2 to 8 feet above the ground (Sheppard 1996).

Occurrence in the Study Area

Several observations of LeConte's thrasher were recorded during vegetation community mapping and habitat assessment surveys in October 2021 and during rare plant surveys in April 2022 (Appendix I). Approximately 1,066 acres of medium- to high-quality habitat was mapped in the study area, including relatively undisturbed desert scrub vegetation with trees, shrubs, or cactus at the appropriate height for nesting.

Migratory Bird Treaty Act and CA Fish and Game Code – Protected Birds

The federal Migratory Bird Treaty Act (MBTA) protects most native birds and their nests, including many species that are non-migratory in California. Under MBTA, it is illegal to take, possess, buy, sell, purchase, or barter any bird listed in 50 CFR Part 10. MBTA also restricts any disturbance that causes direct injury, death, nest abandonment, or forced fledging of migratory birds. California Fish and Game Code (CFGC) Section 3513 protects all migratory nongame birds covered by the MBTA at the state level. CFGC Section 3503 also protects most birds and their nests, and CFGC Section 3503.5 further protects birds of prey, including eagles, hawks, falcons, and owls. Suitable nesting habitat for birds protected under MBTA and/or CFGC, including trees, shrubs, man-made structures, and the ground surface, is present in the study area. During the Proposed Project-related surveys between September and December 2021, 10 nests were observed in the study area. These nests, located in trees or power poles, were determined to be inactive corvid or raptor nests. No avian activity was observed at any of the nests; however, the surveys were conducted outside the normal nesting season (February 1 through August 30). A list of bird species observed in the study area during surveys is included in Appendix D.

4.3.3 Mammals

American Badger (*Taxidea taxus*)

The American badger is a CDFW SSC that inhabits drier open stages of most shrub, forest, and herbaceous habits with friable soils. Cropland, desert, grassland, savanna, and shrubland/chaparral are preferred habitat types for the American badger. The species is chiefly nocturnal, mostly solitary, and feeds primarily on small rodents that are captured by digging out the rodent burrows. American badgers are an uncommon, permanent resident throughout most of California, except in the northern North Coast area (Zeiner et al. 1990).

Occurrence in the Study Area

American badgers have historically been detected in the study area and the surrounding region (CDFW 2021a, 2022a) Neither badgers nor their burrows were observed during field surveys. Three CNDDB occurrences were recorded approximately 6 miles west of the study area in 2014 and 2015. During the habitat assessment surveys in October 2021, approximately 7,091 acres of medium- to high-quality habitat for American badger was recorded in the study area. This habitat includes relatively undisturbed, low density, creosote scrub vegetation with friable soils, has low levels of human activity and development, and is distant from developed roads or highways.

Desert Kit Fox (*Vulpes macrotis arsipus*)

The desert kit fox is protected from take per CFGC Chapter 5, Sec, 460 "Fisher, Marten, River Otter, Desert Kit Fox, and Red Fox" (CFGC 2019). This species inhabits open, level desert areas with loose-textured soils supporting scattered, shrubby vegetation with little human disturbance. The species has historically been broadly distributed across the California desert, relying on creosote scrub communities that support abundant rodent populations. The desert kit fox is an uncommon to rare resident of the Mojave and Colorado deserts of California (Kadaba et al. 2013).

Occurrence in the Study Area

One active kit fox den and 11 potential kit fox dens were observed during vegetation community mapping and habitat assessment surveys in October 2021. Three additional active kit fox dens were observed during rare plant surveys in April 2022. One active and three inactive dens were observed in the study area during habitat and aquatic resources surveys in September and October 2022 (Appendix I). Approximately 7,405 acres of medium- to high-quality habitat for desert kit fox was identified in the study area during habitat assessment surveys and in the IC Project area. This habitat includes relatively undisturbed, low density, creosote scrub vegetation with friable soils and has low levels of human activity and development.

Mohave Ground Squirrel (*Xerospermophilus mohavensis*)

The Mohave ground squirrel is listed as State-threatened, is a BLM S Species, and a DRECP Focus Species. It is endemic to the western Mojave Desert and inhabits desert areas with flat or moderately sloping topography, deep sandy or gravelly friable soils, and an abundance of annual herbaceous vegetation. The species is found in creosote bush scrub, shadscale scrub, alkali sink scrub, and Joshua tree woodlands. Mohave ground squirrel nests in underground burrows, often beneath large shrubs (Wessman 1977). It has one of the smallest geographic ranges of any North American ground squirrel and spends most of the year in underground burrows (Zeiner et al. 1990).

Occurrence in the Study Area

The study area is within the known range of Mohave ground squirrel and suitable scrub habitat is present in the study area (Leitner et al. 2008). In addition, the study area is located in an identified core area that supports relatively abundant Mohave ground squirrel populations (CDFW 2021d). This core area is connected to other core areas by potential habitat corridors that allow gene flow between different populations of Mohave ground squirrel (CDFW 2021d). There are 49 CNDDB records within 5 miles of the study area recorded between 1999 and 2017 (CDFW 2021a, 2022a). Approximately 7,182 acres of medium- to high-quality habitat for Mohave ground squirrel was identified in the study area during habitat assessment surveys and in the IC Project area. This habitat includes relatively undisturbed creosote scrub vegetation, presence of the plant boxthorn

(*Lycium* sp.), presence of small mammal burrows, has low levels of human activity and development, and is distant from developed roads or highways.

4.4 Wildlife Movement

Scrub vegetation communities in the study area provide connectivity to other larger stretches of similar habitat. These provide potential local migration corridors for birds, mammals, and reptiles. Near the study area, mountain ranges and passes under State Highway 58 also provide corridors for wildlife movement. The Pacific Flyway, a major north-south corridor for migratory birds, intersects the study area and habitat in the Proposed Project site may provide foraging and/or shelter habitats for migrating birds that move through the California desert ecosystem in spring and fall.

A network of wildlife linkages identified in the DRECP LUPA cross the Proposed Project alignment. In addition, the Proposed Project is located near several designated conservation areas. The Desert Tortoise Areas of Critical Environmental Concern (ACEC) and Western Rand Mountains ACEC, which are located northwest of the study area, were specifically established by BLM to create and protect wildlife linkages to other conservation and wilderness areas (Figure 3; BLM et al. 2016). The northwestern and eastern extents of the study area are also near the Fremont-Kramer ACEC, which includes essential wildlife movement corridors that link habitats in the Western Rand Mountains and Fremont Valley to the Cuddleback Lake area and to both the Golden Valley and Grass Valley Wildernesses (BLM et al. 2016).

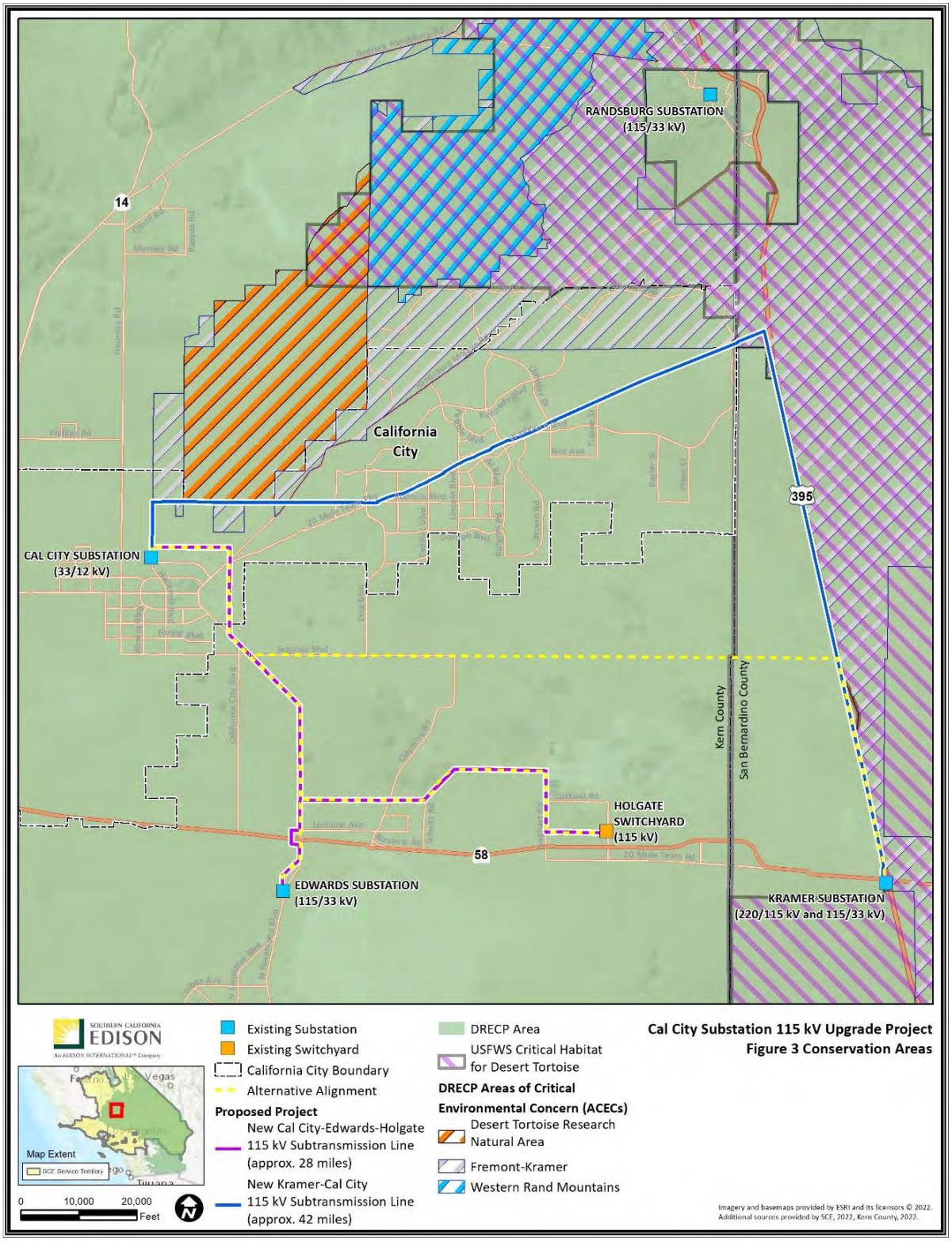
The study area also contains potential habitat corridors between Mohave ground squirrel core areas and known populations (Leitner 2009).

4.5 USFWS Designated Critical Habitat

USFWS-designated critical habitat for Mojave desert tortoise is located along the eastern boundary of the study area. The study area coincides with critical habitat at the intersection of U.S. 395 and Twenty Mule Team Parkway in the northeast, and near Kramer Junction in the southeast (Figure 3). The study area contains approximately 322.4 acres of critical habitat in the Fremont Kramer Recovery Unit (USFWS 2021a).

The physical or biological features for desert tortoise critical habitat include sufficient space for individual and population growth and normal behavior, which can range anywhere from 100 to 200 acres; food, water, or other nutritional or physiological requirements; cover or shelter; sites for breeding, reproducing, and rearing of offspring; and habitats that are protected from disturbance or are representative of the historical geographical and ecological distribution of the species (55 FR 12178-12191).

Figure 3 Conservation Areas



4.6 Aquatic Resources

Based upon the findings of the aquatic resource delineation surveys, including data from previous surveys referenced in Section 2.2, many features in the study area are subject to RWQCB and/or CDFW jurisdiction. Additionally, several non-jurisdictional features (e.g., erosional features, roadside swales) were observed in the study area. The aquatic resources delineation surveys did not constitute a formal jurisdictional delineation. Jurisdiction could not be determined for playas, which were mapped as possibly jurisdictional.

A characterization summary of observed features that were jurisdictional or potentially jurisdictional, including features mapped for the IC project, is presented in Table 7; non-jurisdictional features are not included and are discussed in Section 4.6.5. These areas are identified in Appendix J. Jurisdictional features with flow that changed to diffuse surface flow across roads are depicted as single features with a gap where an ordinary high water mark (OHWM) could not be defined in Appendix J. Representative photographs of the features observed are included in Appendix C.

Table 7 Aquatic Resources within the Study Area

Jurisdictional Water Type	Amount (acres)[2]
USACE Jurisdiction	
Non-Wetland Waters of the U.S.	0.0
Culverted Non-Wetland Waters of the U.S.	0.0
Wetland Waters of the U.S.	0.0
Total Waters of the U.S.	0.0
RWQCB Jurisdiction	
Non-Wetland Waters of the State	8.54
Culverted Non-Wetland Waters of the State	0.15
Wetland Waters of the State	0
Total Waters of the State	8.70
CDFW Jurisdiction	
CDFW Jurisdictional Streambed	28.10
Possibly Jurisdictional	
Jurisdiction To Be Determined[1]	25.84

[1] Playas were mapped as possibly jurisdictional; jurisdiction may be determined by a formal jurisdictional

[2] Acreages are rounded from GIS calculations

4.6.1 USACE Jurisdiction

All aquatic features in the study area are isolated, intrastate waters which do not possess a hydrologic connection or a significant nexus to any TNW. Cache Creek, the only named aquatic resource in the study area, flows northward approximately 10 miles into Koehn Dry Lake. All other drainages in the study area flow into Cache Creek, Harper Dry Lake (approximately 12 miles east of the study area), Rogers Dry Lake (approximately 2 miles south of the study area), or into smaller basins. Koehn Dry Lake, Harper Dry Lake, and Rogers Dry Lake are dry lakes with no outlet[1]. Due to the absence of a hydrologic connection or significant nexus to any TNW, no USACE jurisdictional waters are present in the study area.

4.6.2 RWQCB Jurisdiction

No areas potentially meeting the State wetland definition were identified in the study area. Hydrology indicators including shallow mud cracks and drainage patterns were observed in some features in the study area. Two hydrophytic vegetation communities are present in the study area: allscale scrub and tamarisk thickets. No hydric soil types are mapped in the study area (USDA, NRCS 2021b); however, no sample points were assessed as part of the aquatic resource delineation. Due to the highly ephemeral flood regime of drainages in the Mojave Desert and the dominance of upland plant species, the aquatic resource delineation determined that no wetland waters of the State are present in the study area. A formal jurisdictional delineation would be required to confirm this.

Jurisdictional non-wetland waters of the State delineated in the study area include vegetated channels, unvegetated channels, and culverts. All these features, including Cache Creek, are non-tributary features considered intrastate isolated waters of the State, as they do not possess a hydrologic connector or significant nexus to any TNW. See Appendix J for the locations of these features mapped in 2021 and from the IC Project surveys.

4.6.3 CDFW Jurisdiction

Many jurisdictional features in the study area, including Cache Creek, are likely CDFW-jurisdictional streambeds pursuant to Section 1600 et. Seq. of the CFGC, based on the presence of a well-defined bed and bank and/or presence of riparian vegetation. See Appendix J for the locations of these features mapped in 2021 and from the IC Project surveys.

4.6.4 Potentially Jurisdictional Features

Playa features present in the study area were mapped; however, the jurisdictions of these features were not determined during the aquatic resource survey. The playas were characterized by a lack of vegetation and light surface cracking. A formal jurisdictional delineation is required to determine whether these features are subject to RWQCB or CDFW jurisdiction. See Appendix J for the locations of these features mapped in 2021 and from the IC Project surveys.

[1] On June 20, 2017, the USACE determined that Cache Creek is within the drainage basin of Koehn Dry Lake, and has no physical, chemical or biological connection or effect on the nearest TNW. (see approved jurisdictional determination for USACE File No. SPL-2017-00401-TS available at: https://www.spl.usace.army.mil/Portals/17/docs/regulatory/JD/AJD/2017/AJD201700401.pdf).
On March 3, 2014, the USACE determined that Rogers Dry Lake and Harper Dry Lake are isolated with no connection to a downstream TNW, and thus are non-jurisdictional. (see approved jurisdictional determination for USACE File No. SPL-2013-00162-BEM available at: https://www.spl.usace.army.mil/Portals/17/docs/regulatory/JD/AJD/2014/SPL201300162-BEM.pdf). USACE determinations are generally valid for 5 years. Although this determination may no longer be valid, the conclusions remain the same that these dry lakes do not form any connection with a TNW.

4.6.5 Non-Jurisdictional Features

Non-jurisdictional features in the study area did not contain a OHWM or natural streambed characteristics, were not perennial or intermittent tributaries that contribute surface flow to or have any significant nexus to TNWs or were roadside ditches that were hydrologically isolated from tributaries and/or TNWs. See Appendix J for the locations of these features mapped in 2021. Non-jurisdictional features from the IC Project are not included in Appendix J.

Types of non-jurisdictional features mapped in the study area include erosional features, culverts with no associated jurisdictional feature, inaccessible detention basins, small ponding areas in a dumping yard, manmade roadside ditches, old roadways, depressions, and roadside swales.

5 Limitations, Assumptions, and Use Reliance

The surveys described in this BRTR have been performed in accordance with professionally accepted biological investigation practices conducted at this time and in this geographic area. The biological investigation is limited by the scope of work performed. The biological surveys are limited by the environmental conditions present at the time of the surveys. In addition, negative results of general biological and protocol surveys do not guarantee that any given taxa are not present and will not be discovered in the study area in the future. In particular, mobile wildlife species could occupy the study area on a transient basis or re-establish populations in the future. Our field studies were based on current industry practices, which change over time and may not be applicable in the future. No other guarantees or warranties, expressed or implied, are provided. The findings and opinions conveyed in this report are based on findings derived from site reconnaissance, jurisdictional areas, review of CNDDB RareFind5, and specified historical and literature sources. Standard data sources relied upon during the completion of this report, such as the CNDDB, may vary with regard to accuracy and completeness. In particular, the CNDDB is compiled from research and observations reported to CDFW that may or may not have been the result of comprehensive or site-specific field surveys. Although Rincon believes the data sources are reasonably reliable, Rincon cannot and does not guarantee the authenticity or reliability of the data sources it has used. Additionally, pursuant to our contract, the data sources reviewed included only those that are practically reviewable without the need for extraordinary research and analysis.

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Appendix A

Regulatory Framework

Regulatory Framework

The following is a brief summary of the regulatory context under which biological resources are managed at the federal, state, and local levels. A number of federal and State statutes provide a regulatory structure that guides the protection of biological resources. Agencies with the responsibility for protection of biological resources within the project site include:

- U.S. Army Corps of Engineers (wetlands and other waters of the United States);
- U.S. Fish and Wildlife Service (federally listed species and migratory birds);
- National Marine Fisheries Service (marine animals and anadromous fishes);
- Lahontan Regional Water Quality Control Board (waters of the State);
- California Department Fish and Wildlife (riparian areas, streambeds, and lakes; State-listed species; nesting birds, marine resources);
- Bureau of Land Management (species designated as sensitive);
- Desert Renewable Energy Conservation Plan (DRECP); and
- California Desert Conservation Area (CDCA).

United States Army Corps of Engineers

The United States Army Corps of Engineers (USACE) is responsible for administering several federal programs related to ensuring the quality and navigability of the nation's waters.

Clean Water Act Section 404

Congress enacted the Clean Water Act (CWA) "to restore and maintain the chemical, physical, and biological integrity of the Nation's waters." Section 404 of the CWA authorizes the Secretary of the Army, acting through the USACE, to issue permits regulating the discharge of dredged or fill materials into the "navigable waters at specified disposal sites."

Section 502 of the CWA further defines "navigable waters" as "waters of the United States, including the territorial seas." "Waters of the United States" are broadly defined at 33 CFR Part 328.3 to include navigable waters, perennial and intermittent streams, lakes, rivers, ponds, as well as wetlands, marshes, and wet meadows. In recent years the USACE and US Environmental Protection Agency (USEPA) have undertaken several efforts to modernize their regulations defining "waters of the United States" (e.g., the 2015 Clean Water Rule and 2020 Navigable Waters Protection Rule), but these efforts have been frustrated by legal challenges which have invalidated the updated regulations. Thus, the agencies' longstanding definition of "waters of the United States," which dates from 1986, remains in effect albeit with supplemental guidance interpreting applicable court decisions as described below.

Waters of the U.S.

In summary, USACE and USEPA regulations define "waters of the United States" as follows:

1. All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;
2. All interstate waters including interstate wetlands;
3. All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce including any such waters:
    i. Which are or could be used by interstate or foreign travelers for recreational or other purposes; or
    ii. From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or
    iii. Which are used or could be used for industrial purpose by industries in interstate commerce;
4. All impoundments of waters otherwise defined as waters of the United States;
5. Tributaries of waters identified in paragraphs (a)(1)-(4) of this section;
6. The territorial sea; or
7. Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in items 1-6 above.

Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the CWA, the final authority regarding CWA jurisdiction remains with the USEPA.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA are not waters of the United States.

The lateral limits of USACE jurisdiction in non-tidal waters is defined by the “ordinary high-water mark” (OHWM) unless adjacent wetlands are present. The OHWM is a line on the shore or edge of a channel established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed upon the bank, shelving, changes in the character of soil, destruction of vegetation, or the presence of debris (33 CFR 328.3(e)). As such, waters are recognized in the field by the presence of a defined watercourse with appropriate physical and topographic features. If wetlands occur within, or adjacent to, waters of the United States, the lateral limits of USACE jurisdiction extend beyond the OHWM to the outer edge of the wetlands (33 CFR 328.4 (c)). The upstream limit of jurisdiction in the absence of adjacent wetlands is the point beyond which the OHWM is no longer perceptible (33 CFR 328.4; see also 51 FR 41217).

Wetlands

The USACE defines wetlands as “those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions” (33 CFR 328.3). The USACE’s delineation procedures identify wetlands in the field based on indicators of three wetland parameters: hydrophytic vegetation, hydric soils, and wetland hydrology. The following is a discussion of each of these parameters.

Hydrophytic Vegetation

Hydrophytic vegetation dominates areas where frequency and duration of inundation or soil saturation exerts a controlling influence on the plant species present. Plant species are assigned wetland indicator status according to the probability of their occurring in wetlands. More than fifty percent of the dominant plant species must have a wetland indicator status to meet the hydrophytic vegetation criterion. The USACE published the National Wetland Plant List (USACE 2018), which separates vascular plants into the following four basic categories based on plant species frequency of occurrence in wetlands:

- **Obligate Wetland (OBL).** Almost always occur in wetlands
- **Facultative Wetland (FACW).** Usually occur in wetlands, but occasionally found in non-wetlands
- **Facultative (FAC).** Occur in wetlands or non-wetlands
- **Facultative Upland (FACU).** Usually occur in non-wetlands, but may occur in wetlands
- **Obligate Upland (UPL).** Almost never occur in wetlands

The USACE considers OBL, FACW and FAC species to be indicators of wetlands. An area is considered to have hydrophytic vegetation when greater than 50 percent of the dominant species in each vegetative stratum (tree, shrub, and herb) fall within these categories. Any species not appearing on the United States Fish and Wildlife Service's list is assumed to be an upland species, almost never occurring in wetlands. In addition, an area needs to contain at least 5% vegetative cover to be considered as a vegetated wetland.

Hydric Soils

Hydric soils are saturated or inundated for a sufficient duration during the growing season to develop anaerobic or reducing conditions that favor the growth and regeneration of hydrophytic vegetation. Field indicators of wetland soils include observations of ponding, inundation, saturation, dark (low chroma) soil colors, bright mottles (concentrations of oxidized minerals such as iron), gleying (indicates reducing conditions by a blue-grey color), or accumulation of organic material. Additional supporting information includes documentation of soil as hydric or reference to wet conditions in the local soils survey, both of which must be verified in the field.

Wetland Hydrology

Wetland hydrology is inundation or soil saturation with a frequency and duration long enough to cause the development of hydric soils and plant communities dominated by hydrophytic vegetation. If direct observation of wetland hydrology is not possible (as in seasonal wetlands), or records of wetland hydrology are not available (such as stream gauges), assessment of wetland hydrology is frequently supported by field indicators, such as water marks, drift lines, sediment deposits, or drainage patterns in wetlands.

Applicable Case Law and Agency Guidance

The USACE's regulations defining "waters of the United States" have been subject to legal interpretation, and two influential Supreme Court decisions have narrowed the definition to exclude certain classes of waters that bear an insufficient connection to navigable waters. In *Solid Waste Agency of Northern Cook County v. Army Corps of Engineers* (2001), the United States Supreme Court stated that the USACE's CWA jurisdiction does not extend to ponds that "are not adjacent to open water." In reaching its decision, the Court concluded that the "Migratory Bird Rule," which

served as the basis for the USACE's asserted jurisdiction, was not supported by the CWA. The Migratory Bird Rule extended CWA jurisdiction to intrastate waters "which are or would be used as habitat by birds protected by Migratory Bird Treaties or which are or would be used as habitat by other migratory birds which cross state lines…" The Court was concerned that application of the Migratory Bird Rule resulted in "reading the term 'navigable waters' out of the statute. Highlighting the language of the CWA to determine the statute's jurisdictional reach, the Court stated, "the term 'navigable' has at least the import of showing us what Congress had in mind as its authority for enacting the CWA: its traditional jurisdiction over waters that were or had been navigable in fact or which could reasonably be so made." This decision stands for the proposition that non-navigable isolated, intrastate waters are not waters of the United States and thus are not jurisdictional under the CWA.

In 2006 the United States Supreme Court decided *Rapanos v. United States* and *Carabell v. United States* (collectively "Rapanos"), which were consolidated cases determining the extent of CWA jurisdiction over waters that carry only an infrequent surface flow. The court issued no majority opinion in Rapanos. Instead, the justices authored five separate opinions including the "plurality" opinion, authored by Justice Scalia (joined by three other justices), and a concurring opinion by Justice Kennedy. To guide implementation of the decision, the USACE and USEPA issued a joint guidance memorandum ("Rapanos Guidance Memorandum") in 2008 stating that "regulatory jurisdiction under the CWA exists over a water body if either the plurality's or Justice Kennedy's standard is satisfied."

According to the plurality opinion in Rapanos, "the waters of the United States include only relatively permanent, standing or flowing bodies of water" and do not include "ordinarily dry channels through which water occasionally or intermittently flows." In addition, while all wetlands that meet the USACE definition are considered adjacent wetlands, only those adjacent wetlands that have a continuous surface connection because they directly about the tributary (e.g., they are not separated by uplands, a berm, dike, or similar feature) are considered jurisdictional under the plurality standard.

Under Justice Kennedy's opinion, "the USACE's jurisdiction over wetlands depends upon the existence of a significant nexus between the wetlands in question and navigable waters in the traditional sense. Wetlands possess the requisite nexus, and thus come within the statutory phrase 'navigable waters,' if the wetlands, either alone or in combination with similarly situated lands in the region, significantly affect the chemical, physical, and biological integrity of other covered waters more readily understood as 'navigable.' When, in contrast, wetlands' effects on water quality are speculative or insubstantial, they fall outside the zone fairly encompassed by the statutory term 'navigable waters.'" Justice Kennedy identified "pollutant trapping, flood control, and runoff storage" as some of the critical functions wetlands can perform relative to other waters. He concluded that, given wetlands' ecological role, "mere adjacency" to a non-navigable tributary was insufficient to establish CWA jurisdiction, and that "a more specific inquiry, based on the significant nexus standard, is therefore necessary."

Interpreting these decisions, and according to the Rapanos Guidance Memorandum, the USACE and USEPA will assert jurisdiction over the following waters:

- Traditional navigable waters (TNWs);
- Wetlands adjacent to traditional navigable waters;

- Non-navigable tributaries of traditional navigable waters that are relatively permanent where the tributaries typically flow year-round or have continuous flow at least seasonally (e.g., typically three months); and
- Wetlands that directly abut such tributaries.

The USACE and USEPA will decide jurisdiction over the following waters based on a fact-specific analysis to determine whether they have a significant nexus with a TNW:

- Non-navigable tributaries that are not relatively permanent;
- Wetlands adjacent to non-navigable tributaries that are not relatively permanent; and,
- Wetlands adjacent to but that do not directly abut a relatively permanent non-navigable tributary.

Where a significant nexus analysis is required, the USACE and USEPA will apply the significant nexus standard as follows:

- A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by all wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical and biological integrity of downstream TNWs; and,
- Significant nexus includes consideration of hydrologic and ecologic factors.

The USACE and USEPA generally will not assert jurisdiction over the following features:

- Swales or erosional features (e.g., gullies, small washes characterized by low volume, infrequent, or short duration flow); and,
- Ditches (including roadside ditches) excavated wholly in and draining only uplands and that do not carry a relatively permanent flow of water.

Rivers and Harbors Act Section 10

Section 10 of the Rivers and Harbors Act of 1899 requires authorization from the USACE for the construction of any structure in or over any navigable water of the United States. Structures or work outside the limits defined for navigable waters of the United States require a Section 10 permit if the structure or work affects the course, location, or condition of the water body. The law applies to any dredging or disposal of dredged materials, excavation, filling, re-channelization, or any other modification of a navigable water of the United States, and applies to all structures and work. It further includes, without limitation, any wharf, dolphin, weir, boom breakwater, jetty, groin, bank protection (e.g., riprap, revetment, bulkhead), mooring structures such as pilings, aerial or subaqueous power transmission lines, intake or outfall pipes, permanently moored floating vessel, tunnel, artificial canal, boat ramp, aids to navigation, and any other permanent, or semi-permanent obstacle or obstruction. It is important to note that Section 10 applies only to navigable waters, and thus does not apply to work in non-navigable wetlands or tributaries. In some cases, Section 10 authorization is issued by the USACE concurrently with CWA Section 404 authorization, such as when certain Nationwide Permits are used.

Regional Water Quality Control Board

The State Water Resources Control Board (SWRCB) and nine Regional Water Quality Control Boards (RWQCBs) have jurisdiction over "waters of the State," which are defined as any surface water or groundwater, including saline waters, within the boundaries of the state (California Water Code sec. 13050(e)). These agencies also have responsibilities for administering portions of the CWA.

Clean Water Act Section 401

Section 401 of the CWA requires an applicant requesting a federal license or permit for an activity that may result in any discharge into navigable waters (such as a Section 404 Permit) to provide State certification that the proposed activity will not violate State and federal water quality standards. In California, CWA Section 401 Water Quality Certification (Section 401 Certification) is issued by the RWQCBs and by the SWRCB for multi-region projects. The process begins when an applicant submits an application to the RWQCB and informs the USACE (or the applicable agency from which a license or permit was requested) that an application has been submitted. The USACE will then determine a "reasonable period of time" for the RWQCB to act on the application; this is typically 60 days for routine projects and longer for complex projects but may not exceed one year. When the period has elapsed, if the RWQCB has not either issued or denied the application for Section 401 Certification, the USACE may determine that Certification has been waived and issue the requested permit. If a Section 401 Certification is issued it may include binding conditions, imposed either through the Certification itself or through the requested federal license or permit.

Porter-Cologne Water Quality Control Act

The Porter-Cologne Act is the principal law governing water quality regulation in California. It establishes a comprehensive program to protect water quality and the beneficial uses of water. The Porter-Cologne Act applies to surface waters, wetlands, and ground water and to both point and nonpoint sources of pollution. Pursuant to the Porter-Cologne Act (California Water Code section 13000 et seq.), the policy of the State is as follows:

- The quality of all the waters of the State shall be protected.
- All activities and factors affecting the quality of water shall be regulated to attain the highest water quality within reason.
- The State must be prepared to exercise its full power and jurisdiction to protect the quality of water in the State from degradation.

The Porter-Cologne Act established nine RWQCBs (based on watershed boundaries) and the SWRCB, which are charged with implementing its provisions and which have primary responsibility for protecting water quality in California. The SWRCB provides program guidance and oversight, allocates funds, and reviews RWQCB decisions. In addition, the SWRCB allocates rights to the use of surface water. The RWQCBs have primary responsibility for individual permitting, inspection, and enforcement actions within each of nine hydrologic regions. The SWRCB and RWQCBs have numerous nonpoint source related responsibilities, including monitoring and assessment, planning, financial assistance, and management.

Section 13260 of the Porter-Cologne Act requires any person discharging or proposing to discharge waste that could affect the quality of waters of the State to file a Report of Waste Discharge with

the appropriate RWQCB. The RWQCB may then authorize the discharge, subject to conditions, by issuing Waste Discharge Requirements (WDRs). While this requirement was historically applied primarily to outfalls and similar point source discharges, the SWRCB's *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State*, effective May 2020, make it clear that the agency will apply the Porter-Cologne Act's requirements to discharges of dredge and fill material as well. The *Procedures* state that they are to be used in issuing CWA Section 401 Certifications and WDRs, and largely mirror the existing review requirements for CWA Section 404 Permits and Section 401 Certifications, incorporating most elements of the USEPA's *Section 404(b)(1) Guidelines*. Following issuance of the *Procedures*, the SWRCB produced a consolidated application form for dredge/fill discharges that can be used to obtain a CWA Section 401 Water Quality Certification, WDRs, or both.

Non-Wetland Waters of the State

The SWRCB and RWQCBs have not established regulations for field determinations of waters of the State except for wetlands currently. In many cases the RWQCBs interpret the limits of waters of the State to be bounded by the OHWM unless isolated conditions or ephemeral waters are present. However, in the absence of statewide guidance each RWQCB may interpret jurisdictional boundaries within their region and the SWRCB has encouraged applicants to confirm jurisdictional limits with their RWQCB before submitting applications. As determined by the RWQCB, waters of the State may include riparian areas or other locations outside the OHWM, leading to a larger jurisdictional area over a given water body compared to the USACE.

Wetland Waters of the State

Procedures for defining wetland waters of the State pursuant to the SWRCB's *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State* went into effect May 28, 2020. The SWRCB defines an area as a wetland if, under normal circumstances:

(i) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both;

(ii) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and

(iii) the area's vegetation is dominated by hydrophytes or the area lacks vegetation.

The SWRCB's Implementation Guidance for the Wetland Definition and Procedures for Discharges of Dredge and Fill Material to Waters of the State (2021), states that waters of the U.S. and waters of the State should be delineated using the standard USACE delineation procedures, taking into consideration that the methods shall be modified only to allow for the fact that a lack of vegetation does not preclude an area from meeting the definition of a wetland.

United States Fish and Wildlife Service

The United States Fish and Wildlife Service (USFWS) implements several laws protecting the Nation's fish and wildlife resources, including the Endangered Species Act (ESA; 16 United States Code [USC] Sections 153 et seq.), the Migratory Bird Treaty Act (MBTA; 16 USC Sections 703-711) and the Bald and Golden Eagle Protection Act (16 USC Section 668).

Endangered Species Act

The USFWS and National Marine Fisheries Service (NMFS) share responsibility for implementing the ESA. Generally, the USFWS implements the FESA for terrestrial and freshwater species, while the NMFS implements the FESA for marine and anadromous species. Projects that would result in "take" of any threatened or endangered wildlife species, or a threatened or endangered plant species if occurring on federal land, are required to obtain permits from the USFWS or NMFS through either Section 7 (interagency consultation with a federal nexus) or Section 10 (Habitat Conservation Plan) of the ESA, depending on the involvement by the federal government in funding, authorizing, or carrying out the project. The permitting process is used to determine if a project would jeopardize the continued existence of a listed species and what measures would be required to avoid jeopardizing the species. "Take" under federal definition means to harass, harm (which includes habitat modification), pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. Proposed or candidate species do not have the full protection of the ESA; however, the USFWS and NMFS advise project applicants that they could be elevated to listed status at any time.

Migratory Bird Treaty Act

The MBTA of 1918 implements four international conservation treaties that the U.S. entered into with Canada in 1916, Mexico in 1936, Japan in 1972, and Russia in 1976. It is intended to ensure the sustainability of populations of all protected migratory bird species. The law has been amended with the signing of each treaty, as well as when any of the treaties were amended, such as with Mexico in 1976 and Canada in 1995. The MBTA prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the USFWS.

The list of migratory bird species protected by the law, in regulations at 50 CFR Part 10.13, is primarily based on bird families and species included in the four international treaties. A migratory bird species is included on the list if it meets one or more of the following criteria:

- It occurs in the United States or U.S. territories as the result of natural biological or ecological processes and is currently, or was previously listed as, a species or part of a family protected by one of the four international treaties or their amendments.
- Revised taxonomy results in it being newly split from a species that was previously on the list, and the new species occurs in the United States or U.S. territories as the result of natural biological or ecological processes.
- New evidence exists for its natural occurrence in the United States or U.S. territories resulting from natural distributional changes and the species occurs in a protected family.

In 2004, the Migratory Bird Treaty Reform Act limited the scope of the MBTA by stating the MBTA applies only to migratory bird species that are native to the United States or U.S. territories, and that a native migratory bird species is one that is present as a result of natural biological or ecological processes. The MBTRA requires the USFWS to publish a list of all nonnative, human-introduced bird species to which the MBTA does not apply, and an updated list was published in 2020. The 2020 update identifies species belonging to biological families referred to in treaties the MBTA implements but are not protected because their presence in the United States or U.S. territories is solely the result of intentional or unintentional human-assisted introductions.

Bald and Golden Eagle Protection Act

The Bald and Golden Eagle Protection Act prohibits anyone, without a permit issued by the USFWS, from "taking" bald or golden eagles, including their parts (including feathers), nests, or eggs. The Act provides criminal penalties for persons who "take, possess, sell, purchase, barter, offer to sell, purchase or barter, transport, export or import, at any time or any manner, any bald eagle ... [or any golden eagle], alive or dead, or any part, nest, or egg thereof." The Act defines "take" as "pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb."

"Disturb" means "to agitate or bother a bald or golden eagle to a degree that causes, or is likely to cause, based on the best scientific information available, 1) injury to an eagle, 2) a decrease in its productivity, by substantially interfering with normal breeding, feeding, or sheltering behavior, or 3) nest abandonment, by substantially interfering with normal breeding, feeding, or sheltering behavior."

In addition to immediate impacts, this definition also covers impacts that result from human-induced alterations initiated around a previously used nest site during a time when eagles are not present, if, upon the eagle's return, such alterations agitate or bother an eagle to a degree that interferes with or interrupts normal breeding, feeding, or sheltering habits, and causes injury, death or nest abandonment.

California Department of Fish and Wildlife

The California Department of Fish and Wildlife (CDFW) derives its authority from the Fish and Game Code of California and administers several State laws protecting fish and wildlife resources and the habitats upon which they depend.

California Endangered Species Act

The California Endangered Species Act (CESA) (Fish and Game Code Section 2050 et. seq.) prohibits take of State listed threatened or endangered. Take under CESA is defined as "Hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill" (Fish and Game Code sec. 86). This definition does not prohibit indirect harm by way of habitat modification, except where such harm is the proximate cause of death of a listed species. Where incidental take would occur during construction or other lawful activities, CESA allows the CDFW to issue an Incidental Take Permit upon finding, among other requirements, that impacts to the species have been minimized and fully mitigated. Unlike the federal ESA, CESA's protections extend to candidate species during the period (typically one year) while the California Fish and Game Commission decides whether the species warrants CESA listing.

Native Plant Protection Act

The CDFW also has authority to administer the Native Plant Protection Act (NPPA) (Fish and Game Code Section 1900 et seq.). The NPPA requires the CDFW to establish criteria for determining if a species, subspecies, or variety of native plant is endangered or rare, and prohibits the take of listed plant species. Effective in 2015, CDFW promulgated regulations (14 CCR 786.9) under the authority of the NPPA, establishing that the CESA's permitting procedures would be applied to plants listed

under the NPPA as "Rare." With this change, there is little practical difference for the regulated public between plants listed under CESA and those listed under the NPPA.

Fully Protected Species Laws

The CDFW enforces Sections 3511, 4700, 5050, and 5515 of the Fish and Game Code, which prohibit take of species designated as Fully Protected. The CDFW is not allowed to issue an Incidental Take Permit for Fully Protected species; therefore, impacts to these species must be avoided. The exception is situations where a Natural Community Conservation Plan (NCCP) is in place that authorizes take of the fully protected species.

Avian Protection Laws

California Fish and Game Code sections 3503, 3503.5, and 3513 describe unlawful take, possession, or destruction of native birds, nests, and eggs. Section 3503.5 of the Code protects all birds-of-prey and their eggs and nests against take, possession, or destruction of nests or eggs. Section 3513 makes it a State-level offense to take any bird in violation of the federal Migratory Bird Treaty Act.

CDFW Burrowing Owl Staff Report

CDFW's 2012 Staff Report on Burrowing Owl Mitigation describes CDFW's comprehensive conservation and mitigation strategy for burrowing owls (*Athene cunicularia*), a California SSC. CDFW determined that reversing declining population and range trends for burrowing owls will require implementing more effective conservation actions, including developing more rigorous burrowing owl survey methods; working to improve the adequacy of impacts assessments; developing clear and effective avoidance and minimization measures; and developing mitigation measures to ensure impacts to the species are effectively addressed at the project, local, and/or regional level. The 2012 Staff Report (CDFW 2012) takes into account the California Burrowing Owl Consortium's (CBOC) Survey Protocol and Mitigation Guidelines (CBOC 1993) and supersedes the survey, avoidance, minimization, and mitigation recommendations in the earlier 1995 Staff Report.

Protection of Lakes and Streambeds

California Fish and Game Code section 1602 states that it is unlawful for any person to "substantially divert or obstruct the natural flow of, or substantially change or use any material from the bed, channel, or bank of, any river, stream, or lake" without first notifying the California Department of Fish and Wildlife (CDFW) of that activity. Thereafter, if CDFW determines and informs the entity that the activity will not substantially adversely affect any existing fish or wildlife resources, the entity may commence the activity. If, however, CDFG determines that the activity may substantially adversely affect an existing fish or wildlife resource, the entity may be required to obtain from CDFW a Streambed Alteration Agreement (SAA), which will include reasonable measures necessary to protect the affected resource(s), before the entity may conduct the activity described in the notification. Upon receiving a complete Notification of Lake/Streambed Alteration, CDFW has 60 days to present the entity with a Draft SAA. Upon review of the Draft SAA by the applicant, any problematic terms are negotiated with CDFW and a final SAA is executed.

The CDFW has not defined the term "stream" for the purposes of implementing its regulatory program under Section 1602, and the agency has not promulgated regulations directing how

jurisdictional streambeds may be identified, or how their limits should be delineated. However, four relevant sources of information offer insight as to the appropriate limits of CDFW jurisdiction as discussed below.

- **The plain language of Section 1602 of CFGC** establishes the following general concepts:
  - References "river," "stream," and "lake"
  - References "natural flow"
  - References "bed," "bank," and "channel"
- **Applicable court decisions**, in particular *Rutherford v. State of California* (188 Cal App. 3d 1276 (1987), which interpreted Section 1602's use of "stream" to be as defined in common law. The Court indicated that a "stream" is commonly understood to:
  - Have a source and a terminus
  - Have banks and a channel
  - Convey flow at least periodically, but need not flow continuously and may at times appear outwardly dry
  - Represent the depression between the banks worn by the regular and usual flow of the water
  - Include the area between the opposing banks measured from the foot of the banks from the top of the water at its ordinary stage, including intervening sand bars
  - Include the land that is covered by the water in its ordinary low stage
  - Include lands below the OHWM
- **CDFW regulations** defining "stream" for other purposes, including sport fishing (14 CCR 1.72) and streambed alterations associated with cannabis production (14 CCR 722(c)(21)), which indicate that a stream:
  - Flows at least periodically or intermittently
  - Flows through a bed or channel having banks
  - Supports fish or aquatic life
  - Can be dry for a period of time
  - Includes watercourses where surface or subsurface flow supports or has supported riparian vegetation
- **Guidance documents**, including *A Field Guide to Lake and Streambed Alteration Agreements* (CDFG 1994) and *Methods to Describe and Delineate Episodic Stream Processes on Arid Landscapes for Permitting Utility-Scale Solar Power Plants* (Brady and Vyverberg 2013), which suggest the following:
  - A stream may flow perennially or episodically
  - A stream is defined by the course in which water currently flows, or has flowed during the historical hydrologic course regime (approximately the last 200 years)
  - Width of a stream course can reasonably be identified by physical or biological indicators
  - A stream may have one or more channels (single thread vs. compound form)
  - Features such as braided channels, low-flow channels, active channels, banks associated with secondary channels, floodplains, islands, and stream-associated vegetation, are interconnected parts of the watercourse

- Canals, aqueducts, irrigation ditches, and other means of water conveyance can be considered streams if they support aquatic life, riparian vegetation, or stream-dependent terrestrial wildlife
- Biologic components of a stream may include aquatic and riparian vegetation, all aquatic wildlife including fish, amphibians, reptiles, invertebrates, and terrestrial species which derive benefits from the stream system
- The lateral extent of a stream can be measured in different ways depending on the particular situation and the type of fish or wildlife resource at risk

The tenets listed above, among others, are applied to establish the boundaries of streambeds in various environments. Importance of each factor may be weighted based on site-specific considerations and the applicability of the indicators to the streambed at hand.

Bureau of Land Management

Bureau of Land Management Special Status Species Management Manual

The BLM's Special status Species Management Manual 6840 (BLM 2008) identifies special status species as species listed or proposed for listing under the FESA and species recognized as requiring special management consideration to lessen the likelihood for future listing. According to Manual 6840, they shall retain in federal ownership habitats that are essential for the conservation of any listed species, particularly those that are part of a broader, logical public land ownership management unit. If a BLM special status species (i.e., designated as a BLM Sensitive species), or any federal candidate species or proposed species, is delisted, it will be monitored for the five years following its delisting as a BLM Sensitive species.

Federal Land Policy Management Act of 1976

In 1976, Congress passed the Federal Land Policy Management Act (FLPMA), which governs the manner by which public lands administered by the BLM are managed. The FLPMA requires BLM to develop land use plans, also known as Resource Management Plans, to guide BLM's management of public land.

Desert Renewable Energy Conservation Plan

The Desert Renewable Energy Conservation Plan (DRECP) is a collaborative effort between the California Energy Commission, California Department of Fish and Wildlife, BLM, and USFWS to help provide effective protection and conservation of desert ecosystems while allowing for the appropriate development of renewable energy projects (BLM et al. 2016). The DRECP is focused on 22.5 million acres on public and private lands across Imperial, Inyo, Kern, Los Angeles, Riverside, San Bernardino, and San Diego Counties. The DRECP amends the 1980 CDCA Plan and serves as an HCP under section 10(a)(1)(B) of the FESA. The project lies entirely within the DRECP area.

As part of the DRECP effort, BLM prepared a Land Use Planning Amendment (LUPA) that amends the CDCA Plan applicable to BLM-managed public lands (BLM et al. 2016). This LUPA identified and mapped areas for renewable energy development and areas for long-term natural resource conservation, consistent with the FLPMA multiple-use and sustained yield requirements. Conservation areas within BLM land under the LUPA for the DRECP include existing, modified, and

new ACECs. Portions of the project fall within the Fremont-Kramer ACEC and the Desert Tortoise Research Natural Area ACEC.

Local Jurisdiction

San Bernardino County Policy Plan

The Natural Resources Element of the *San Bernardino County Policy Plan* contains policies and guidance that are designed to protect and conserve environmental resources in San Bernardino County. The purpose of this element is to establish policies that presence and enhance natural resources and to provide guidance on coordination for managing and conserving watersheds, wildlife habitat areas and corridors, and open space areas within the County. The element also provides guidance on the location and distribution of new development to protect natural resources. The Natural Resources Element includes the protection and preservation of natural resources including agricultural/grazing lands, watersheds, minerals, native plants and wildlife, and plant and wildlife habitat areas.

Project-applicable policies within the Natural Resources Element include:

- **Policy NR-5.1: Coordinated habitat planning**. We participate in landscape-scale habitat conservation planning and coordinate with existing or proposed habitat conservation and natural resource management plans for private and public lands to increase certainty for both the conservation of species, habitats, wildlife corridors, and other important biological resources and functions; and for land development and infrastructure permitting.
- **Policy NR-5.2: Capacity for resource protection and management**. We coordinate with public and nongovernmental agencies to seek funding and other resources to protect, restore, and maintain open space, habitat, and wildlife corridors for threatened, endangered, and other sensitive species.
- **Policy NR-5.7: Development review, entitlement, and mitigation**. We comply with State and federal regulations regarding protected species of animals and vegetation through the development review, entitlement, and environmental clearance processes.
- **Policy NR-5.8: Invasive species.** We require the use of non-invasive plant species with new development and encourage the management of existing invasive plant species that degrade ecological function.

San Bernardino County Code of Ordinances

The following San Bernardino County Ordinances apply to the project:

- Chapter 88.01: Plant Protection and Management
- § 88.01.040 Regulated Trees and Plants
- A regulated tree or plant shall be any of the trees or plants identified in Section 88.01.060 (c), Section 88.01.070 (b), or Section 88.01.080 (b).
- A Tree or Plant Removal Permit shall be required for the removal of regulated trees and plants.
- § 88.01.060 Desert Native Plant Protection

- c) *Regulated Desert Native Plants*. The following desert native plants or any part of them, except the fruit, shall not be removed except under a Tree or Plant Removal Permit in compliance with § 88.01.050.
  1) The following desert native plants with stems two inches or greater in diameter or six feet or greater in height:
     A) *Dalea spinosa* (smoketree)
     B) All species of the genus *Prosopis* (mesquites)
  2) All species of the family Agavaceae (century plants, nolinas, yuccas).
  3) Creosote Rings, ten feet or greater in diameter
  4) All Joshua trees
  5) Any part of any of the following species, whether living or dead:
     A) *Olneya tesota* (desert ironwood)
     B) All species of the genus *Prosopis* (mesquites)
     C) Al species of the genus *Cercidium* (palos verdes)
- § 88.01.070 Mountain Forest and Valley Tree Conservation
- b) *Regulated Trees.* The following trees shall only be removed with an approved Tree or Plant Removal Permit issues in compliance with § 88.01.050.
  1) Native Trees: A living, native tree with a six inch or greater stem diameter or 19 inches in circumference measured four and one-half feet above natural grade level.
  2) Palm Trees: Three or more palm trees in linear plantings, which are 50 feet or greater in length with established windrows or parkway plantings, shall be considered to be heritage trees and shall be subject to the provisions of this Chapter regarding native trees.
- § 88.01.080 Riparian Plant Conservation: The provisions of this Section shall apply to all riparian areas located on private land is all zones within the unincorporated areas of the County and to riparian areas on public land owned by the County.
- b) *Regulated Riparian Plants*. The removal of vegetation within 200 feet of the bank of a stream, or in an area indicated as a protected riparian area on an overlay map or Specific Plan, shall require approval of a Tree or Plant Removal Permit in compliance with § 88.01.050.

Kern County General Plan

The Land Use, Open Space, and Conservation Element of the Kern County General Plan contains policies relating to the conservation, development, and utilization of natural resources including water, soils, wildlife, minerals, and other natural resources.

Project-applicable policies within the Conservation Element include:

- **Policy 27**: Threatened or endangered plant and wildlife species should be protected in accordance with State and federal laws.
- **Policy 28**: County should work closely with State and federal agencies to assure that discretionary projects avoid or minimize impacts to fish, wildlife, and botanical resources.
- **Policy 29**: The County will seek cooperative efforts with local, State, and federal agencies to protect listed threatened and endangered plant and wildlife species through the use of

conservation plans and other methods promoting management and conservation of habitat lands.

- **Policy 32**: Riparian areas will be managed in accordance with United States Army Corps of Engineers, and the California Department of Fish and Game rules and regulations to enhance the drainage, flood control, biological, recreational, and other beneficial uses while acknowledging existing land use patterns.

City of California City General Plan

The Open Space and Conservation Element of the *City of California City General Plan* contains goals, policies, and implementation measures that aim to preserve and protect conservation resources that are unique to the City of California City environs. These natural resources include water, floodplains, mineral resources, air quality, sensitive biological resources, and historical and cultural resources.

Project-applicable policies within the Conservation Element include:

- Protect sensitive vegetation and wildlife species, in accordance with State and federal laws and regulations, and to provide for maintenance of supportive habitat for such species in balance with the needs of humans.
- Maintain and promote the retention of natural setting and use of native or adaptable vegetation.
- Encourage the preservation of Joshua trees, known wildflower displays, or other biologically sensitive flora determined during biological surveys.

The project-applicable implementation measure within the Conservation Element states:

- **C-13**: The City shall require the preservation of biological resources by implementation of the following measures:
  - Prior to issuance of a grading or building permit, new development proposals, including on previously disturbed land, shall be required to complete a general biological resources assessment to identify the presence of any sensitive biological resources, including but not limited to, sensitive habitat, sensitive plant species, sensitive wildlife species, jurisdictional drainage features, and wildlife corridors on the project site. Recommendations and/or mitigation measures shall be incorporated into project as conditions of approval.

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Appendix B

IPaC Resource List

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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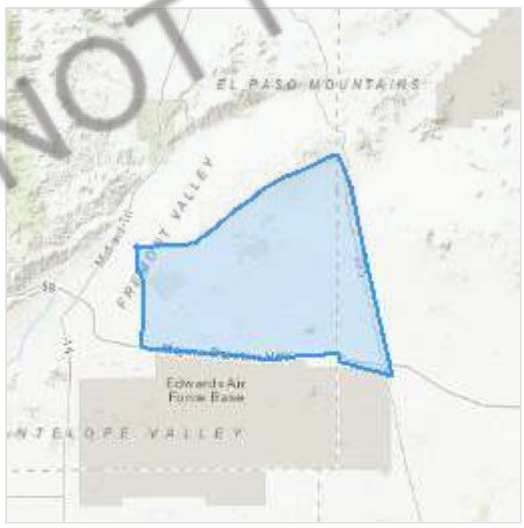
Project information

NAME

Cal City

LOCATION

Kern and San Bernardino counties, California



DESCRIPTION

None

Local office

Carlsbad Fish And Wildlife Office

(760) 431-9440
(760) 431-5901

2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for this project.
4. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of

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Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
California Condor Gymnogyps californianus There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8193	Endangered
Western Snowy Plover Charadrius nivosus nivosus There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8035	Threatened

Reptiles

NAME	STATUS
Desert Tortoise Gopherus agassizii There is **final** critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/4481	Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

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Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

This location overlaps the critical habitat for the following species:

NAME	TYPE
Desert Tortoise Gopherus agassizii https://ecos.fws.gov/ecp/species/4481#crithab	Final

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON

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Bald Eagle *Haliaeetus leucocephalus* — Breeds Oct 15 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

Black-chinned Sparrow *Spizella atrogularis* — Breeds Apr 15 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9447

California Thrasher *Toxostoma redivivum* — Breeds Jan 1 to Jul 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Clark's Grebe *Aechmophorus clarkii* — Breeds Jun 1 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Costa's Hummingbird *Calypte costae* — Breeds Jan 15 to Jun 10

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA
https://ecos.fws.gov/ecp/species/9470

Golden Eagle *Aquila chrysaetos* — Breeds Dec 1 to Aug 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.
https://ecos.fws.gov/ecp/species/1680

Lawrence's Goldfinch *Carduelis lawrencei* — Breeds Mar 20 to Sep 20

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9464

Long-eared Owl *asio otus* — Breeds Mar 1 to Jul 15

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3631

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Marbled Godwit Limosa fedoa — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9481

Pinyon Jay Gymnorhinus cyanocephalus — Breeds Feb 15 to Jul 15
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/9420

Tricolored Blackbird Agelaius tricolor — Breeds Mar 15 to Aug 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/3910

Western Grebe aechmophorus occidentalis — Breeds Jun 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.
https://ecos.fws.gov/ecp/species/6743

Willet Tringa semipalmata — Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events

for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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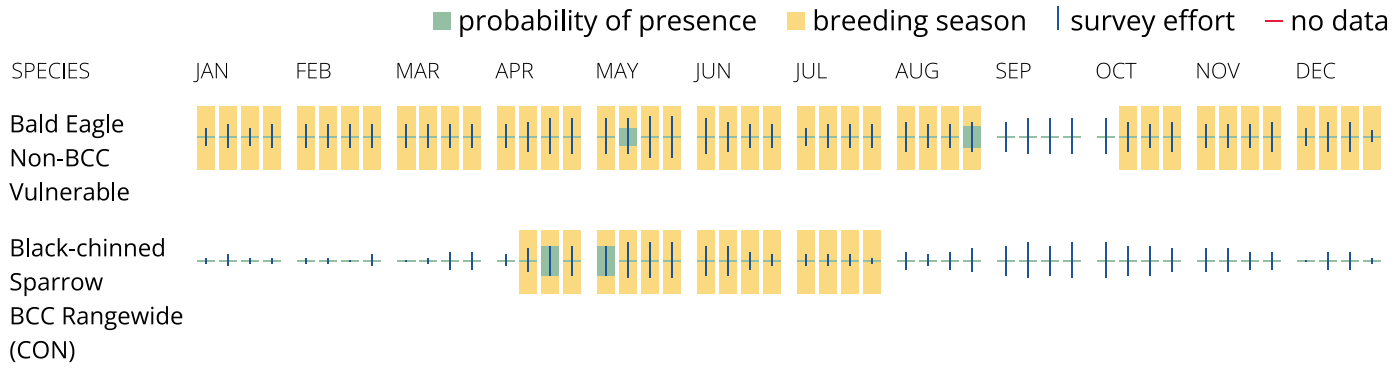

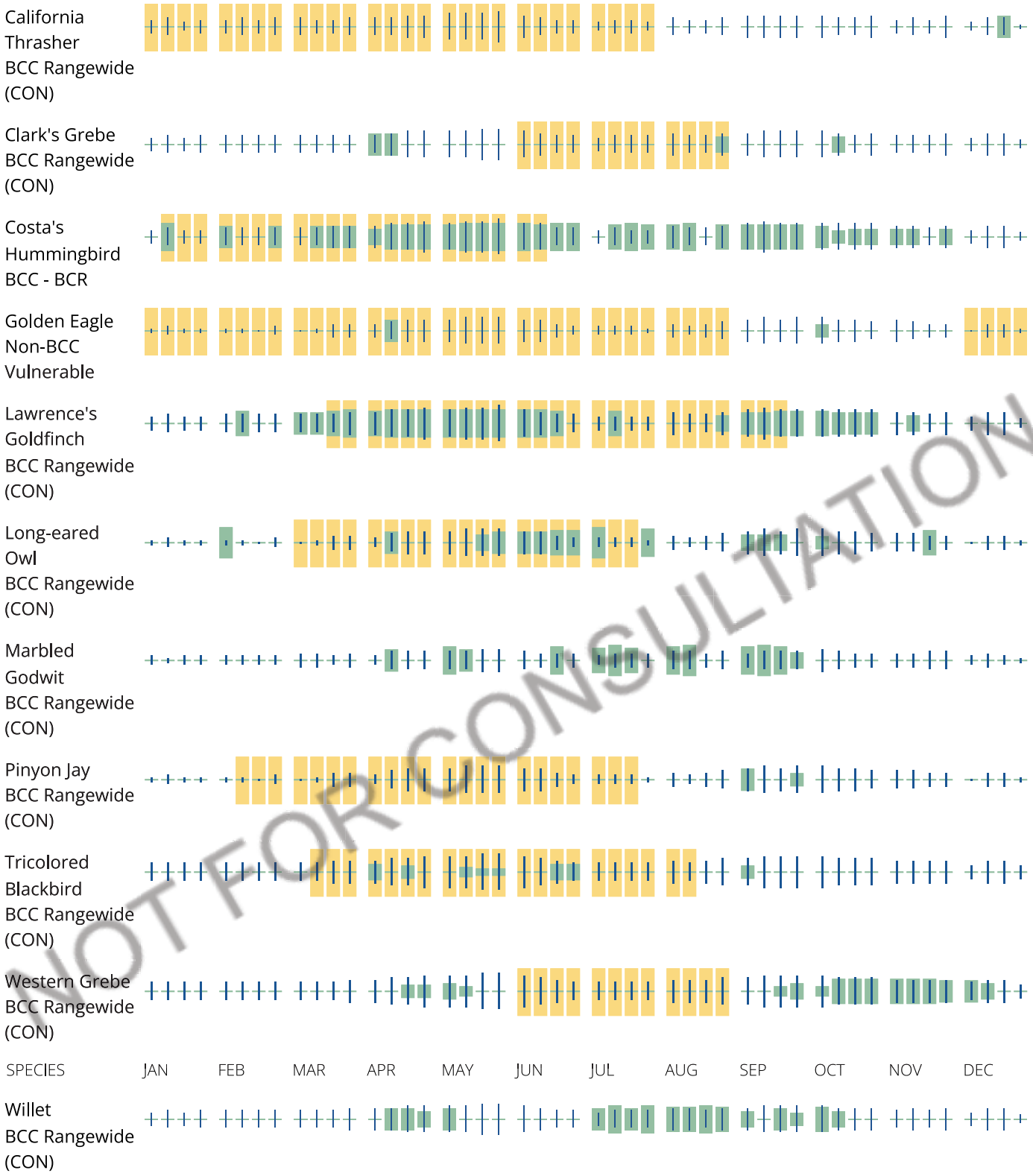

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure.

To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in

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offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

NOT FOR CONSULTATION

Coastal Barrier Resources System

Projects within the John H. Chafee Coastal Barrier Resources System (CBRS) may be subject to the restrictions on Federal expenditures and financial assistance and the consultation requirements of the Coastal Barrier Resources Act (CBRA) (16 U.S.C. 3501 et seq.). For more information, please contact the local Ecological Services Field Office or visit the CBRA Consultations website. The CBRA website provides tools such as a flow chart to help determine whether consultation is required and a template to facilitate the consultation process.

There are no known coastal barriers at this location.

Data limitations

The CBRS boundaries used in IPaC are representations of the controlling boundaries, which are depicted on the official CBRS maps. The boundaries depicted in this layer are not to be considered authoritative for in/out determinations close to a CBRS boundary (i.e., within the "CBRS Buffer Zone" that appears as a hatched area on either side of the boundary). For projects that are very close to a CBRS boundary but do not clearly intersect a unit, you may contact the Service for an official determination by following the instructions here: https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation

Data exclusions

CBRS units extend seaward out to either the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS data, therefore projects in the offshore areas of units (e.g., dredging, breakwaters, offshore wind energy or oil and gas projects) may be subject to CBRA even if they do not intersect the CBRS data. For additional information, please contact CBRA@fws.gov.

NOT FOR CONSULTATION

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

NOT FOR CONSULTATION

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also

been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

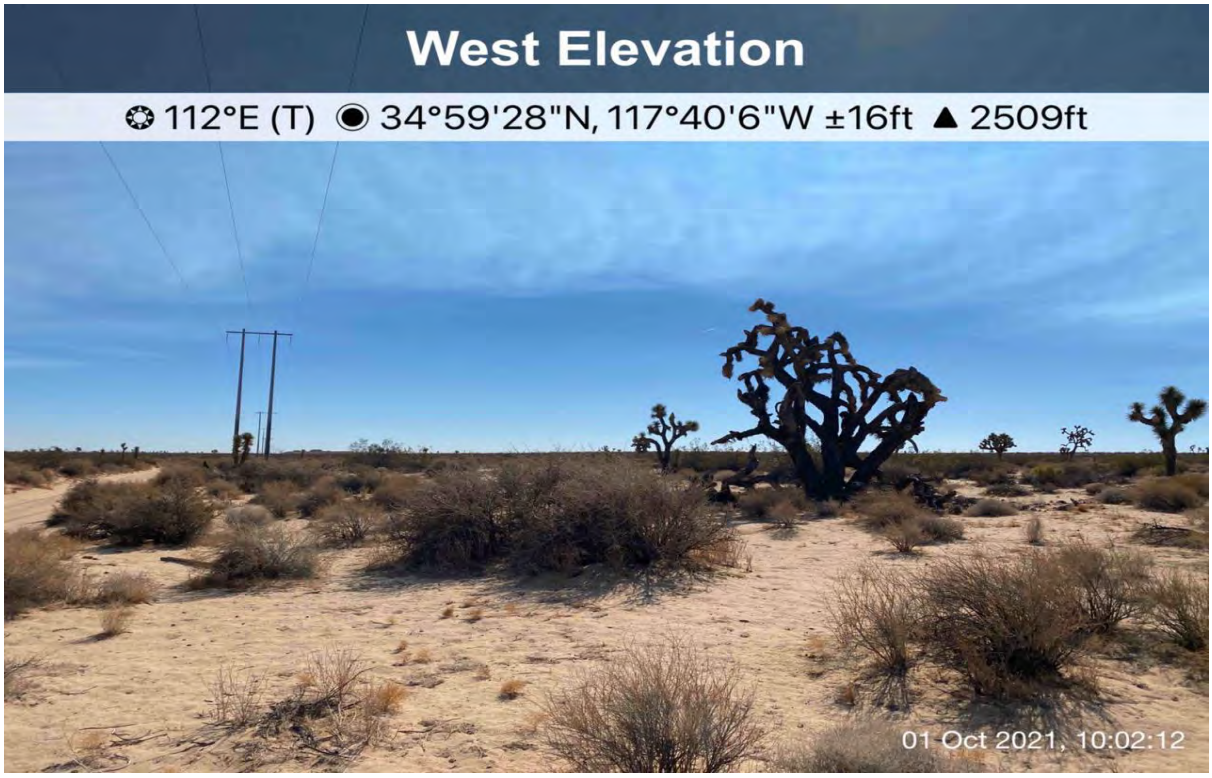
Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

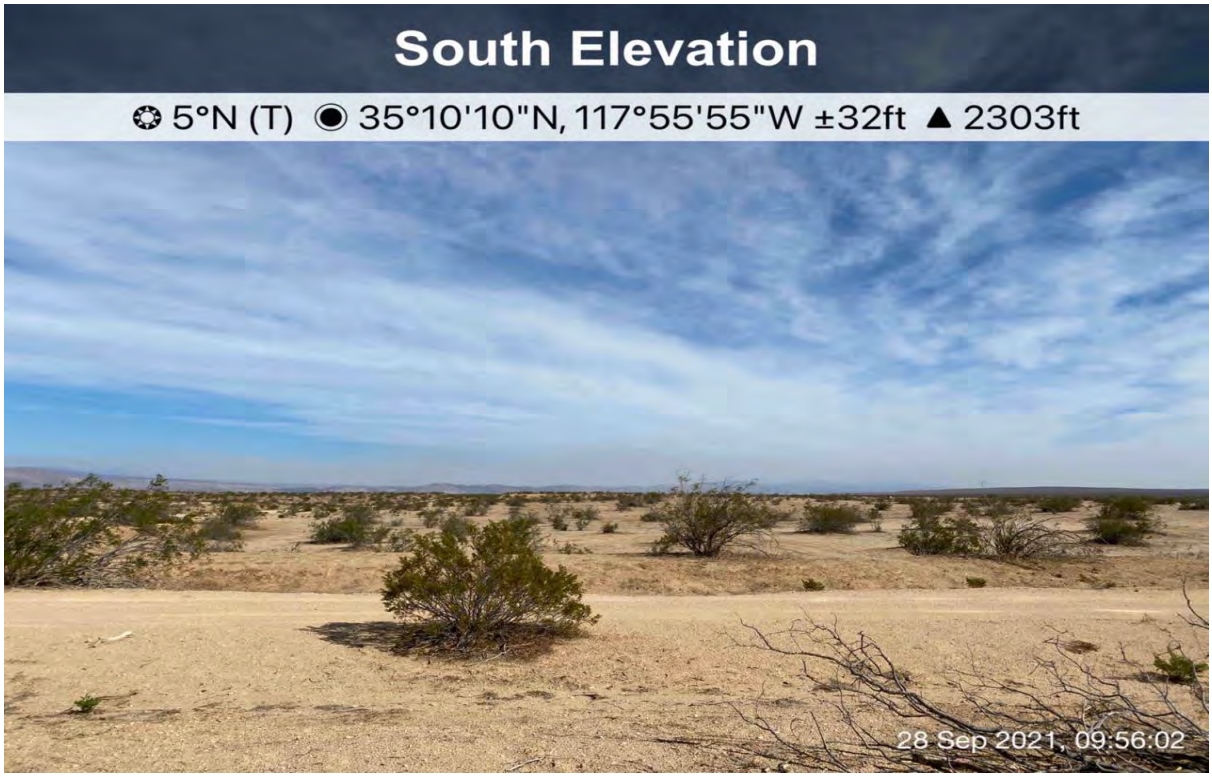
NOT FOR CONSULTATION

Appendix C

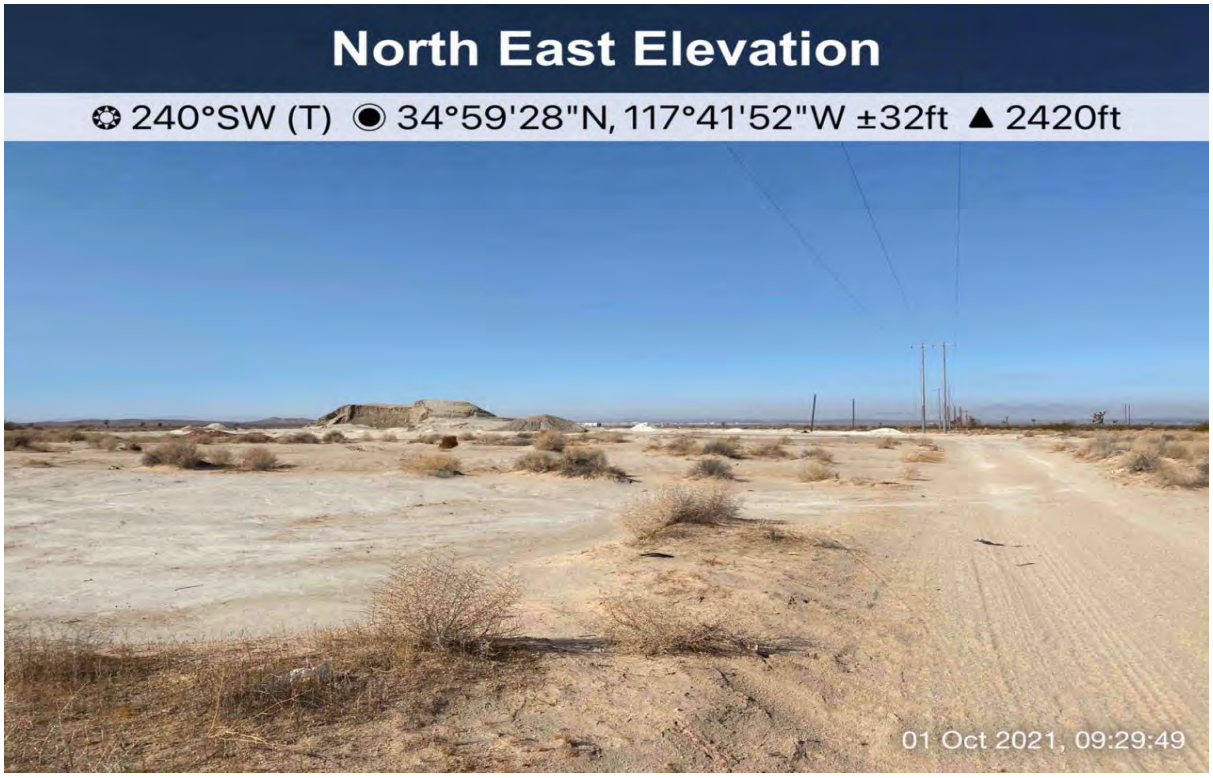
Site Photographs



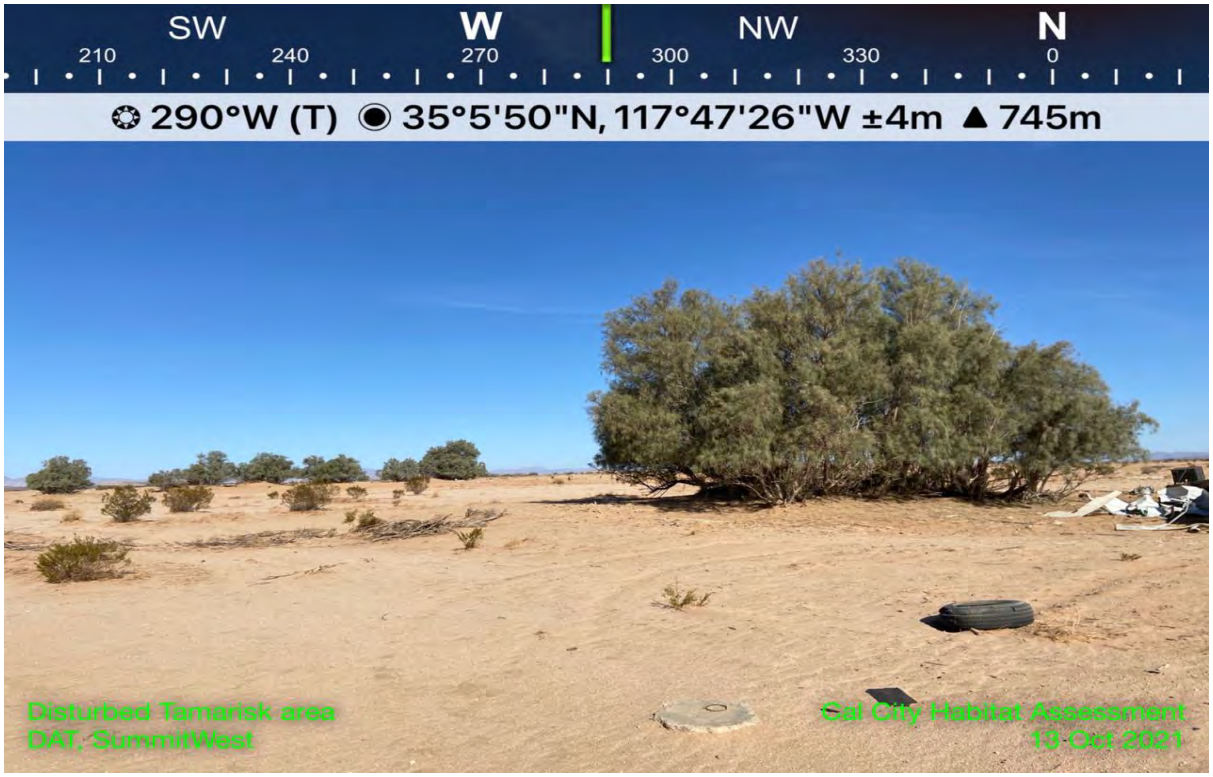
Photograph 1. Medium- to high-quality habitat for Mohave ground squirrel, LeConte's thrasher, and loggerhead shrike (Habitat Assessment Surveys).



Photograph 2. Medium- to high-quality habitat for California horned lark (Habitat Assessment Surveys).

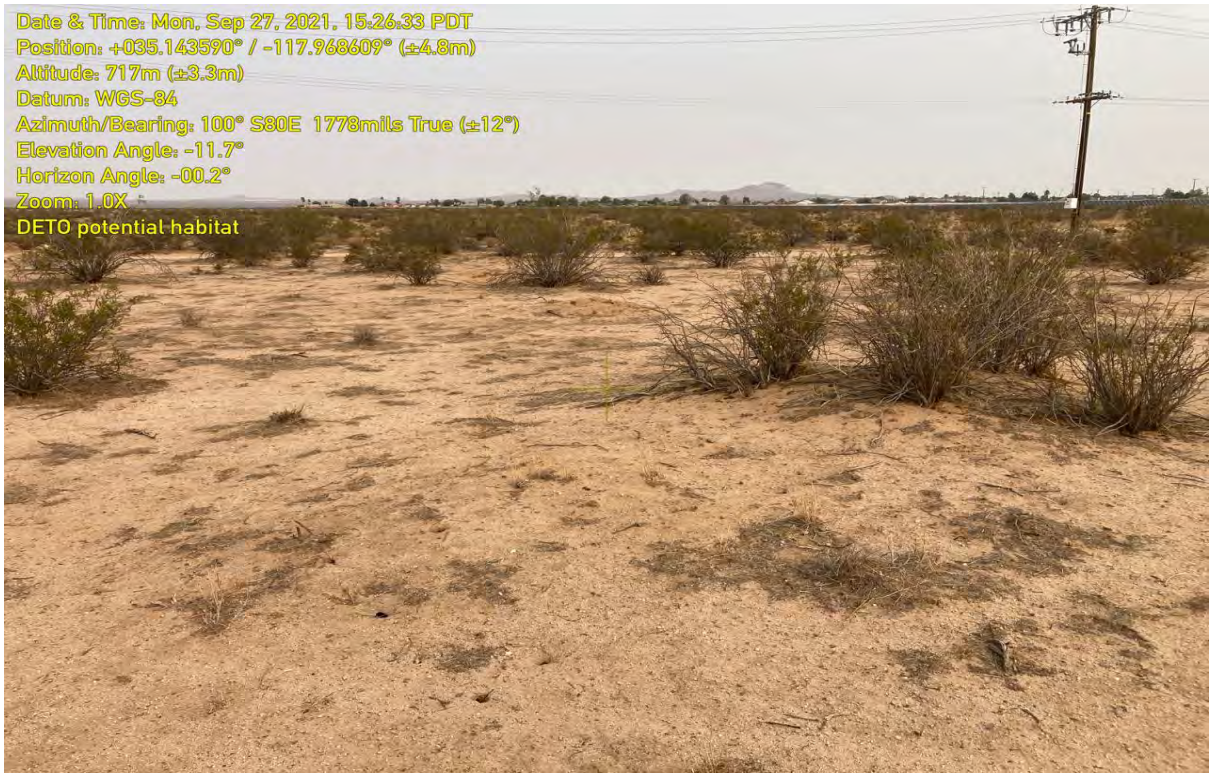


Photograph 3. Unsuitable habitat for special status wildlife species (Habitat Assessment Surveys).



Photograph 4. Medium- to high-quality habitat for burrowing owl and California horned lark, and low suitability for Mojave desert tortoise (Habitat Assessment Surveys).

Photograph 5. Medium- to high-quality habitat for American badger (Habitat Assessment Surveys).



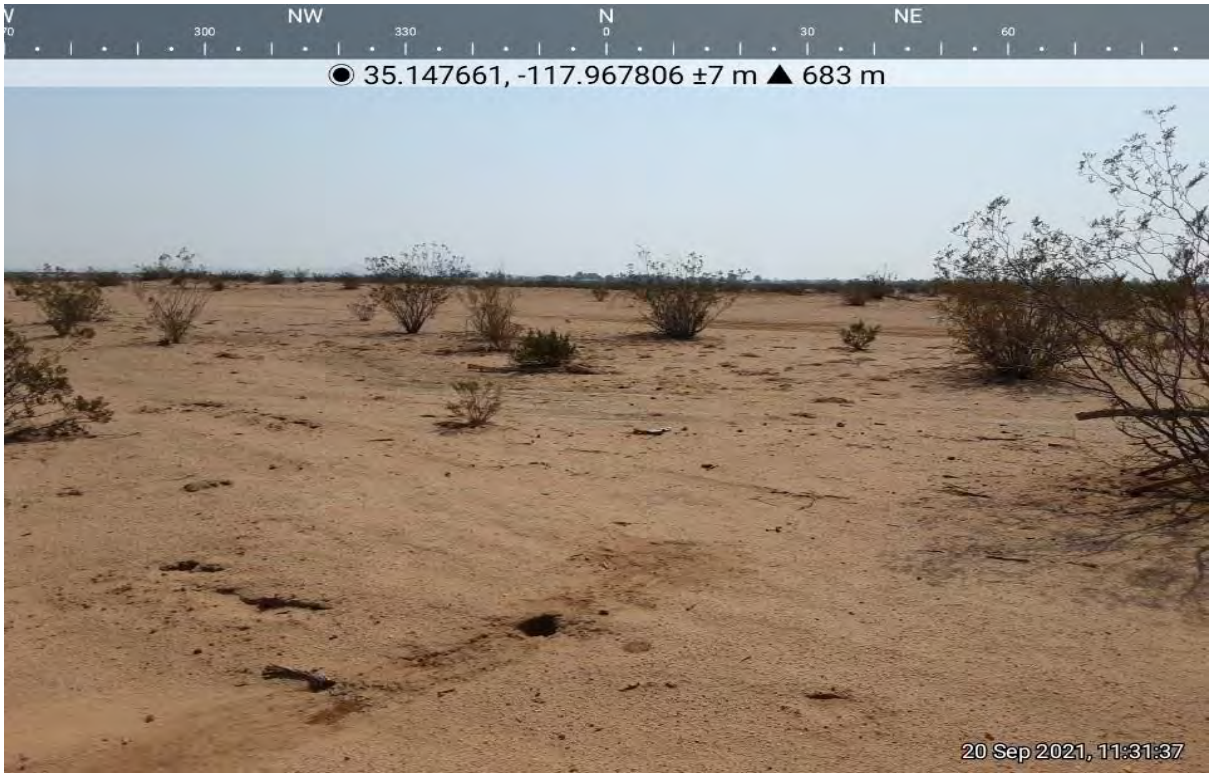
Photograph 6. Medium- to high-quality habitat for Mojave desert tortoise (Habitat Assessment Surveys).

Photograph 7. Medium- to high-quality habitat for Mohave ground squirrel (Habitat Assessment Surveys).

Photograph 8. Medium- to high-quality habitat for burrowing owl (Habitat Assessment Surveys).

Photograph 9. Medium- to high-quality habitat for loggerhead shrike (Habitat Assessment Surveys).

Photograph 10. Representative photograph of cheesebush-sweetbush scrub vegetation community (Vegetation Community Mapping Surveys).



Photograph 11. Representative photograph of creosote bush scrub vegetation community (Vegetation Community Mapping Surveys).

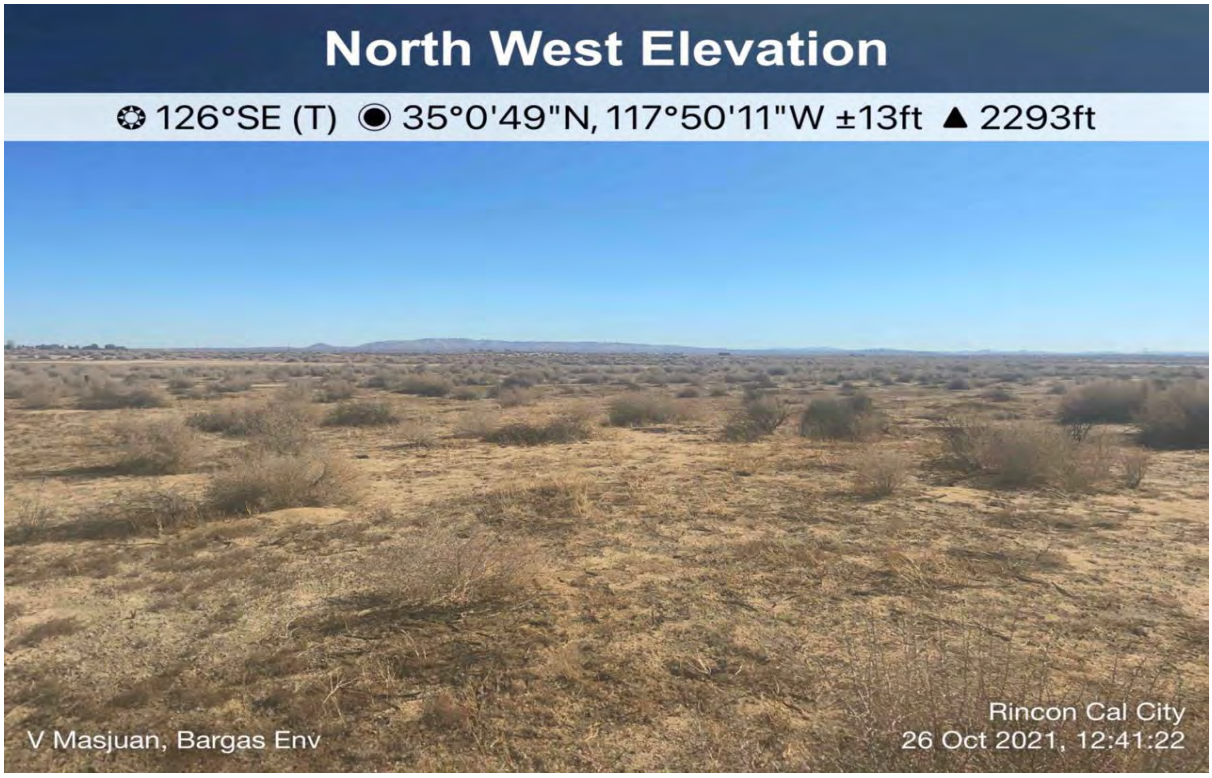
Photograph 12. Representative photo of creosote bush-white bursage scrub vegetation community (Vegetation Community Mapping Surveys).

Photograph 13. Representative photograph of allscale scrub vegetation community (Vegetation Community Mapping Surveys).

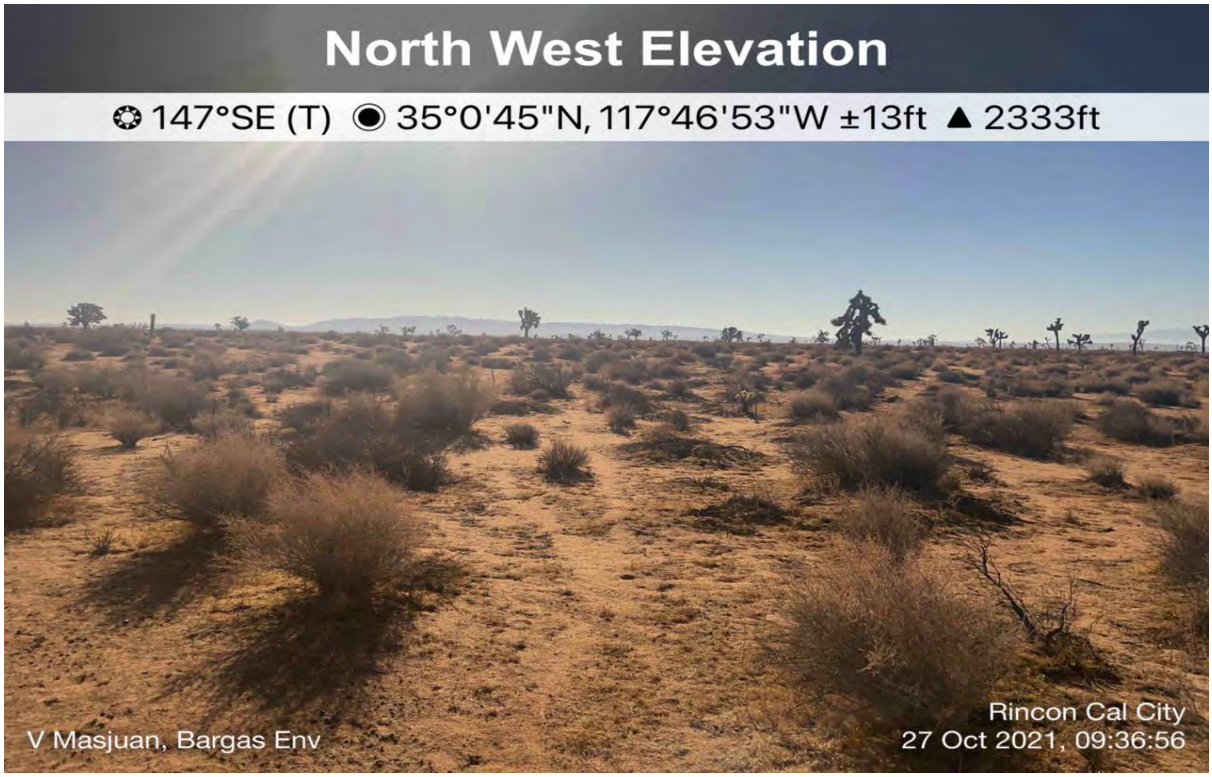
Photograph 14. Representative photo of shadscale scrub vegetation community (Vegetation Community Mapping Surveys).

Photograph 15. Representative photograph of California buckwheat scrub vegetation community (Vegetation Community Mapping Surveys).

Photograph 16. Representative photo of dry lake/mudflats/playa land cover type (Vegetation Community community Mapping Surveys).



Photograph 17. Representative photograph of spinescale scrub vegetation community (Vegetation Community Mapping Surveys).



Photograph 18. Representative photo of Joshua tree woodland vegetation community (Vegetation Community Mapping Surveys).

Photograph 19. Representative photograph of white bursage scrub vegetation community (Vegetation Community Mapping Surveys).

Photograph 20. Representative photo of winterfat scrubland vegetation community (Vegetation Community Mapping Surveys).

Photograph 21. Representative photograph of fourwing saltbush scrub vegetation community (Vegetation Community Mapping Surveys).

Photograph 22. Representative photo of developed land cover (Vegetation Community Mapping Surveys).

Photograph 23. Representative photograph of disturbed land cover (Vegetation Community Mapping Surveys).

Photograph 24. Representative photograph of Cache Creek, with the unvegetated streambed highly disturbed by vehicle use (Aquatic Resource Delineation).

Photograph 25. Representative photo of jurisdicitonal feature crossed by a dirt access road (Aquatic Resource Delineation).

Photograph 26. Representative photograph of jurisdictional feature in creosote bush scrub vegetation community (Aquatic Resource Delineation).

Photograph 27. Representative photo of jurisdicitonal feature in creosote bush scrub vegetation community (Aquatic Resource Delineation).

Photograph 28. Representative photograph of jurisdictional feature which is conveyed by culvert under a roadway (Aquatic Resource Delineation).

Photograph 29. Representative photo of unvegetated playa with surface cracking (Aquatic Resource Delineation).

Photograph 30. Representative photograph of non-jurisdictional manmade swale in creosote bush scrub vegetation community (Aquatic Resource Delineation).

Photograph 31. Representative photograph of non-jurisdictional erosional feature (Aquatic Resource Delineation).

Photograph 32. Representative photo of non-jurisdictional culvert with no associated jurisdictional feature (Aquatic Resource Delineation).

Appendix D

Floral and Faunal Compendium

Plants Species Observed in the Study Area

Scientific Name	Common Name	Status[1]	Native or Introduced[2]
Trees			
Chilopsis linearis ssp. *Arcuata*	desert willow	–	Native
Prosopis sp.	mesquite	–	Native
Yucca brevifolia var. *brevifolia*	western Joshua tree	SC Threatened	Native
Shrubs			
Acamptopappus sphaerocephalus	rayless goldenhead	–	Native
Ambrosia acanthicarpa	annual bursage	–	Native
Ambrosia dumosa	white bursage	–	Native
Ambrosia salsola	cheesebush	–	Native
Atriplex canescens	fourwing saltbush	–	Native
Atriplex confertifolia	shadscale	–	Native
Atriplex polycarpa	allscale	–	Native
Atriplex spinifera	spinescale	–	Native
Baccharis pilularis	coyotebrush	–	Native
Baccharis salicifolia ssp. *Salicifolia*	mulefat	–	Native
Cylindropuntia echinocarpa	golden cholla	–	Native
Encelia farinosa	brittlebush	–	Native
Ephedra nevadensis	Nevada ephedra	–	Native
Ericameria cooperi var. *cooperi*	Cooper's goldenbush	–	Native
Ericameria nauseosa var. *mohavensis*	Mojave rabbitbrush	–	Native
Eriastrum eremicum	desert wollystar	–	Native
Grayia spinosa	hop sage	–	Native
Krascheninnikovia lanata	winterfat	–	Native
Larrea tridentata	creosote bush	–	Native
Lepidospartum squamatum	scalebroom	–	Native
Lycium andersonii	Anderson's boxthorn	–	Native
Lycium cooperi	Cooper's boxthorn	–	Native
Scutellaria mexicana	Mexican bladdersage	–	Native
Tetradymia stenolepis	Mojave cottonthorn	–	Native
Tamarix aphylla	Athel tamarisk	–	Introduced. Invasive; Cal-IPC Limited
Herbs			
Croton setiger	turkey-mullein	–	Native
Distichlis spicata	saltgrass	–	Native
Eriogonum inflatum	desert trumpet	–	Native
Eriogonum sp.	buckwheat	–	Native
Erodium sp.	filaree	–	Introduced
Euphorbia albomarginata	rattlesnake sandmat	–	Native
Hirschfeldia incana	summer mustard	–	Introduced. Invasive; Cal-IPC Moderate

Scientific Name	Common Name	Status[1]	Native or Introduced[2]
Malva parviflora	cheeseweed	–	Introduced
Petalonyx thurberi	sandpaper plant	–	Native
Phacelia sp.	phacelia	–	Native
Salsola tragus	Russian thistle	–	Introduced. Invasive; Cal-IPC Limited
Salvia carduacea	thistle sage	–	Native
Stephanomeria pauciflora	wire lettuce	–	Native
Grasses			
Bromus rubens	red brome	–	Introduced. Invasive; Cal-IPC High
Bromus tectorum	cheat grass	–	Introduced. Invasive; Cal-IPC High
Schismus sp.	schismus	–	Introduced. Invasive; Cal-IPC Limited
Stipa sp.	needlegrass	–	Native

Sources:

CRPR: California Rare Plant Rank

Cal-IPC: California Invasive Plant Council

SC Endangered: State Candidate Endangered

[1] Listed on the Special Vascular Plants, Bryophytes, And Lichens List (April 2021) (CDFW 2021c).

[2] Jepson Flora Project 2021, 2022, and Cal-IPC 2021

Wildlife Species Observed in the Study Area

Scientific Name	Common Name
Birds	
*Accipiter cooperii**	Cooper's hawk
Aeronautes saxatalis	white-throated swift
Amphispiza bilineata	black-throated sparrow
Artemisiospiza belli	Bell's sparrow
Artemisiospiza nevadensis	sagebrush sparrow
*Athene cunicularia**	burrowing owl
Buteo jamaicensis	red-tailed hawk
Callipepla californica	California quail
Campylorhynchus brunneicapillus	cactus wren
Cathartes aura	turkey vulture
Chamaea fasciata	wrentit
Charadrius vociferus	killdeer
Chondestes grammacus	lark sparrow
Colaptes auratus	northern flicker
Corvus brachyrhynchos	American crow
Corvus corax	common raven
*Eremophila alpestris**	horned lark
Euphagus cyanocephalus	Brewer's blackbird
Falco sparverius	American kestrel
Haemorhous mexicanus	house finch
Junco hyemalis	dark-eyed junco
*Lanius ludovicianus**	loggerhead shrike
Larus delawarensis	ring-billed gull
Melozone crissalis	California towhee
Mimus polyglottos	northern mockingbird
Passer domesticus	house sparrow
Pipilo maculatus	spotted towhee
Piranga ludoviciana	western tanager
Polioptila melanura	black-tailed gnatcatcher
Regulus calendula	ruby-crowned kinglet
Sayornis saya	Say's phoebe
Setophaga coronata	yellow-rumped warbler
Spinus psaltria	lesser goldfinch
Streptopelia decaocto	Eurasian collared dove
Sturnella neglecta	western meadowlark
Sturnus vulgaris	European starling
Tachycinetaa bicolor	tree swallow
*Toxostoma lecontei**	LeConte's thrasher

Scientific Name	Common Name
Toxotstoma redivivum	California thrasher
Zenaida macroura	mourning dove
Zonotrichia leucophrys	white-crowned sparrow
Invertebrates	
Aphonopelma chalcodes	desert tarantula
Mammals	
Ammospermophilus leucurus	white-tailed antelope ground squirrel
Canis latrans	coyote
Dipodomys panamintinus	Panamint kangaroo rat
Lepus californicus	black-tailed jackrabbit
Lynx rufus	bobcat
Sylvilagus audubonii	desert cottontail
Reptiles	
Aspidoscelis tigris	Great Basin whiptail
Callisaurus draconoides	zebra-tailed lizard
Dipsosaurus dorsalis	desert iguana
Gambelia wislizenii	long-nosed leopard lizard
*Gopheruss agassizii**	Mojave desert tortoise
Phrynosoma platyrhinos calidiarum	desert horned lizard
Sceloporus sp.	spiny lizard
Uta stansburiana	common side-blotched lizard

* Indicates special status species

Appendix E

Special Status Species Evaluation Tables

Special Status Plant Species in the Regional Vicinity of the Project Site

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
Allium shevockii Spanish needle onion	G2/S2 1B.3 BLM S	Perennial bulbiferous herb found on soil pockets on rock outcrops and talus slopes in pinyon and juniper woodland and upper montane coniferous forest habitats at 2,800-8,200 feet above mean sea level (amsl). Blooms May-Jun.	**Does not occur.** Suitable pinyon and juniper woodland and upper montane coniferous forest are not present in the study area. No CNDDB occurrences have been recorded within 5 miles of the study area.
Androstephium breviflorum pink funnel lily	G4/S2? 2B.2	Perennial bulbiferous herb found in desert dunes, Mojavean desert scrub, and bajadas at 720-2,625 feet amsl. Blooms Mar-Apr.	**Occurs.** Suitable Mojavean desert scrub is present in the study area. One individual was observed in the study area during field surveys conducted in April 2022 by SummitWest. This species was also observed at two locations in the study area during field surveys conducted in April 2017 by BRC Equals 3.
Calochortus striatus alkali mariposa-lily	G3?/S2S3 1B.2 BLM S DRECP	Perennial bulbiferous herb found on alkaline meadows and ephemeral washes in chaparral, chenopod scrub, meadows and seeps, and Mojavean desert scrub habitats at 230-5,250 feet amsl. Blooms Apr-Jun.	**Does not occur.** Suitable Mojavean desert scrub, chenopod scrub, and ephemeral washes are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Camissonia kernensis ssp. *Kernensis* Kern County evening-primrose	G4T3/S3 4.3	Annual herb found on granitic, sometimes gravelly or sandy soils in chaparral, Joshua tree woodland, and pinyon and juniper woodland habitats at 2,592-6,988 feet amsl. Blooms Mar-May.	**Does not occur.** Suitable Joshua tree woodland is present, and granitic, gravelly, and sandy soils are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Canbya candida white pygmy-poppy	G3G4/S3S4 4.2	Annual herb found on gravelly, sandy, granitic soils in Joshua tree woodland, Mojavean desert scrub, and pinyon and juniper woodland at 1,970-4,790 feet amsl. Blooms Mar-Jun.	**Does not occur.** Suitable Joshua tree woodland and Mojavean desert scrub are present, and gravelly, sandy, and granitic soils are present in the study area. However, the only CNDDB occurrence within 5 miles of the study area is from 1935.
Chorizanthe spinosa Mojave spineflower	G4/S4 4.2	Annual herb found on alkaline soils in chenopod scrub, Joshua tree woodland, Mojavean desert scrub, and playa habitats at 20-4,265 feet amsl. Blooms Mar-Jul.	**Occurs.** Suitable chenopod scrub, Joshua tree woodland, Mojavean desert scrub, and playas are present, and alkaline soils are present in the study area. Several populations and individual plants were observed in the study area during field surveys conducted in March through April 2022 by SummitWest.
Cryptantha clokeyi Clokey's cryptantha	G3/S3 1B.2	Annual herb found on sandy or gravelly soils in Mojavean desert scrub habitats at 2,378-4,478 feet amsl. Blooms Apr.	**Does not occur.** Mojavean desert scrub is present, and sandy and gravelly soils are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
Cymopterus deserticola desert cymopterus	G2/S2 1B.2 BLM S DRECP	Perennial herb found on fine to coarse, loose, sandy soil of flats in old dune areas with well-drained sand in Joshua tree woodland and Mojavean desert scrub habitats at 2,066-4,900 feet amsl. Blooms Mar-May.	**Occurs.** Suitable Joshua tree woodland and Mojavean desert scrub are present in the study area, and sandy soils are present. This species was observed at several locations in the study area during field surveys conducted in April 2017 by BRC Equals 3. Multiple CNDDB occurrences have been recorded within 5 miles of the study area, including two from 2009 which overlap the study area.
Deinandra arida Red Rock tarplant	SR G1/S1 1B.2	Annual herb found on volcanic tuff and dry to moist sites where water has collected along ephemeral streams or road edges in Mojavean desert scrub habitats at 985-3,100 feet amsl. Blooms Apr-Nov.	**Does not occur.** Suitable Mojavean desert scrub, ephemeral streams, and road edges are present in the study area, though volcanic tuff is not present. No CNDDB occurrences have been recorded within 5 miles of the study area.
Deinandra mohavensis Mojave tarplant	SE G2/S3 1B.3 BLM S DRECP	Annual herb found on low sand bars in riverbeds, mostly in riparian areas or ephemeral grassy areas in chaparral, coastal scrub and riparian scrub habitats at 2,100-2,250 feet amsl. Blooms (Jan-May) Jun-Oct.	**Does not occur.** Suitable ephemeral riparian areas are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Delphinium recurvatum recurved larkspur	G2?/S2? 1B.2 BLM S	Perennial herb found on alkaline soils in chenopod scrub, cismontane woodland, and valley and foothill grassland habitats at 10-2,600 feet amsl. Blooms Mar-Jun.	**Unlikely.** Suitable chenopod scrub is present and alkaline soils are present in the study area. The only CNDDB occurrence within 5 miles of the study area overlaps the study area, but it is from 1952.
Dudleya abramsii ssp. *calcicola* limestone dudleya	G4T4/S4 4.3	Perennial herb found on rocky limestone places in chaparral and pinyon and juniper woodland habitats at 1,640-8,530 feet amsl. Blooms Apr-Aug.	**Absent.** No chaparral or pinyon and juniper woodland habitats are present in the study area. No CNDDB occurrences have been recorded within 5 miles of the study area.
Eremothera boothii ssp. *boothii* Booth's evening-primrose	G5T4/S3 2B.3	Annual herb found in Joshua tree woodland and pinyon and juniper woodland habitats at 2,674-7,874 feet amsl. Blooms Apr-Sep.	**Does not occur.** Suitable Joshua tree woodland habitat is present in the study area. However, the study area is outside the geographic range of this subspecies as described in Baldwin et al. (2012). The only CNDDB occurrence located within 5 miles of the study area is from 1988 and mapped as a best guess.
Eriophyllum mohavense Barstow woolly sunflower	G2/S2 1B.2 BLM S DRECP	Annual herb found in open silty or sandy areas, barren ridges, or margins of playas in chenopod scrub, Mojavean desert scrub and playa habitats at 1,640-3,150 feet amsl. Blooms Mar-May.	**Likely.** Suitable chenopod scrub, Mojavean desert scrub, and playas are present in the study area. Open areas with silty and sandy soils are present. Multiple CNDDB occurrences have been recorded within 5 miles of the study area, including one occurrence from 2017 which is located approximately 0.5 mile east of the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
Erythranthe rhodopetra Red Rock Canyon monkeyflower	G1/S1 1B.1 BLM S	Annual herb found on sandy soils in washes derived from sedimentary rock of the Ricardo formation in Mojavean desert scrub habitat at 2,000-3,000 feet amsl. Blooms Mar-Apr.	**Does not occur.** Suitable Mojavean desert scrub and sandy soils are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Eschscholzia minutiflora ssp. *twisselmannii* Red Rock poppy	G5T2/S2 1B.2 BLM S	Annual herb found on volcanic tuff in Mojavean desert scrub habitat with *Larrea*, *Lycium*, *Eriogonum*, *Isomeris*, and *Hemizonia* at 2,230-4,040 feet amsl. Blooms Mar-May.	**Unlikely.** Suitable Mojavean desert scrub is present in the study area. This species was observed approximately 4.5 miles north of the study area during field surveys conducted in April 2017 by BRC Equals 3. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Euphorbia vallis-mortae Death Valley sandmat	G3/S3 4.2	Perennial herb found on sandy or gravelly sites in Mojavean desert scrub habitat at 755-4,790 feet amsl. Blooms May-Oct.	**Does not occur.** Suitable Mojavean desert scrub is present, and sandy and gravelly soils are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Goodmania luteola golden goodmania	G3/S3 4.2	Annual herb found on alkaline or clay soils in meadows and seeps, Mojavean desert scrub, playas, and valley and foothill grassland habitats at 65-7,200 feet amsl. Blooms Apr-Aug.	**Does not occur.** Suitable Mojavean desert scrub, and playas are present, and alkaline and clay soils are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Hecastocleis shockleyi prickle-leaf	G4/S4 3	Perennial shrub found on rocky slopes and washes, often on carbonate or slate in chenopod scrub and Mojavean desert scrub habitats at 3,937-7,217 feet amsl. Blooms May-Jul.	**Does not occur.** Suitable chenopod scrub and Mojavean desert scrub habitats are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Layia heterotricha pale-yellow layia	G2/S2 1B.1 BLM S	Annual herb found on alkaline or clay soils in open areas in cismontane woodland, coastal scrub, pinyon and juniper woodland, and valley and foothill grassland habitats at 984-5,594 feet amsl. Blooms Mar-Jun.	**Does not occur.** No suitable cismontane woodland, coastal scrub, pinyon and juniper woodland, or valley and foothill grassland habitats are present, though suitable alkaline and clay soils are present in the study area. No CNDDB occurrences have been recorded within 5 miles of the study area.
Loeflingia squarrosa var. *artemisiarum* sagebrush loeflingia	G5T3/S2 2B.2 BLM S	Annual herb found on sandy flats and dunes and sandy areas around clay slicks with *Sarcobatus*, *Atriplex*, and *Tetradymia* in desert dunes, Great Basin scrub, and Sonoran desert scrub habitats at 2,297-5,300 feet amsl. Blooms Apr-May.	**Unlikely.** Suitable desert dune habitats are present in the study area. Sandy and clay soils and *Atriplex* spp. Are also present. One CNDDB occurrence from 2006 is located approximately 2.5 miles from the study area.
Mentzelia eremophila solitary blazing star	G4/S3S4 4.2	Annual or perennial herb found in Mojavean desert scrub habitat at 2,300-4,000 feet amsl. Blooms Mar-May.	**Does not occur.** Suitable Mojavean desert scrub habitat is present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
Mentzelia tridentata creamy blazing star	G3/S3 1B.3	Annual herb found in Mojavean desert scrub habitat at 2,300-3,850 feet amsl. Blooms Mar-May.	**Does not occur.** Suitable Mojavean desert scrub habitat is present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Muilla coronata crowned muilla	G3/S3 4.2	Perennial bulbiferous herb found on barren flats and ridges in sandy, granitic soils in chenopod scrub, Joshua tree woodland, Mojavean desert scrub, and pinyon and juniper woodland habitats at 2,200-6,430 feet amsl. Blooms Mar-Apr (May).	**Does not occur.** Suitable chenopod scrub, Joshua tree woodland, and Mojavean desert scrub habitats are present, and sandy, granitic soils are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Nemacladus gracilis slender nemacladus	G4/S4 4.3	Annual herb found on sandy or gravelly places in cismontane woodland and valley and foothill grassland habitats at 394-6,234 feet amsl. Blooms Mar-May.	**Does not occur.** No suitable cismontane woodland or valley and foothill grassland habitats are present, though sandy and gravelly soils are present in the study area. No CNDDB occurrences have been recorded within 5 miles of the study area.
Pediomelum castoreum Beaver Dam breadroot	G3/S2 1B.2 BLM S	Perennial herb found on sandy soils in washes and roadcuts in Joshua tree woodland and Mojavean desert scrub habitats at 2,000-5,000 feet amsl. Blooms Apr-May.	**Does not occur.** Suitable Joshua tree woodland and Mojavean desert scrub habitats are present, and sandy soils are present in the study area. However, the only CNDDB occurrence recorded within 5 miles of the study area is an undated observation from before 1996, exact location unknown.
Phacelia nashiana Charlotte's phacelia	G3/S3 1B.2 BLM S	Annual herb found on granitic soils and sandy or rocky areas on steep slopes or flats in Joshua tree woodland, Mojavean desert scrub, and pinyon and juniper woodland habitats at 1,970-7,220 feet amsl. Blooms Mar-Jun.	**Does not occur.** Suitable Joshua tree woodland and Mojavean desert scrub habitats are present, and granitic, sandy, and rocky soils are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Sclerocactus polyancistrus Mojave fish-hook cactus	G3/S3 4.2	Perennial shrub found on well-drained soil, sometimes on limestone, on rocky, gravelly mesas, slopes, and outcrops in Great Basin scrub, Joshua tree woodland, and Mojavean desert scrub habitats at 2,100-7,612 feet amsl. Blooms Apr-Jul.	**Does not occur.** Suitable Joshua tree woodland and Mojavean desert scrub habitats are present, and rocky, gravelly soils are present in the study area. However, no CNDDB occurrences have been recorded within 5 miles of the study area.
Senna covesii Cove's cassia	G5/S3 2B.2	Perennial herb found on dry, sandy desert washes and slopes in Sonoran desert scrub habitat at 738-4,250 feet amsl. Blooms Mar-Jun (Aug).	**Does not occur.** No suitable Sonoran desert scrub habitat is present in the study area, though dry, sandy desert washes are present in the study area. The only CNDDB occurrence recorded within 5 miles of the study area is a 2013 occurrence which overlaps the study area and is believed to consist of transplants outside the native range. The study area is outside the known range of this species

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
Yucca brevifolia var. *brevifolia* western Joshua tree	SC Threatened	Perennial tree found on fine, loose, well-drained or gravelly silts, loams, and sands in sagebrush scrub, desert scrub, southwestern shrubsteppe, pinyon and juniper woodland, and desert grassland habitats in hot, dry sites on flats, mesas, bajadas, and gentle slopes in the Mojave Desert at 1,600-6,600 feet amsl. Blooms Mar-Jun.	**Occurs.** This species was observed in several locations in the study area during field surveys conducted in October 2021 by Bargas and during surveys conducted in March through April 2022 and October 2022 by SummitWest.

Regional Vicinity refers to within a five-mile search radius of the study area.

CRPR (CNPS California Rare Plant Rank)

1A = Presumed extirpated in California, and rare or extinct elsewhere
1B = Rare, Threatened, or Endangered in California and elsewhere
2A = Presumed extirpated in California, but common elsewhere
2B= Rare, Threatened, or Endangered in California, but more common elsewhere
3 = Need more information (Review List)
4 = Limited Distribution (Watch List)

CRPR Threat Code Extension

.1 = Seriously endangered in California (>80% of occurrences threatened/high degree and immediacy of threat)
.2 = Moderately threatened in California (20-80% of occurrences threatened/ moderate degree and immediacy of threat)
.3 = Not very endangered in California (<20% of occurrences threatened/ low degree and immediacy of threat)

Status (Federal/State)

SE = State Endangered
SC = State Candidate
SR = State Rare
BLM S = BLM Sensitive Species

Other Statuses

G1 or S1 Critically Imperiled Globally or Subnationally (state)
G2 or S2 Imperiled Globally or Subnationally (state)
G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)
G4/5 or S4/5 Apparently secure, common and abundant

Status (Regional)

DRECP = Desert Renewable Energy Conservation Plan Focus Species

[1] **Definitions Regarding Potential for Occurrence**

Occurs = The species and/or positive sign was observed on-site during site visit or field survey.
Absent = The species and/or positive sign was not observed on-site during focused survey(s) during the appropriate blooming/activity period (and, for plants, observed at a reference population).
Likely = All site features indicate this species is very likely present and should be expected. Criteria include:
- Project site within geographic range;
- Suitable habitat present (e.g., soils, vegetation communities, elevation, roost sites, leaf litter/debris, water, host plants, etc.); and
- Distance to historical record(s) less than 25 years old is/are less than 500 feet (plants/fish), 1,000 feet (riparian wildlife), 1 mile (birds/bats), 2 miles (large mammals), or 3 miles (small mammals/herps).

Unlikely = The species could occur given presence of marginal habitat, but records of the species are not locally known or are greater than 25 years old.
Does Not Occur = The species would not occur because the project site is outside known or current geographic/elevation range, lacks habitat or suitable conditions, and/or there is reasonable certainty to assume absence based on historical records.

Source: CNPS 2021a, 2022a; CDFW 2021a, 2022a

Special Status Wildlife Species in the Regional Vicinity of the Project Site

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur[1]
Reptiles			
Gopherus agassizii Mojave desert tortoise	FT ST DRECP	Widely distributed in the Mojave, Sonoran, and Colorado Deserts from below sea level to 2,200 meters (7,220 feet). Most common in desert scrub, desert wash, and Joshua tree habitats, but occurs in almost every desert habitat except those on the most precipitous slopes.	**Occurs:** Suitable habitat is present, and this species was observed in the study area. Two live tortoises, two carcasses, one Class 3 pallet, one Class 2 burrow, two Class 3 burrows, and two burrows of unknown class were observed in the study area during vegetation community mapping and habitat assessment surveys in October 2021. Eleven live tortoises, three carcasses, three pallets, five Class 1 burrows, two Class 2 burrows, six Class 3 burrows, three Class 4 burrows, two Class 5 burrows, and one burrow of unknown class were observed in the study area during rare plant surveys in March and April 2022. One live tortoise in a previously mapped burrow, one live tortoise in a newly mapped burrow, one Class 1 burrow, four Class 2 burrows (two with scat), one Class 3 burrow, and two Class 5 burrows were observed during aquatic resources and habitat assessment surveys in September and October 2022.
Birds			
Accipiter cooperii Cooper's hawk	WL	Inhabits woodlands, chiefly of open, interrupted, or marginal type. Nest sites are found mainly in riparian growths of deciduous trees, as in canyon bottoms on river floodplains; also, in live oaks.	**Occurs:** Suitable nesting habitat is absent from the study area; however, suitable foraging habitat is present. In addition, this species was observed during the October 2021 vegetation community mapping and habitat assessment surveys.
Agelaius tricolor tricolored blackbird	ST SSC BLM S DRECP BCC	A highly colonial species that is most numerous in the Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few kilometers of the nesting colony.	**Does Not Occur:** Suitable open water with protected nesting substrate is absent from the study area. In addition, the only CNDDB record within 5 miles of the study area from within 25 years states the population is possibly extirpated.
Aquila chrysaetos golden eagle	FP WL BLM S DRECP BCC	Found in rolling foothills, mountain areas, sage-juniper flats, and desert habitats. Cliff-walled canyons provide nesting habitat in most parts of range; also nests in large trees in open areas.	**Likely (Foraging); Does Not Occur (Nesting):** Suitable grassland and shrub foraging habitats are present in the study area. Transmission towers in the study area may provide marginal nesting habitat. Two historical golden eagle nests that were once active, but have been inactive since 2012, are present within 5 miles of the study area. Both nests were located on cliffs, which are absent from the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur[1]
Asio otus long-eared owl	SSC	Inhabits riparian bottomlands in tall willows and cottonwoods. Also inhabits belts of live oak trees paralleling stream courses. This species requires adjacent open land that is productive with mice. This species also requires the presence of old nests created by crows, hawks, or magpies for breeding.	**Does Not Occur:** The study area is outside of the known breeding range of this species and suitable tall willows, cottonwoods, and live oak trees are absent from the study area.
Athene cunicularia burrowing owl	SSC BLM S DRECP BCC	A yearlong resident of open, dry grassland and desert habitats, and in grass, forb, and open shrub stages of pinyon-juniper and ponderosa pine habitats. Subterranean nester and is dependent upon burrowing mammals, most notably the California ground squirrel. Formerly common in appropriate habitats throughout the state, excluding the humid northwest coastal forests and high mountains.	**Occurs**: Two non-breeding burrowing owls and five potentially active wintering burrowing owl burrows were observed in the study area during vegetation community mapping and habitat assessment surveys in October 2021. Three active burrows were observed in the study area during rare plant surveys in March 2022. Two inactive burrows were observed in the study area during habitat and aquatic resources surveys in September 2022. Suitable nesting, migration, and wintering habitats are present.
Charadrius montanus mountain plover	SSC BLM S DRECP BCC	Winter resident from September through March. Southern California range includes Imperial Valley, plowed fields of Los Angeles and western San Bernardino counties, and along the central Colorado River valley. Uses open grasslands, plowed fields with little vegetation, and open sagebrush areas.	**Unlikely:** Migration and wintering habitat is present, and the study area is in the known winter range of this species. However, the nearest CNDDB record from within the past 25 years is approximately 10 miles northwest of the study area.
Charadrius nivosus western snowy plover	FT SSC BCC	Inhabits sandy beaches, salt pond levees, and shores of large alkali lakes. Requires sandy, gravelly, or friable soils for nesting.	**Does Not Occur:** Suitable habitat is absent and the study area is outside of the known range of this species.
Eremophila alpestris actia California horned lark	WL	Resident of coastal regions, chiefly from Sonoma County to San Diego County. Also found in the main part of the San Joaquin Valley and east to the foothills. Inhabits short-grass prairies, bald hills, mountain meadows, open coastal plains, fallow grain fields, and alkali flats. Nests in hollows on the ground	**Occurs:** Suitable nesting habitat is present, and several observations of this species were recorded during vegetation community mapping and habitat assessment surveys in October 2021, outside of the breeding season.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur[1]
Falco mexicanus prairie falcon	WL BCC	Uncommon permanent resident that ranges from southeastern deserts, northwest throughout the Central Valley and along the inner Coast Ranges and Sierra Nevada. Distributed from annual grasslands to alpine meadows, but associated primarily with perennial grasslands, savannahs, rangeland, some agricultural fields, and desert scrub areas. Usually nests in a scrape on a sheltered ledge of a cliff overlooking a large, open area.	**Does Not Occur (Nesting); Occurs (Foraging):** Suitable nesting habitat is absent from the study area; however, suitable foraging habitat is present. Several observations of this species were recorded during vegetation community mapping and habitat assessment surveys in October 2021, outside of the breeding season. This species was also observed during rare plant surveys in April 2022, during the breeding season. One individual was observed during habitat assessment surveys in October 2022, outside the breeding season.
Gymnogyps californianus California condor	FE SE FP DRECP	Requires vast expanses of open savannah, grasslands, and foothill chaparral in mountain ranges of moderate altitude. Nesting sites are found in deep canyons containing clefts in the rocky walls. Forages up to 100 miles from the roost/nest.	**Does Not Occur:** The study area is outside of the known range of this species and there are no records within 5 miles of the study area.
Lanius ludovicianus loggerhead shrike	SSC	A common resident and winter visitor in lowlands and foothills throughout California. Nests in densely foliaged shrubs or trees.	**Occurs**: Suitable nesting habitat is present in the study area. In addition, several observations of this species were recorded during vegetation community mapping and habitat assessment surveys in October 2021, and September and October 2022, outside of the breeding season. This species was also observed during rare plant surveys in April 2022, during the breeding season.
Toxostoma crissale Crissal thrasher	SSC BLM S	Resident of southeastern deserts in desert riparian and desert wash habitats. Nests in dense vegetation along streams/washes. Preferred nesting substrate includes mesquite, screwbean mesquite, ironwood, catclaw, acacia, arrow weed, and willow.	**Does Not Occur:** The study area is outside of the known range of this species.
Toxostoma lecontei LeConte's thrasher	BCC	Desert resident; primarily of open desert wash, desert scrub, alkali desert scrub, and desert succulent scrub habitats. Commonly nests in a dense, spiny shrub or densely branched cactus in desert wash habitat, usually two to eight feet above ground.	**Occurs:** Suitable nesting habitat is present in the study area. In addition, several observations of this species were recorded during vegetation community mapping and habitat assessment surveys in October 2021, outside of the breeding season. This species was also observed during rare plant surveys in April 2022, during the breeding season.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur[1]
Vireo vicinior gray vireo	SSC BLM S BCC	Inhabits dry chaparral and chamise-dominated habitats in the mountains of the Mojave Desert. Also associated with juniper and *Artemisia* sp. This species forages, nests, and sings in areas formed by a continuous growth of twigs approximately 1 to 5 feet above the ground.	**Does Not Occur:** The study area is outside of the known range of this species.
Mammals			
Antrozous pallidus pallid bat	SSC BLM S DRECP WBWG H	Prefers rocky outcrops, cliffs, and crevices with access to open habitats for foraging. Day roosts are in caves, crevices, mines, and occasionally in hollow trees and buildings. Night roosts may be in more open sites, such as porches and open buildings. A wide variety of habitats are occupied, including grasslands, shrublands, woodlands, and forests from sea level up through mixed conifer forests.	**Does Not Occur:** Suitable caves, crevices, mines, and hollow trees for roosting are absent from the study area. In addition, the only two CNDDB observations from the region are over 25 years old and are not within 5 miles of the study area.
Corynorhinus townsendii Townsend's big-eared bat	SSC BLM S DRECP WBWG H	Resident of California in a wide variety of habitats. Most common in mesic sites. Roosts in the open, hanging from walls and ceilings. Extremely sensitive to human disturbance.	**Does Not Occur:** Suitable walls and ceilings for roosting are absent from the study area. In addition, the only two CNDDB observations from the region are over 25 years old and are not within 5 miles of the study area.
Euderma maculatum spotted bat	SSC BLM S WBWG H	Occupies a wide variety of habitats from arid deserts and grasslands through mixed conifer forests. Typically forages in open terrain, over water and along washes. Feeds almost entirely on moths. Roosts in rock crevices in cliffs or caves. Occasionally roosts in buildings.	**Does Not Occur:** Suitable rock crevices for roosting and water sources for foraging are absent from the study area. In addition, the only two CNDDB observations from the region are over 25 years old and are not within 5 miles of the study area.
Onychomys torridus tularensis Tulare grasshopper mouse	BLM S SSC	Inhabits hot, arid valleys and scrub deserts in the southern San Joaquin Valley. The species' diet is almost exclusively composed of arthropods and therefore an abundant supply of insects is required.	**Does Not Occur:** The study area is outside of the known range of this species and there are no records within 5 miles of the study area.
Taxidea taxus American badger	SSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats. Needs sufficient food, friable soils, and open, uncultivated ground. Preys on burrowing rodents and digs burrows.	**Likely:** Suitable habitat is present in the study area. In addition, there are three CNDDB records within 6 miles of the study area from the past 25 years.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur[1]
Xerospermophilus mohavensis Mohave ground squirrel	ST BLM S DRECP	Inhabits open desert scrub, alkali scrub, and Joshua tree woodland in the Mojave Desert. Prefers sandy to gravelly soils and avoids rocky areas. Uses burrows at the base of shrubs for cover and nesting.	**Likely:** Suitable habitat is present in the study area. In addition, there are multiple CNDDB records within 5 miles of the study area from the past 25 years. This species was not detected during protocol surveys conducted at the Cal City Substation in 2020 and 2021.[2]
Vulpes macrotis arsipus desert kit fox	CFGC	Inhabits open, level desert areas with loose-textured soils supporting scattered, shrubby vegetation with little human disturbance.	**Occurs**: One active kit fox den was observed in the study area during habitat assessment surveys in October 2021. Three active kit fox dens were observed in the study area during rare plant surveys in April 2022. One active and three inactive den complexes were observed in the study area during habitat and aquatic resources surveys in September and October 2022.

Regional Vicinity refers to within a 5-mile search radius of site.

Status (Federal/State)

FE = Federal Endangered
FT = Federal Threatened
SE = State Endangered
ST = State Threatened
SSC = CDFW Species of Special Concern
FP = CDFW Fully Protected
WL = CDFW Watch List
BLM S = BLM Sensitive Species
BCC= Birds of Conservation Concern
CFGC = California Fish and Game Code

Status (Regional)

DRECP – Desert Renewable Energy Conservation Plan Focus Species
WBWG H – Western Bat Working Group – High Priority

Definitions Regarding Potential for Occurrence[1]

Occurs = The species and/or positive sign was observed on-site during site visit or field survey.

Absent = The species and/or positive sign was not observed on-site during focused survey(s) during the appropriate blooming/activity period (and, for plants, observed at a reference population).

Likely = All site features indicate this species is very likely present and should be expected. Criteria include:

- Project site within geographic range;
- Suitable habitat present (e.g., soils, vegetation communities, elevation, roost sites, leaf litter/debris, water, host plants, etc.); and
- Distance to historical record(s) less than 25 years old is/are less than 500 feet (plants/fish), 1,000 feet (riparian wildlife), 1 mile (birds/bats), 2 miles (large mammals), or 3 miles (small mammals/herps).

Unlikely = The species could occur given presence of marginal habitat, but records of the species are not locally known or are greater than 25 years old.

Does Not Occur = The species would not occur because the project site is outside known or current geographic/elevation range, lacks habitat or suitable conditions, and/or there is reasonable certainty to assume absence based on historical records.

[1] Sources: eBird 2021; NatureServe 2021; USFWS 2021d.

[2] Chavka, K. 2021. Southern California Edison Mohave Ground Squirrel Protocol Survey Report. Prepared by Aardvark Biological Services, LLC for SCE. 13 pp.

Appendix F

Rare Plant Survey Report

Cal City Substation 115 kV Upgrade Project

Rare Plant Protocol Field Survey Report

prepared for

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December 2022

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Acronyms and Abbreviations

amsl	above mean sea level
BLM	Bureau of Land Management
BLM S	Bureau of Land Management Sensitive Species
BRTR	Biological Resources Technical Report
CDFW	California Department of Fish and Wildlife
CESA	California Endangered Species Act
CFGC	California Fish and Game Code
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CRPR	California Rare Plant Ranks
DRECP	Desert Renewable Energy Conservation Plan
EAFB	Edwards Air Force Base
FESA	Federal Endangered Species Act
FP	Fully Protected
GIS	Geographic Information System
kV	kilovolt
MVA	megavolt-ampere
MVAR	megavolt-ampere reactive
OPGW	optical ground wire
SCE	Southern California Edison
SSC	Species of Special Concern
SummitWest	SummitWest Environmental Inc.
U.S.	United States
U.S. 395	U.S. Route 395
WL	Watch List Species

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1 Introduction

This Rare Plant Protocol Field Survey Report was prepared by SummitWest Environmental Inc. (SummitWest) Consultants to assist Southern California Edison (SCE) with planning the proposed Cal City Substation 115 Kilovolt (kV) Upgrade Project (Proposed Project). The Proposed Project is located in Antelope Valley, north of the city of Lancaster in Kern County (Figure 1). The Proposed Project is in the Mojave Desert in eastern Kern County and northwestern San Bernardino County and traverses the incorporated City of California City and Edwards Air Force Base (EAFB). SCE has also identified one feasible alternative to a portion of the Proposed Project route alignment (Alternative). Land ownerships in the Proposed Project include federally owned lands managed by the Bureau of Land Management (BLM) and the Department of Defense, state owned lands managed by the California Department of Fish and Wildlife (CDFW), California City-owned lands, and privately owned lands.

This report includes an analysis of all rare plant survey data collected for the Proposed Project, the Alternative Project, and the existing Kramer-Holgate subtransmission line to support a separate SCE project. The analysis considers historical special status plant observations documented within the Proposed Project area within the last five years, as well as observations made by SummitWest botanists during surveys conducted between March 24-April 16, September 27-28, and October 26-28, 2022.

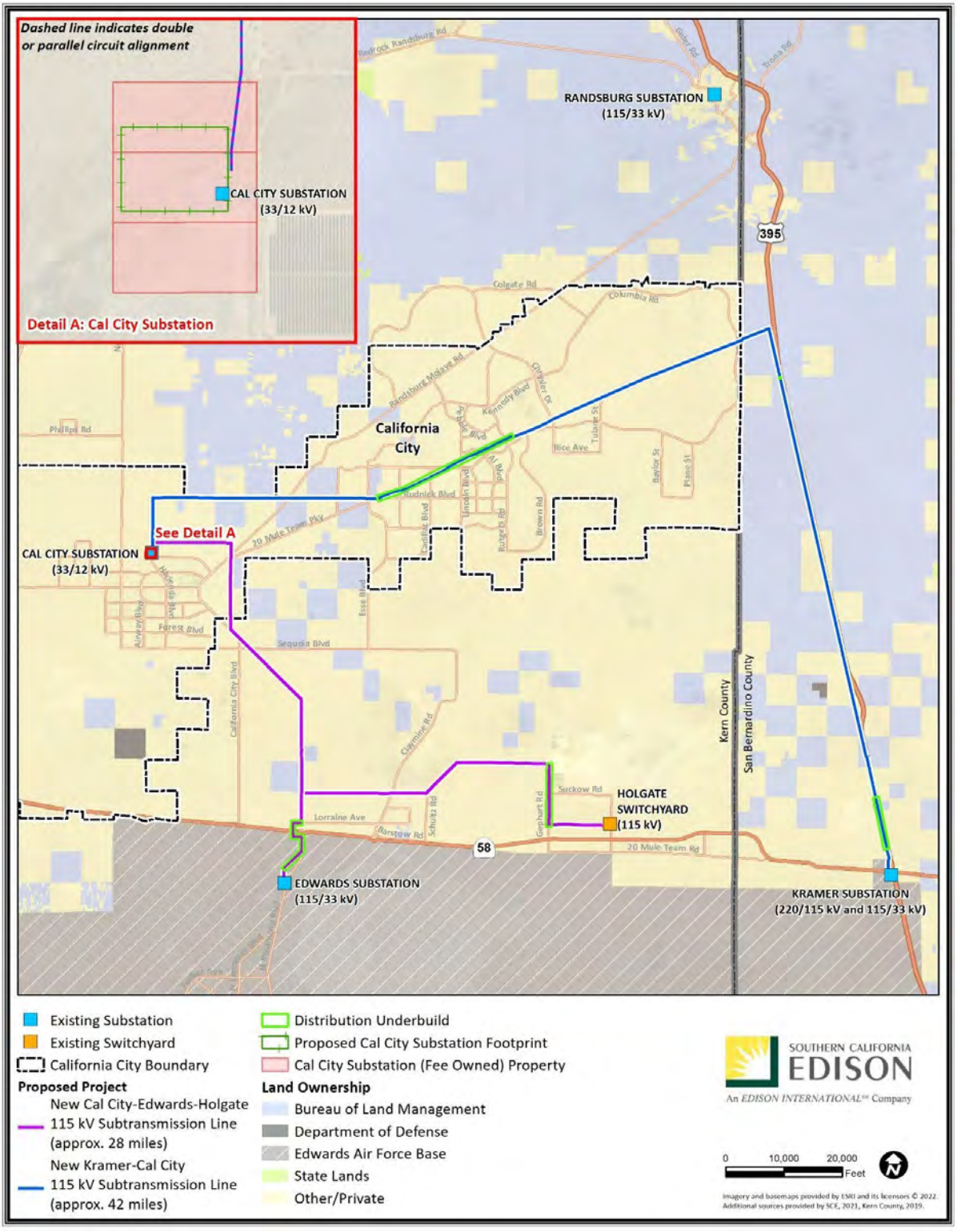
The surveys detected four out of the five rare plant species determined to occur or to likely occur in the survey area (Table 1): pink funnel lily (*Androstephium breviflorum*), desert cymopterus (*Cymopterus deserticola*), Mojave spineflower (*Chorizanthe spinosa*), and western Joshua tree (*Yucca brevifolia* var. *brevifolia*). Undetected, despite the presence of suitable habitat, was the Barstow woolly sunflower (*Eriophyllum mohavense*).

Table 1 List of target species[1]

Scientific Name	Common Name	Status	Native or Introduced
Androstephium breviflorum	Pink funnel lily	2B.2	Native
Chorizanthe spinosa	Mojave spineflower	4.2	Native
Cymopterus deserticola	Desert cymopterus	1B.2	Native
Eriophyllum mohavense	Barstow woolly sunflower	1B.2	Native
Yucca brevifolia var. *brevifolia*	Western Joshua tree	SCT	Native

[1] Species status designations and target species determination are derived from the Rincon / SCE "California City Special Status Plant Species Potential to Occur" list (see Appendix B, also included in the BRTR). For details on designation status, also see the BRTR, and the Regulatory Overview below.
SCT- State Candidate Threatened

Figure 1 Proposed Project Location



2 Project Overview

The Proposed Project consists of upgrades to SCE's existing Cal City Substation, located in the City of California City, as well as construction of two new 115 kV subtransmission lines to serve the upgraded substation. The Proposed Project is intended to serve current and long-term forecasted electrical demand for electricity and maintain electric system reliability in the Electrical Needs Area, which includes the City of California City and surrounding portions of unincorporated Kern County, as well as Edwards Substation.

The Proposed Project is planned to be operational by 2028 and would include the following major components:

Subtransmission

The Proposed Project would include the following subtransmission-related components:

- Construct one new Kramer-Cal City 115 kV Subtransmission Line (approximately 42 miles)
- Construct one new Cal City-Edwards-Holgate 115 kV Subtransmission Line (approximately 28 miles)

Substation

The Proposed Project would include the following substation-related components:

- Cal City Substation Improvements:
  - Expand the existing substation by approximately 10 acres
  - Install new five-position 115 kV switchrack with five positions initially equipped
  - Install new five-position 33 kV switchrack with five positions initially equipped
  - Install new 21-position 12 kV switchrack with 19 positions initially equipped
  - Install four 115 kV/12 kV, 28 MVA transformers
  - Install one 115 kV, 28.8 megavolt-ampere reactive (MVAR) capacitor
  - Install two 33 kV, 4.8 MVAR capacitors
  - Install four 12 kV, 4.8 MVAR capacitors
  - Install a new MEER with the associated communication, control and protection for the expanded substation
- Edwards Substation Improvements:
  - Equip one existing 115 kV line position
  - Expand existing 115 kV switchrack to a breaker-and-a-half configuration
  - Convert two 115 kV bank positions to a double bus, double breaker configuration
  - Install or upgrade protection for two 115 kV lines and two buses
- Holgate Switchyard Improvements:
  - Equip one existing 115 kV line position
  - Upgrade protection for four 115 kV lines and the north 115 kV bus
- Kramer Substation Improvements:

- Equip one existing 115 kV line position
- Convert two 115 kV bank positions to a double bus, double breaker configuration
- Install or upgrade protection for two 115 kV lines and two banks

Distribution

The Proposed Project would include the following distribution-related components:

- Construct two new underground 33 kV distribution getaways at Cal City Substation
- Construct 14 new underground 12 kV distribution getaways at Cal City Substation
- Transfer approximately 4.7 miles of existing Castle Butte 33 kV and approximately 1.7 miles of existing Isner 33 kV Distribution Lines to new Kramer-Cal City 115 kV Subtransmission Line structures and remove approximately 151 existing distribution structures along these line segments
- Transfer approximately 2.3 miles of existing Castle Butte 33 kV and approximately 2 miles of existing Conte 12 kV Distribution Lines to new Cal City-Edwards-Holgate 115 kV Subtransmission Line structures and remove approximately 90 existing distribution structures along these line segments

Telecommunication

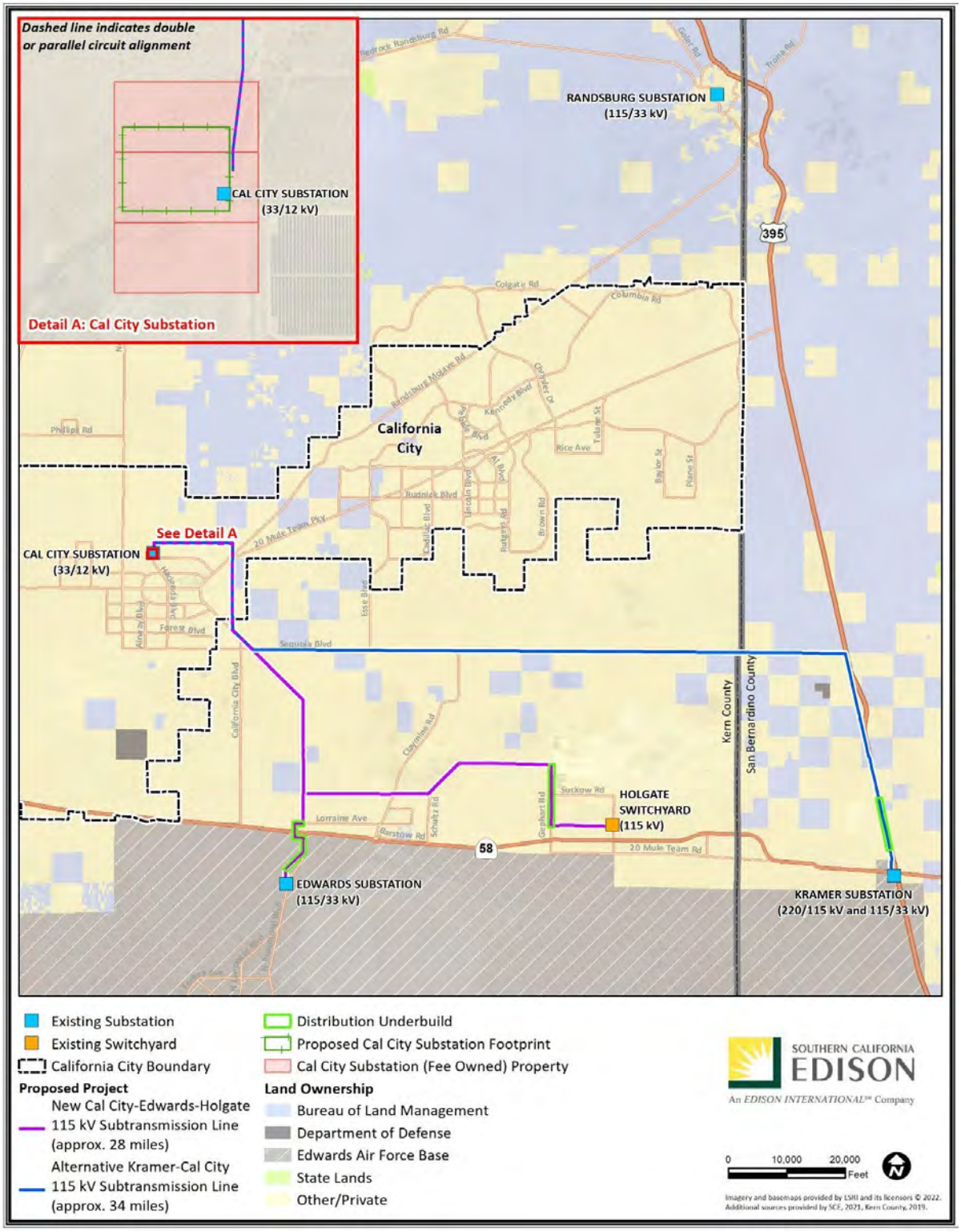
The Proposed Project would include the following telecommunication-related components:

- Install equipment to support substation automation and protection requirements at Cal City Substation
- Install optical ground wire (OPGW) on new Kramer-Cal City 115 kV Subtransmission Line (approximately 42 miles)
- Install OPGW on new Cal City-Edwards-Holgate 115 kV Subtransmission Line (approximately 28 miles)
- Install equipment at Kramer and Edwards Substations and Holgate Switchyard in support of the new OPGW

2.1 Project Alternative

SCE has identified one feasible alternative to a portion of the Proposed Project route alignment described above. Under this Project Alternative (Figure 2), the Cal City-Edwards-Holgate 115 kV Subtransmission Line would remain unchanged from the Proposed Project; however, the proposed Kramer-Cal City 115 kV Subtransmission Line would extend from Cal City Substation following the proposed Cal City-Edwards-Holgate line in a parallel or double circuit configuration for approximately seven miles before turning east along Sequoia Boulevard, an existing unpaved road, for approximately 19 miles. The alternative alignment for the Kramer-Cal City 115 kV Subtransmission Line would then continue south for approximately eight miles along U.S. 395 and connect to Kramer Substation, similar to the Proposed Project. Under the Project Alternative, the proposed Kramer-Cal City 115 kV Subtransmission Line would extend for approximately 34 miles, as compared to approximately 42 miles under the Proposed Project. All other components of the Proposed Project would remain the same for the Project Alternative.

Figure 2 Project Alternative Alignment



3 Project Location

The Proposed Project is located within unincorporated Kern and San Bernardino counties and the incorporated City of California City (Figure 1). The proposed approximately 42-mile Kramer-Cal City 115 kV Subtransmission Line would extend northeast from Cal City Substation and cross the county line into San Bernardino County before continuing south along the U.S. Route 395 (U.S. 395) and connecting to Kramer Substation. The proposed approximately 28-mile Cal City-Edwards-Holgate 115 kV Subtransmission Line would generally extend east and then south from Cal City Substation before turning east at Suckow Road to connect to Holgate Switchyard. The Cal City-Edwards-Holgate 115 kV Subtransmission Line would also include a tap line to serve Edwards Substation located on EAFB. The Edwards tap line would extend south from the intersection of Suckow Road and 140th Street for approximately three miles to connect to Edwards Substation.

In addition to the proposed 115 kV subtransmission lines described above, the Proposed Project includes a telecommunications scope that consists of telecommunications improvements at Holgate Switchyard, Cal City, Kramer, and Edwards Substations, as well as along both proposed new subtransmission lines.

The locations of the start and end of the Proposed Project subtransmission and telecommunications components described above are summarized in Table 2.

Table 2 Project Study Area Start and End Locations

Project Component	Approximate Start Coordinates (WGS84)	Approximate End Coordinates (WGS84)
New Kramer-Cal City 115 kV Subtransmission Line	34.99032224, -117.54365076	35.14289368, -117.96832962
New Cal City-Edwards-Holgate 115 kV Subtransmission Line[1]	35.01385181, -117.70839072	35.14289368, -117.96832962

[1]This line includes an approximately three-mile tap line serving Edwards Substation. The approximate start coordinates for the proposed Edwards tap line are 35.02830628, -117.88136771. The approximate end coordinates for the proposed Edwards tap line are 34.98499339, -117.89113969.

The proposed Kramer-Cal City 115 kV Subtransmission Line is depicted on the following United States Geological Survey (USGS) 7.5-minute topographic quadrangles: California City North, Galileo Hill, Boron NW, Boron NE, Saddleback Mountain, and Kramer Junction (USGS 2011). The proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line is depicted on the following USGS 7.5-minute topographic quadrangles: California City North, California City South, North Edwards, Edwards, and Boron (USGS 2011). The townships and ranges of each quadrangle are summarized in Table 3.

Table 3 7.5-Minute Topographical Quadrangle Locations

Project Component	USGS Quadrangle	Township and Range
New Kramer-Cal City 115 kV Subtransmission Line	California City North	32.0S37.0E, 32.0S38.0E
	Galileo Hill	31.0S39.0E, 32.0S38.0E
	Boron NW	31.0S39.0E, 31.0S41.0E
	Boron NE	31.0S41.0E, 32.0S41.0E
	Saddleback Mtn.	11.0N06.0W, 11.0N07.0W, 12.0N07.0W, 32.0S41.0E
	Kramer Junction	10.0N06.0W, 11.0N06.0W
New Cal City-Edwards-Holgate 115 kV Subtransmission Line	California City North	32.0S37.0E, 32.0S38.0E
	California City South	11.0N09.0W, 11.0N10.0W, 12.0N10.0W, 32.0S38.0E
	North Edwards	11.0N08.0W, 11.0N09.0W
	Edwards	10.0N10.0W, 11.0N09.0W
	Boron	11.0N08.0W

4 Regulatory Overview

Regulated or sensitive resources evaluated include special status plant species and their habitats. Regulatory authority over biological and aquatic resources is shared by Federal, State, and local agencies. A detailed regulatory background for the Proposed Project can be found in the 2022 *Cal City Sub Station 115kV Upgrade Project Draft Biological Resources Technical Report* (BRTR; see here for all references pertinent to regulatory agencies).

Plant taxa and incidental wildlife recorded during surveys was considered sensitive or special status if they were classified as one or more of the following:

- Species listed as threatened, endangered, or candidates for listing under the Federal Endangered Species Act (FESA)
- Species listed as rare, threatened, endangered, or candidates for listing under the California Endangered Species Act (CESA)
- Plants listed as rare or endangered under the California Native Plant Protection Act (California Fish and Game Code (CFGC, Section 1900 et seq.)
- Species designated as Fully Protected (FP), Species of Special Concern (SSC), or Watch List (WL) by CDFW
- Species designated as Sensitive by the BLM (BLM S)
- Planning and Focus species in the Desert Renewable Energy Conservation Plan (DRECP)
- Plants assigned a California Rare Plant Rank (CRPR) of 1 through 4 by the California Native Plant Society (CNPS)
- Species designated as locally important by the Local Agency (San Bernardino County, Kern County, and City of California City) and/or otherwise protected through ordinance or local policy.

5 Methods

5.1 Database Search and Literature Review

Target species and survey methodology for the Proposed Project were informed by a prior literature review conducted to obtain baseline project information and compile lists of special status plants that occur or potentially occur in the survey area. Potential occurrence was evaluated based on species' ranges, habitat preferences, occurrence records from the database queries of other SCE projects and the results of previous surveys conducted on the Proposed Project (see full details on this review in the BRTR).

Of the 30 special status plant species evaluated for potential to occur, three species were determined to occur in the Proposed Project: pink funnel lily, desert cymopterus, and Joshua tree. One species, Barstow woolly sunflower, was determined to likely occur. The remaining 26 special status plants were determined to be unlikely to occur or not to occur. The resulting list of Species with Potential to Occur in the Proposed Project (Appendix B) was used to generate our list of target rare or special status species that were likely to be encountered for this study (see Table 1 and below). The target species list was used as a guide for field botanists on what species to focus their knowledge and plant morphology research in preparation for the field surveys in addition to understanding the more common species that they may encounter.

Based on literature searches, database reviews, and field surveys, no federally listed plant species were determined to occur or to likely occur in the Proposed Project. One State listed plant species occurs in the Proposed Project (Joshua tree, State Candidate Threatened); no State listed plant species were determined to be likely to occur in the Proposed Project area. As a consequence, no other State listed plant species were targeted during the field surveys and desktop analysis.

5.2 Survey Methodology

The rare plant surveys were floristic in nature (i.e., all plants encountered were identified to the lowest taxonomic level necessary to determine rarity) and generally followed the CNPS Botanical Survey Guidelines (CNPS 2001) and the Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (CDFW 2018).

The rare plant habitat quality mapping was completed by assessing suitability for the five target species. No regulatory agency coordination or agency communication protocols were required for these surveys. The Proposed and Alternative Project alignments plus a 250-foot buffer on either side were surveyed March 24-April 16, September 27-28, and October 26-28, 2022. The surveys were performed by SummitWest lead botanists Marc Baker, Wendy Boes, and Karin Edwards. Lead botanists were supported by SummitWest botanists Kristina Baker, Lisa Foster, Katelyn Hammel, Christian Hicks, Allison Johnson, Sepanta Jozani, Sam Kille, Samantha Love, Cynthia Martinson, Alexiana Pou, Thomas Shields, Jacon Sloboda, Vincent Spadone, David Tafoya, Samuel Toth, Brian Weller, Katja Whithman. Data were collected via hand-held, sub-meter, global positioning system units, photographs, and Survey123 daily reports.

5.2.1 Reference Site Check

SummitWest lead botanist Marc Baker and support botanists Brian Weller and Jacob Sloboda, performed three separate preemptive visitations of reference sites (Table 4) with known populations of target species and higher habitat quality (March 8, 13, 17, 2022). These visits confirmed the timing of desert species blooming periods and enabled the survey team to optimize species detection. The only rare plant detected during the reference site checks was *Eriophylum mohavense* (March 17th) but other desert plant species similar in phenology to our target list of species were observed in bloom.

Table 4 Reference Site Descriptions

Plant	Location / Elevation	Previous Occurrence Records and Source
Eriophyllum mohavense #1	East of Mojave, CA 35.0649 x -118.0555 2,570-ft	2016. Hyundai test track site, about 3.5 air miles northeast of Sanborn Hill, southwest of California City. Many colonies mapped mostly in a large portion of section 9 and the western half of section 16. 500+ plants observed in 6 "pools" in 2003. 214,280 plants seen throughout occurrence in 2005 by Laberteaux. 122,772 plants seen throughout occurrence in 2015 by Laberteaux (Sighting years and site details retrieved from California Natural Diversity Database [NDDB;CDFW 2021]).
Eriophyllum mohavense #2	Kramer Junction 35.00972 x -117.56278 2,480-ft	1987. Low hill in sandy-clay soil, very gentle slopes. Open areas in saltbush scrub, with *Atriplex spinifera* dominant. Other annuals in vicinity: *Schismus arabicus, Erodium cicutarium, Lepidium flavum, Malacothrix glabrata*, etc. Approximately 1,700 individuals counted, scattered in patches; in flower. Yellow (Sighting years and site details retrieved from Consortium of California Herbaria Portal 2 [CCH2; CCH2 2022]).
Eriophyllum mohavense #3	Kramer Junction, CA 35.0129862 x -117.5748252 WGS84, 2,495-ft	1987. 2.5 miles northwest of Kramer Junction. On a very gentle SE-facing alluvial slope. Spiny saltbush scrub; dominated by *Atriplex spinifera* with scattered patches of annuals, most common are: *Schismus arabicus, Eriogonum trichopes,* and *Coreopsis calliopsidea.* Total number observed unknown (Sighting years and site details retrieved from CCHC2).
Cymopterus deserticola #1	Kramer Junction, CA 34.992 x -117.555 2,490-ft	2009. South of highway 58, 0.7 to 0.9 mile west of Kramer junction, NE of Edwards Air Force Base. Mapped as 3 polygons, based on 7 sets of GPS coordinates in close proximity to one another. Dominated by *Larrea tridentata, Atriplex confertifolia*, and *Atriplex polycarpa*. Associated with *Lomatium mohavense, Malacothrix glabrata, Lasthenia californica, Krascheninnikovia lanata*. Sandy soil with low density of vegetation 1-10 plants were observed at each of the 7 GPS points provided by Snider in 2009. (Sighting years and site details retrieved from CNDDB).
Cymopterus deserticola #2	Kramer Junction, CA 34.98583 x -117.57028 2,509-ft	2009. Habitat: Creosote bush scrub with a few *Yucca brevifolia* var. *brevifolia*. San Bernardino, gas line route north of Adelanto, c. 1.7 miles west of Kramer Junction Total number observed unknown. (Sighting years and site details retrieved from CCHC2).
Cymopterus deserticola #3	East of Mojave, CA 35.082222 x -117.818333 2,400-ft	1978. About 1.5 miles W on dirt road to fossil diggings off Claymine Road, Boron Dry Lake 17 miles east of Mojave. Associated with *Lycium andersonii, Mentzelia sp, Camissonia claviformis, Cryptantha dumetorum, C. pterocarya, Astragalus.* Total number observed unknown. (Sighting years and site details retrieved from CCHC2).

5.2.2 Rare Plant Surveys

Surveys were conducted by walking systematic transect lines at 50-foot spacing between botanists. Predetermined transects were visible as layers on in-hand GIS mapping units. For maps: reference Figure 1 and Figure 2, and Appendix D. Rare plants were mapped as point features, except in the case of multiple individuals of Mojave spineflower, in which they were mapped as polygons. Rare plant surveys occurred between March 24 and April 16, 2022 across the full, approximately 82-mile length of the Proposed Project alignment. The scope of work provided by Rincon did not include focused rare plant surveys but did include rare plant habitat mapping in the Project Alternative. However, botanists did record rare plants observed during the habitat mapping, the methods of which are described in Section 5.2.3, below. Access to the portion of the Proposed Project alignment that traversed through Edwards Airforce Base was approved and surveys were performed by Karin Edwards (lead botanist), and support botanists: Katelyn Hammel, David Tafoya, Vincent Spadone, and Brian Weller on April 7-8, 2022.

Lead botanists provided subject matter expertise to support botanists, ensuring all plant species were seen and identified.

5.2.3 Rare Plant Habitat Quality Mapping

Rare plant habitat quality mapping was conducted in the survey area for all herbaceous target species (*Androstephium breviflorum, Cymopterus deserticola, Eriophyllum mohavense, Chorizanthe spinosa*). Habitat data were collected for each species, recorded in GIS polygons, and ranked as "high" or "medium." Habitats were considered high quality if they possessed all or most environmental conditions (soil, topography, and cohabitating plants and wildlife) necessary to sustain the rare plant population under average weather conditions. Habitats that were ranked as medium displayed most of the environmental characteristics to sustain the rare plant population under average weather conditions, but may have been lacking one or multiple variables necessary for optimal plant survival; for example, human caused disturbance or non-optimal soil characteristics. Areas that did not provide potential habitat, such as developed areas, were not mapped.

Rare plant habitat quality was mapped in the field on both the Proposed Project and the Project Alternative on March 24-April 16, September 27-28, and October 26-28, 2022 (Appendix D). Additional rare plant habitat quality mapping was conducted via desktop analysis with Google Earth on November 8, 2022 in areas added to the original survey area (Google Earth 2022). Project Alternative alignment rare plant habitat mapping took the form of meandering transects with variable spacing (50-feet to 100-feet) that traversed the entirety of the project footprint and 250-foot buffers. Proposed Project alignment mapping was conducted with 50-feet linear transects and in conjunction with rare plant surveys.

6 Results

Rare plant surveys results from March 24 to April 16, 2022, and rare plant habitat quality mapping results from the March-April and September-October 2022, are summarized below. Historic observations of pink funnel lily and desert cymopterus documented during 2017 and 2021 surveys within the survey area are also included.

All plant species observed during the 2022 survey period are found in Appendix A. Results of rare plant habitat mapping, rare plant species point locations, and the locations of any desert tortoise (Appendix C, Photographs 13-14) incidentally encountered during the field surveys can be viewed in Appendix D.

6.1 Pink funnel lily, *Androstephium breviflorum*

Pink funnel lily is designated CRPR 2B.2 by CNPS. This species is native to the southwest and the Great Basin region and endemic to the United States (Flora of North America 2022). The pink funnel lily is a perennial bulbiferous herb found in open Mojavean desert scrub, desert dunes, and bajadas with sandy soils at elevations between 720 and 2,625 feet amsl. Some populations of pink funnel lily are threatened by habitat loss, including the threat of off-road vehicle recreation (Flora of North America, 2022). Pink funnel lily have been known to grow in alkaline areas, near disturbances, on sandy slopes with scattered rocks, and in deep sandy soils.

This species generally blooms in March and April. Pink funnel lily's diagnostic flowers, fruits, and stature are recognizable even after they have gone through seed dispersal. The lily is a perennial herb with a bulb that remains in the ground to reproduce during seasons with favorable conditions.

Species Occurrence and Habitat Quality in the Survey Area

Pink funnel lily was positively identified at two locations on the eastern side of the Proposed Project along U.S. 395 during field surveys conducted in April 2017 (see BRTR). The species was not observed during surveys conducted in fall of 2021 (see BRTR). On April 8th, 2022, botanists identified a flowering and seeding pink funnel lily located at 34.991287; -117.685855, along the existing Kramer-Holgate subtransmission line near 20 Mule Team Road (Appendix C, Photographs 4-5). No other occurrences were definitively observed, although there were numerous bulbed plants belonging to either the genus: *Dichelostemma* or *Androstephium* (vegetative only) throughout the Proposed Project that were unable to be identified to species, due to lack of flowers or seeds (plants were dried and withered).

Habitat for pink funnel lily was high quality through much of the survey area based on soil and plant communities (Appendix C, Photograph 6). High quality habitat included open desert scrub with dry sandy areas to rocky soils. Low quality habitat largely occurred in highly disturbed areas or areas with increased rock cover and coarse rocky soils without sandy soils between rocks. The highest quality habitat occurred in the southern portion of the Proposed Project along the survey area paralleling Mojave Barstow Highway, in the northwest corner to the north of City of California City, and along the Project Alternative alignment both to the east and west of the center (see Appendix D).

6.2 Desert cymopterus, *Cymopterus deserticola*

Desert cymopterus is designated CRPR 1B.2 by CNPS and is a BLM Sensitive species and a DRECP Focus Species. This species is endemic to the western Mojave Desert in California (Charlton 1993). Desert cymopterus is a perennial herb found on fine to coarse, loose, sandy soil of flats in old dune areas with well-drained sand. Suitable habitats include Joshua tree woodlands and Mojavean desert scrub habitats at elevations between 2,066 and 4,900 feet amsl. Desert cymopterus plants tolerate low moisture regimes, and are often found in creosote bush scrub and Joshua tree woodlands. Desert cymopterus individuals can survive as taproots underground when conditions are unfavorable and are not always visible aboveground. Populations of desert cymopterus are declining due to threats from human disturbance in the form of grazing, vehicles, urbanization, predation by native wildlife and off-road vehicle recreation (Charlton 1993). Desert cymopterus tends to bloom in March, April, and May and has diagnostic flowers, fruits, and growth form.

Species Occurrence and Habitat Quality in the Survey Area

Desert cymopterus was observed in several locations along the southern portion of the survey area during field surveys conducted in April 2017. This species was not observed during fall 2021 surveys. Botanists observed a single flowering desert cymopterus on April 5th, 2022 at 34.991412; -117.554771 (Appendix C, Photographs 1-3). This specimen was found within a Joshua tree and mixed shrubland vegetation community with loamy sand and scattered pebbles and was located near historic habitat polygons mapped for the species. No other desert cymopterus plants were observed in the 2022 field surveys. High quality desert cymopterus habitat including sandy and loamy soils in desert shrublands were prevalent across the survey area (see Appendix D).

6.3 Western Joshua tree, *Yucca brevifolia* var. *brevifolia*

Joshua tree, a perennial tree that is endemic to the United States, was designated as State Candidate Threatened in 2020. This species grows on fine, loose, well-drained or gravelly silts, loams, and sands in sagebrush scrub, desert scrub, southwestern shrub steppe, pinyon and juniper woodland, and desert grassland habitats. This species is generally found in hot, dry sites on flats, mesas, bajadas, and gentle slopes in the Mojave Desert at elevations between 1,600 and 6,600 feet amsl. Joshua tree is threatened by fire, drought, climate change, and numerous threats related to habitat loss including off road vehicle use (Cole et al. 2011).

Species Occurrence in the Survey Area

Multiple Joshua trees were observed in the southern portion of the survey area during the fall 2021 field surveys (Appendix C, Photographs 9-11). This species was identified in allscale scrub, creosote bush scrub, spinescale scrub, and Joshua tree woodland vegetation communities (Appendix D). During 2022 surveys, botanists corroborated 2021 field findings of previously mapped Joshua tree woodland alliances and recorded the location of Joshua tree individuals that were not captured during the previous year's survey. Fifteen Joshua trees were identified in the survey area that were not previously mapped and are included in Appendix D. Other regions of the survey area, for example along the western part of the Alternative Project alignment, could likely support Joshua trees, but populations may have been limited by historic disturbances.

6.4 Barstow woolly sunflower, *Eriophyllum mohavense*

Barstow woolly sunflower is designated CRPR 1B.2 by CNPS and is a BLM Sensitive species and a DRECP Focus Species. Barstow woolly sunflower is restricted to a portion of the western Mojave Desert in Kern and San Bernardino counties in California (CDFW 2021). This is an annual herb that is found in open, silty or sandy areas, barren ridges, or margins of playas in chenopod scrub, Mojavean desert scrub, and playa habitats. Its elevational range is between 1,640 and 3,150 feet amsl, and it generally blooms between March and May. This species is threatened by human activities in the desert, including development, grazing, off-road vehicle recreation, and mining (BLM 2013).

Species Occurrence and Habitat Quality in the Survey Area

Barstow woolly sunflower is likely to occur in the Proposed Project given the presence of suitable chenopod scrub, Mojavean desert scrub, and playas (Appendix C, Photograph 15-16) along with silty and sandy soils. Multiple CNDDB occurrences have been recorded within five miles of the survey area, including six occurrences from 2017 that overlap the survey area (but were not within the project footprint). This species was not observed during the 2022 field surveys. However, small pockets of high- and medium-quality habitat for Barstow woolly sunflower were designated and mapped throughout the Proposed and Alternative alignments (see Appendix D).

6.5 Mojave spineflower, *Chorizanthe spinosa*

Mojave spineflower (*Chorizanthe spinosa*) is designated as CRPR 4.2, defined as limited in distribution. Mojave spineflower is an annual herb that generally flowers from March through July and grows on sandy to gravelly flats and slopes, often in saltbush communities. The Mojave spineflower grows only in southern California, including southeastern Kern and northwestern San Bernardino counties, and also southern Inyo and northeastern Los Angeles counties. Mojave spineflower tolerates moderate salinity, low moisture regimes with 7-15 inches of annual precipitation, and has been found from 985 to 4,365 feet amsl.

Species Occurrence and Habitat Quality in the Survey Area

Mojave spineflower was not deemed likely to occur in the Proposed Project based on previous surveys and survey of habitat suitability data. However, twelve Mojave spineflower plants (Appendix C, Photograph 12) were found growing in finer soils with some clay and silt components and variable pebble cover forming the substrate (March 26th - April 13th 2022). These plants were located largely on the southern portion of the survey area and on both the Proposed Project and Alternative alignments. Plants typically were found growing on low-angle slopes. Some of the plants were located in areas where they were not anticipated to occur due to disturbances caused by OHV use. High and medium quality Mojave spineflower habitat (Appendix C, Photograph 17) were mapped to coincide with that of the Barstow woolly sunflower, given shared habitat needs (see Appendix D).

7 Discussion

Pink funnel lily, desert cymopterus, Western Joshua tree, and Mojave spineflower were all detected during the 2022 surveys of the rare plant survey area. For the Barstow woolly sunflower, suitable habitat conditions were detected during the 2022 rare plant surveys, but no specimens were observed in the survey area. Overall plant germination and growth was limited compared to typical years, likely due to the abnormally low rainfall experienced by Kern county in the winter of 2020 and the spring of 2021 seasons. Drought conditions may have reduced the detectability for the Barstow woolly sunflower, without impacting the long term potential to occur because this species' seeds survive seasonal dry spells and remain dormant below ground. Additionally, there is suitable habitat present within the Proposed Project for other rare plant species (e.g., alkali mariposa lily [*Calochortus striatus*] and white pygmy-poppy [*Canbya candida*]); however, these species would have been detectable during the surveys and were not observed. Overall plant germination and growth was limited compared to typical years, likely due to the abnormally low rainfall experienced by Kern county in the winter of 2020 and the spring of 2021 seasons.

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Appendix A

Floral Compendium

Scientific Name	Common Name	Status[1]	Native or Introduced[2]
Trees			
Populus fremontii subsp. fremontii	Alamo Or Fremont Cottonwood	–	Native
Tamarix aphylla	Athel tamarisk Athel	–	Not Native
Tamarix ramosissima	Saltcedar	–	Not Native
Shrubs			
Acamptopappus sphaerocephalus	Rayless goldenhead	–	Native
Ambrosia dumosa	Burro weed White Bur-Sage	–	Native
Atriplex canescens	Fourwing saltbush	–	Native
Atriplex confertifolia	Shadscale	–	Native
Atriplex polycarpa	Allscale saltbush	–	Native
Atriplex spinifera	Mojave saltbush Spiny Saltbush	–	Native
Baccharis sergiloides	Desert baccharis	–	Native
Cylindropuntia echinocarpa	Wiggins' cholla Silver Or Golden Cholla	–	Native
Echinocactus polycephalus var. polycephalus	Barrel cactus	–	Native
Ephedra nevadensis	Nevada ephedra	–	Native
Ericameria cooperi var. cooperi	Cooper goldenbush	–	Native
Ericameria nauseosa	Rubber rabbitbrush	–	Native
Ericameria paniculata	Black-banded rabbitbrush	–	Native
Eriogonum fasciculatum	California buckwheat	–	Native
Grayia spinosa	Hop sage	–	Native
Krascheninnikovia lanata	Winter fat	–	Native
Larrea tridentata	South american creosote bush	–	Native
Lepidospartum squamatum	California broomsage	–	Native
Lycium andersonii	Anderson thornbush	–	Native
Lycium cooperi	Cooper's box thorn	–	Native
Opuntia basilaris	Beavertail cactus	–	Native
Petalonyx thurberi	Sandpaper plant	–	Native
Psorothamnus arborescens	California dalea Mojave Indigo-Bush	–	Native
Scutellaria mexicana	Mexican bladdersage Bladder-Sage	–	Native
Sphaeralcea ambigua	Apricot mallow	–	Native
Tetradymia stenolepis	Mojave cottonthorn	–	Native
Yucca brevifolia var. *brevifolia*	Joshua tree	–	Native

Scientific Name	Common Name	Status[1]	Native or Introduced[2]
Herbs			
Abronia turbinata	Trans montane sand verbena	–	Native
Acmispon brachycarpus	Short podded lotus	–	Native
Adenophyllum cooperi	Cooper dyssodia	–	Native
Allium fimbriatum var. mohavense	Mojave fringed onion	–	Native
Ambrosia acanthicarpa	Annual burrweed Annual Bur-Sage	–	Native
Amsinckia menziesii	Menzies' fiddleneck Common Fiddleneck Small-Flowered Fiddleneck	–	Native
Amsinckia tessellata	Bristly fiddleneck	–	Native
Androstephium breviflorum	Pink funnel lily Small-Flowered Androstephium	2B.2	Native
Astragalus acutirostris	Beaked rattle weed	–	Native
Astragalus didymocarpus	Dwarf white milkvetch Two-Seeded Milkvetch	–	Native
Astragalus layneae	Layne locoweed Layne Milkvetch	–	Native
Astragalus lentiginosus var. variabilis	Freckled milk vetch	–	Native
Brassica tournefortii	Brassica tournefortii	–	Not Native
Camissonia campestris	Field primrose	–	Native
Caulanthus inflatus	Desert candle	–	Native
Caulanthus lasiophyllus	California mustard	–	Native
Chaenactis carphoclinia	Pebble pincushion	–	Native
Chaenactis fremontii	Fremont pincushion	–	Native
Chaenactis stevioides	Desert pincushion	–	Native
Chorizanthe brevicornu var. brevicornu	Brittle spineflower	–	Native
Chorizanthe rigida	Devil's spineflower	–	Native
Chorizanthe spinosa	Mojave spineflower	4.2	Native
Chylismia brevipes	Yellow cups	–	Native
Chylismia claviformis	Clavate fruited primrose	–	Native
Chylismia claviformis subsp. claviformis	Clavate fruited primrose	–	Native
Croton californicus	California croton	–	Native
Croton setiger	Doveweed Turkey-Mullein	–	Native
Cryptantha angustifolia	Narrow leaved cryptantha	–	Native
Cryptantha circumscissa	Cushion cryptantha	–	Native

Scientific Name	Common Name	Status[1]	Native or Introduced[2]
Cryptantha micrantha	Purple root cryptantha	–	Native
Cryptantha nevadensis	Nevada cryptantha	–	Native
Cryptantha pterocarya	Winged nut forget me not	–	Native
Cucurbita sp.	Gourd Field Pumpkin Squash	–	Variable; species dependent
Cuscuta sp.	Dodder	–	Variable; species dependent
Cymopterus deserticola	Desert cymopterus	1B.2	Native
Descurainia pinnata	Western tansy mustard	–	Native
Descurainia sophia	Flix weed	–	Not Native
Dichelostemma capitatum	Blue dicks	–	Native
Eremalche exilis	White mallow	–	Native
Eremothera boothii	Booth's sun cup	–	Native
Eriastrum densifolium subsp. mohavense	Perennial wool star	–	Native
Eriastrum eremicum subsp. eremicum	Desert wool star	–	Native
Eriogonum gracillimum	Rose and white buckwheat	–	Native
Eriogonum inflatum	Desert trumpet	–	Native
Eriogonum maculatum	Angle stemmed buckwheat Spotted Wild Buckwheat	–	Native
Eriogonum reniforme	Kidney leaf buckwheat	–	Native
Eriogonum trichopes	Little desert buckwheat	–	Native
Eriophyllum mohavense	Barstow woolly sunflower	1B.2	Native
Eriophyllum wallacei	Wallace eriophyllum Wallace's Woolly Daisy	–	Native
Erodium cicutarium	Coastal heron's bill Redstem Filaree	–	Not Native
Eschscholzia minutiflora	Coville s poppy	–	Native
Euphorbia albomarginata	Rattlesnake Sandmat	–	Native
Euphorbia polycarpa	Smallseed Sandmat	–	Native
Gilia cana subsp. speciosa	Showy gilia	–	Native
Gilia latiflora	Broad flowered gilia	–	Native
Gilia minor	Little gilia	–	Native
Heliotropium curassavicum var. oculatum	Linanthus parryae	–	Native
Hirschfeldia incana	Mediterranean hoary mustard	–	Not Native

Scientific Name	Common Name	Status[1]	Native or Introduced[2]
Lasthenia californica	California goldfields	–	Native
Lasthenia gracilis	Needle goldfields Common Goldfields	–	Native
Layia glandulosa	White layia	–	Native
Lepidium flavum	Yellow pepper grass	–	Native
Lepidium fremontii	Desert allysum	–	Native
Lepidium lasiocarpum subsp. lasiocarpum	Shaggyfruit pepperweed	–	Native
Leptosyne calliopsidea	Leafy stemmed coreopsis	–	Native
Lessingia glandulifera	Valley lessingia	–	Native
Linanthus parryae	Parry's linanthus	–	Native
Loeseliastrum matthewsii	Desert calico	–	Native
Logfia depressa	Dwarf cottonrose Hierba Limpia	–	Native
Lomatium mohavense	Mohave wild parsley	–	Native
Lupinus microcarpus	Chick lupine	–	Native
Lupinus microcarpus var. horizontalis	Chick lupine	–	Native
Lupinus odoratus	Mojave lupine	–	Native
Lupinus shockleyi	Purple desert lupine Desert Lupine	–	Native
Malacothrix coulteri	Snake's head	–	Native
Malacothrix glabrata	Desert dandelion	–	Native
Malva neglecta	Common mallow	–	Not Native
Matricaria discoidea	Pineapple weed Rayless Chamomile	–	Native
Mentzelia affinis	Yellow blazing star	–	Native
Mentzelia albicaulis	Small flowered blazing star	–	Native
Mentzelia veatchiana	Veatch's blazing star	–	Native
Mirabilis laevis	Desert wishbone bush	–	Native
Nama demissa	Purplemat	–	Native
Nama depressa	Narrow Leaf Nama	–	Native
Oenothera deltoides	Birdcage evening primrose Devil's Lantern Lion-In-A-Cage Basket Evening-Primrose	–	Native
Oenothera primiveris	Yellow desert evening primrose	–	Native
Oxytheca perfoliata	Roundleaf oxytheca Round-Leaf Puncturebract	–	Native

Scientific Name	Common Name	Status[1]	Native or Introduced[2]
Pectocarya penicillata	Sleeping combseed Northern Pectocarya	–	Native
Pectocarya platycarpa	Broad fruited combseed Wide-Toothed Pectocarya	–	Native
Phacelia distans	Common phacelia	–	Native
Phacelia fremontii	Fremont's phacelia	–	Native
Phacelia tanacetifolia	Lacy phacelia	–	Native
Plagiobothrys arizonicus	Arizona popcorn flower	–	Native
Rafinesquia neomexicana	California chicory Desert Chicory	–	Native
Salsola tragus	Prickly Russian thistle Tumbleweed	–	Not Native
Salvia carduacea	Thistle sage	–	Native
Sisymbrium altissimum	Tall tumblemustard	–	Not Native
Sisymbrium irio	London rocket	–	Not Native
Stanleya pinnata var. pinnata	Desert princesplume	–	Native
Stephanomeria exigua	Small wirelettuce	–	Native
Stephanomeria pauciflora	Brownplume wirelettuce Wire-Lettuce	–	Native
Stillingia paucidentata	Mojave stillingia	–	Native
Streptanthella longirostris	Long beaked twist flower	–	Native
Tiquilia plicata	Fanleaf crinklemat Fan-Leaved Tiquilia	–	Native
Toxicoscordion brevibracteatum	Desert death camas	–	Native
Tropidocarpum gracile	Dobie pod	–	Native
Xylorhiza tortifolia var. tortifolia	Desert aster	–	Native
Grasses			
Bromus diandrus	Bromegrass Ripgut Grass	–	Not Native
Bromus madritensis	Foxtail chess	–	Not Native
Bromus tectorum	Cheatgrass Downy Chess	–	Not Native
Elymus elymoides	Bottlebrush squirreltail Squirreltail	–	Native
Festuca microstachys	Small fescue	–	Native
Hordeum murinum	Farmer's foxtail Wall Barley	–	Not Native
Schismus barbatus	Common Mediterranean grass	–	Not Native
Stipa hymenoides	Indian rice grass Sand Rice Grass	–	Native
Stipa speciosa	Desert needle grass	–	Native

Appendix B

Special Status Plant Species Potential to Occur

Special Status Plant Species Potential to Occur

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
Allium shevockii Spanish needle onion	G2/S2 1B.3 BLM S	Perennial bulbiferous herb found on soil pockets on rock outcrops and talus slopes in pinyon and juniper woodland and upper montane coniferous forest habitats at 2,800-8,200 feet above mean sea level (amsl). Blooms May-Jun.	**Does not occur.** Suitable pinyon and juniper woodland and upper montane coniferous forest are not present in the study area. No CNDDB occurrences have been recorded within five miles of the study area.
Androstephium breviflorum pink funnel lily	G4/S2? 2B.2	Perennial bulbiferous herb found in desert dunes, Mojavean desert scrub, and bajadas at 720-2,625 feet amsl. Blooms Mar-Apr.	**Occurs.** Suitable Mojavean desert scrub is present in the study area. This species was observed at two locations in the study area during field surveys conducted in April 2017 by BRC Equals 3.
Calochortus striatus alkali mariposa-lily	G3?/S2S3 1B.2 BLM S USFS S DRECP	Perennial bulbiferous herb found on alkaline meadows and ephemeral washes in chaparral, chenopod scrub, meadows and seeps, and Mojavean desert scrub habitats at 230-5,250 feet amsl. Blooms Apr-Jun.	**Does not occur.** Suitable Mojavean desert scrub, chenopod scrub, and ephemeral washes are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Camissonia kernensis ssp. *kernensis* Kern County evening-primrose	G4T3/S3 4.3	Annual herb found on granitic, sometimes gravelly or sandy soils in chaparral, Joshua tree woodland, and pinyon and juniper woodland habitats at 2,592-6,988 feet amsl. Blooms Mar-May.	**Does not occur.** Suitable Joshua tree woodland is present, and granitic, gravelly, and sandy soils are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Canbya candida white pygmy-poppy	G3G4/S3S4 4.2 USFS S	Annual herb found on gravelly, sandy, granitic soils in Joshua tree woodland, Mojavean desert scrub, and pinyon and juniper woodland at 1,970-4,790 feet amsl. Blooms Mar-Jun.	**Does not occur.** Suitable Joshua tree woodland and Mojavean desert scrub are present, and gravelly, sandy, and granitic soils are present in the study area. However, the only CNDDB occurrences within five miles of the study area is from 1935.
Chorizanthe spinosa Mojave spineflower	G4/S4 4.2	Annual herb found on alkaline soils in chenopod scrub, Joshua tree woodland, Mojavean desert scrub, and playa habitats at 20-4,265 feet amsl. Blooms Mar-Jul.	**Occurs.** Suitable chenopod scrub, Joshua tree woodland, Mojavean desert scrub, and playas are present, and alkaline soils are present in the study area. Observed in 2022 field surveys.
Cryptantha clokeyi Clokey's cryptantha	G3/S3 1B.2	Annual herb found on sandy or gravelly soils in Mojavean desert scrub habitats at 2,378-4,478 feet amsl. Blooms Apr.	**Does not occur.** Mojavean desert scrub is present, and sandy and gravelly soils are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Cymopterus deserticola desert cymopterus	G2/S2 1B.2 BLM S DRECP	Perennial herb found on fine to coarse, loose, sandy soil of flats in old dune areas with well-drained sand in Joshua tree woodland and Mojavean desert scrub habitats at	**Occurs.** Suitable Joshua tree woodland and Mojavean desert scrub are present in the study area, and sandy soils are present. This species was observed at several locations in the study area during field surveys conducted in April

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
		2,066-4,900 feet amsl. Blooms Mar-May.	2017 by BRC Equals 3. Multiple CNDDB occurrences have been recorded within five miles of the study area, including two from 2009 which overlap the study area.
Deinandra arida Red Rock tarplant	SR G1/S1 1B.2	Annual herb found on volcanic tuff and dry to moist sites where water has collected along ephemeral streams or road edges in Mojavean desert scrub habitats at 985-3,100 feet amsl. Blooms Apr-Nov.	**Does not occur.** Suitable Mojavean desert scrub, ephemeral streams, and road edges are present in the study area, though volcanic tuff is not present. No CNDDB occurrences have been recorded within five miles of the study area.
Deinandra mohavensis Mojave tarplant	SE G2/S3 1B.3 BLM S USFS S DRECP	Annual herb found on low sand bars in riverbeds, mostly in riparian areas or ephemeral grassy areas in chaparral, coastal scrub and riparian scrub habitats at 2,100-2,250 feet amsl. Blooms (Jan-May) Jun-Oct.	**Does not occur.** Suitable ephemeral riparian areas are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Delphinium recurvatum recurved larkspur	G2?/S2? 1B.2 BLM S	Perennial herb found on alkaline soils in chenopod scrub, cismontane woodland, and valley and foothill grassland habitats at 10-2,600 feet amsl. Blooms Mar-Jun.	**Unlikely.** Suitable chenopod scrub is present and alkaline soils are present in the study area. The only CNDDB occurrence within five miles of the study area overlaps the study area, but it is from 1952.
Dudleya abramsii ssp. *calcicola* limestone dudleya	G4T4/S4 4.3	Perennial herb found on rocky limestone places in chaparral and pinyon and juniper woodland habitats at 1,640-8,530 feet amsl. Blooms Apr-Aug.	**Absent.** No chaparral or pinyon and juniper woodland habitats are present in the study area. No CNDDB occurrences have been recorded within five miles of the study area.
Eremothera boothii ssp. *boothii* Booth's evening-primrose	G5T4/S3 2B.3	Annual herb found in Joshua tree woodland and pinyon and juniper woodland habitats at 2,674-7,874 feet amsl. Blooms Apr-Sep.	**Does not occur.** Suitable Joshua tree woodland habitat is present in the study area. However, the study area is outside the geographic range of this subspecies as described in Baldwin et al. (2012). The only CNDDB occurrence located within five miles of the study area is from 1988 and mapped as a best guess.
Eriophyllum mohavense Barstow woolly sunflower	G2/S2 1B.2 BLM S DRECP	Annual herb found in open silty or sandy areas, barren ridges, or margins of playas in chenopod scrub, Mojavean desert scrub and playa habitats at 1,640-3,150 feet amsl. Blooms Mar-May.	**Likely.** Suitable chenopod scrub, Mojavean desert scrub, and playas are present in the study area. Open areas with silty and sandy soils are present. Multiple CNDDB occurrences have been recorded within five miles of the study area, including one occurrence from 2017 which is located approximately 0.5 mile east of the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
Erythranthe rhodopetra Red Rock Canyon monkeyflower	G1/S1 1B.1 BLM S	Annual herb found on sandy soils in washes derived from sedimentary rock of the Ricardo formation in Mojavean desert scrub habitat at 2,000-3,000 feet amsl. Blooms Mar-Apr.	**Does not occur.** Suitable Mojavean desert scrub and sandy soils are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Eschscholzia minutiflora ssp. *twisselmannii* Red Rock poppy	G5T2/S2 1B.2 BLM S	Annual herb found on volcanic tuff in Mojavean desert scrub habitat with *Larrea*, *Lycium*, *Eriogonum*, *Isomeris*, and *Hemizonia* at 2,230-4,040 feet amsl. Blooms Mar-May.	**Unlikely.** Suitable Mojavean desert scrub is present in the study area. This species was observed approximately 4.5 miles north of the study area during field surveys conducted in April 2017 by BRC Equals 3. However, no CNDDB occurrences have been recorded within five miles of the study area.
Euphorbia vallis-mortae Death Valley sandmat	G3/S3 4.2	Perennial herb found on sandy or gravelly sites in Mojavean desert scrub habitat at 755-4,790 feet amsl. Blooms May-Oct.	**Does not occur.** Suitable Mojavean desert scrub is present, and sandy and gravelly soils are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Goodmania luteola golden goodmania	G3/S3 4.2	Annual herb found on alkaline or clay soils in meadows and seeps, Mojavean desert scrub, playas, and valley and foothill grassland habitats at 65-7,200 feet amsl. Blooms Apr-Aug.	**Does not occur.** Suitable Mojavean desert scrub, and playas are present, and alkaline and clay soils are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Hecastocleis shockleyi prickle-leaf	G4/S4 3	Perennial shrub found on rocky slopes and washes, often on carbonate or slate in chenopod scrub and Mojavean desert scrub habitats at 3,937-7,217 feet amsl. Blooms May-Jul.	**Does not occur.** Suitable chenopod scrub and Mojavean desert scrub habitats are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Layia heterotricha pale-yellow layia	G2/S2 1B.1 BLM S USFS S	Annual herb found on alkaline or clay soils in open areas in cismontane woodland, coastal scrub, pinyon and juniper woodland, and valley and foothill grassland habitats at 984-5,594 feet amsl. Blooms Mar-Jun.	**Does not occur.** No suitable cismontane woodland, coastal scrub, pinyon and juniper woodland, or valley and foothill grassland habitats are present, though suitable alkaline and clay soils are present in the study area. No CNDDB occurrences have been recorded within five miles of the study area.
Loeflingia squarrosa var. *artemisiarum* sagebrush loeflingia	G5T3/S2 2B.2 BLM S	Annual herb found on sandy flats and dunes and sandy areas around clay slicks with *Sarcobatus*, *Atriplex*, and *Tetradymia* in desert dunes, Great Basin scrub, and Sonoran desert scrub habitats at 2,297-5,300 feet amsl. Blooms Apr-May.	**Unlikely.** Suitable desert dune habitats are present in the study area. Sandy and clay soils and *Atriplex* spp. are also present. One CNDDB occurrence from 2006 is located approximately 2.5 miles from the study area.
Mentzelia eremophila solitary blazing star	G4/S3S4 4.2	Annual or perennial herb found in Mojavean desert scrub habitat at 2,300-4,000 feet amsl. Blooms Mar-May.	**Does not occur.** Suitable Mojavean desert scrub habitat is present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
Mentzelia tridentata creamy blazing star	G3/S3 1B.3	Annual herb found in Mojavean desert scrub habitat at 2,300-3,850 feet amsl. Blooms Mar-May.	**Does not occur.** Suitable Mojavean desert scrub habitat is present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Muilla coronata crowned muilla	G3/S3 4.2	Perennial bulbiferous herb found on barren flats and ridges in sandy, granitic soils in chenopod scrub, Joshua tree woodland, Mojavean desert scrub, and pinyon and juniper woodland habitats at 2,200-6,430 feet amsl. Blooms Mar-Apr (May).	**Does not occur.** Suitable chenopod scrub, Joshua tree woodland, and Mojavean desert scrub habitats are present, and sandy, granitic soils are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Nemacladus gracilis slender nemacladus	G4/S4 4.3	Annual herb found on sandy or gravelly places in cismontane woodland and valley and foothill grassland habitats at 394-6,234 feet amsl. Blooms Mar-May.	**Does not occur.** No suitable cismontane woodland or valley and foothill grassland habitats are present, though sandy and gravelly soils are present in the study area. No CNDDB occurrences have been recorded within five miles of the study area.
Pediomelum castoreum Beaver Dam breadroot	G3/S2 1B.2 BLM S	Perennial herb found on sandy soils in washes and roadcuts in Joshua tree woodland and Mojavean desert scrub habitats at 2,000-5,000 feet amsl. Blooms Apr-May.	**Does not occur.** Suitable Joshua tree woodland and Mojavean desert scrub habitats are present, and sandy soils are present in the study area. However, the only CNDDB occurrence recorded within five miles of the study area is an undated observation from before 1996, exact location unknown.
Phacelia nashiana Charlotte's phacelia	G3/S3 1B.2 BLM S	Annual herb found on granitic soils and sandy or rocky areas on steep slopes or flats in Joshua tree woodland, Mojavean desert scrub, and pinyon and juniper woodland habitats at 1,970-7,220 feet amsl. Blooms Mar-Jun.	**Does not occur.** Suitable Joshua tree woodland and Mojavean desert scrub habitats are present, and granitic, sandy, and rocky soils are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Sclerocactus polyancistrus Mojave fish-hook cactus	G3/S3 4.2	Perennial shrub found on well-drained soil, sometimes on limestone, on rocky, gravelly mesas, slopes, and outcrops in Great Basin scrub, Joshua tree woodland, and Mojavean desert scrub habitats at 2,100-7,612 feet amsl. Blooms Apr-Jul.	**Does not occur.** Suitable Joshua tree woodland and Mojavean desert scrub habitats are present, and rocky, gravelly soils are present in the study area. However, no CNDDB occurrences have been recorded within five miles of the study area.
Senna covesii Cove's cassia	G5/S3 2B.2	Perennial herb found on dry, sandy desert washes and slopes in Sonoran desert scrub habitat at 738-4,250 feet amsl. Blooms Mar-Jun (Aug).	**Does not occur.** No suitable Sonoran desert scrub habitat is present in the study area, though dry, sandy desert washes are present in the study area. The only CNDDB occurrence recorded within five miles of the study area is a 2013 occurrence which overlaps the study area and is believed to consist of transplants outside the native range.

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur
			The study area is outside the known range of this species
Yucca brevifolia var. *brevifolia* western Joshua tree	SC Endangered	Perennial tree found on fine, loose, well-drained or gravelly silts, loams, and sands in sagebrush scrub, desert scrub, southwestern shrubsteppe, pinyon and juniper woodland, and desert grassland habitats in hot, dry sites on flats, mesas, bajadas, and gentle slopes in the Mojave Desert at 1,600-6,600 feet amsl. Blooms Mar-Jun.	**Occurs.** This species was observed in several locations in the study area during field surveys conducted in October 2021 by Bargas and March / April 2022 by SummitWest.

Regional Vicinity refers to within a five-mile search radius of the study area.

CRPR (CNPS California Rare Plant Rank)

1A = Presumed extirpated in California, and rare or extinct elsewhere

1B = Rare, Threatened, or Endangered in California and elsewhere

2A = Presumed extirpated in California, but common elsewhere

2B= Rare, Threatened, or Endangered in California, but more common elsewhere

3 = Need more information (Review List)

4 = Limited Distribution (Watch List)

CRPR Threat Code Extension

1 = Seriously endangered in California (>80% of occurrences threatened/high degree and immediacy of threat)

2 = Moderately threatened in California (20-80% of occurrences threatened/ moderate degree and immediacy of threat)

3 = Not very endangered in California (<20% of occurrences threatened/ low degree and immediacy of threat)

Status (Federal/State)

SE = State Endangered

SC = State Candidate

SR = State Rare

BLM S = BLM Sensitive Species

Other Statuses

G1 or S1 Critically Imperiled Globally or Subnationally (state)

G2 or S2 Imperiled Globally or Subnationally (state)

G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)

G4/5 or S4/5 Apparently secure, common and abundant

Status (Regional)

DRECP = Desert Renewable Energy Conservation Plan

USFS S = United States Forest Service Sensitive

[1] **Definitions Regarding Potential for Occurrence**

Occurs = The species and/or positive sign was observed on-site during site visit or field survey.

Absent = The species and/or positive sign was not observed on-site during focused survey(s) during the appropriate blooming/activity period (and, for plants, observed at a reference population).

Likely = All site features indicate this species is very likely present and should be expected. Criteria include:

- Project site within geographic range;
- Suitable habitat present (e.g., soils, vegetation communities, elevation, roost sites, leaf litter/debris, water, host plants, etc.); and
- Distance to historical record(s) less than 25 years old is/are less than 500 feet (plants/fish), 1,000 feet (riparian wildlife), 1 mile (birds/bats), 2 miles (large mammals), or 3 miles (small mammals/herps).

Unlikely = The species could occur given presence of marginal habitat, but records of the species are not locally known or are greater than 25 years old.

Does Not Occur = The species would not occur because the project site is outside known or current geographic/elevation range, lacks habitat or suitable conditions, and/or there is reasonable certainty to assume absence based on historical records.

Source: CNPS 2021a; CDFW 2021a

Appendix C

Representative Site and Species Photographs

Photograph 1. *Cymopterus deserticola* individual. Photo taken April 5, 2022.

Photograph 2. *Cymopterus deserticola* individual. Photo taken April 5, 2022.

Photograph 3. *Cymopterus deserticola* individual. Photo taken April 5, 2022.

Photograph 4. *Androstephium breviflorum* observed in seed. Photo taken April 8th, 2022.

Photograph 5. *Androstephium breviflorum* observed in seed. Photo taken April 8th, 2022.

Photograph 6. *Androstephium breviflorum* habitat . Photo taken April 8th, 2022.

Photograph 7. Surveyed creosote scrub habitat near Twenty Mule Team Parkway and Rudnick Boulevard in California City. Photo taken April 28th, 2022.

Photograph 8. Creosote scrub surveyed habitat near Twenty Mule Team Parkway and Rudnick Boulevard in California City. Photo taken April 28th, 2022.

Photograph 9. *Yucca brevifolia* var. *brevifolia* observed near California City. Photo taken on April 4th, 2022.

Photograph 10. *Yucca brevifolia* var. *brevifolia* observed near Twenty Mule Team Road and Amargo Road. Photo taken on April 4th, 2022.

Photograph 11. *Yucca brevifolia* var. *brevifolia* observed near Twenty Mule Team Road and Amargo Road. Photo taken on April 4th, 2022.

Photograph 12. *Chorizanthe spinosa* observed near California City. Photo taken on April 2nd, 2022.

Photograph 13. *Desert tortoise* observed near Cal City. Photo taken during 2022 surveys.

Photograph 14. *Desert tortoise* observed near Twenty Mule Team Road and Amargo Road. Photo taken on April 2nd, 2022.

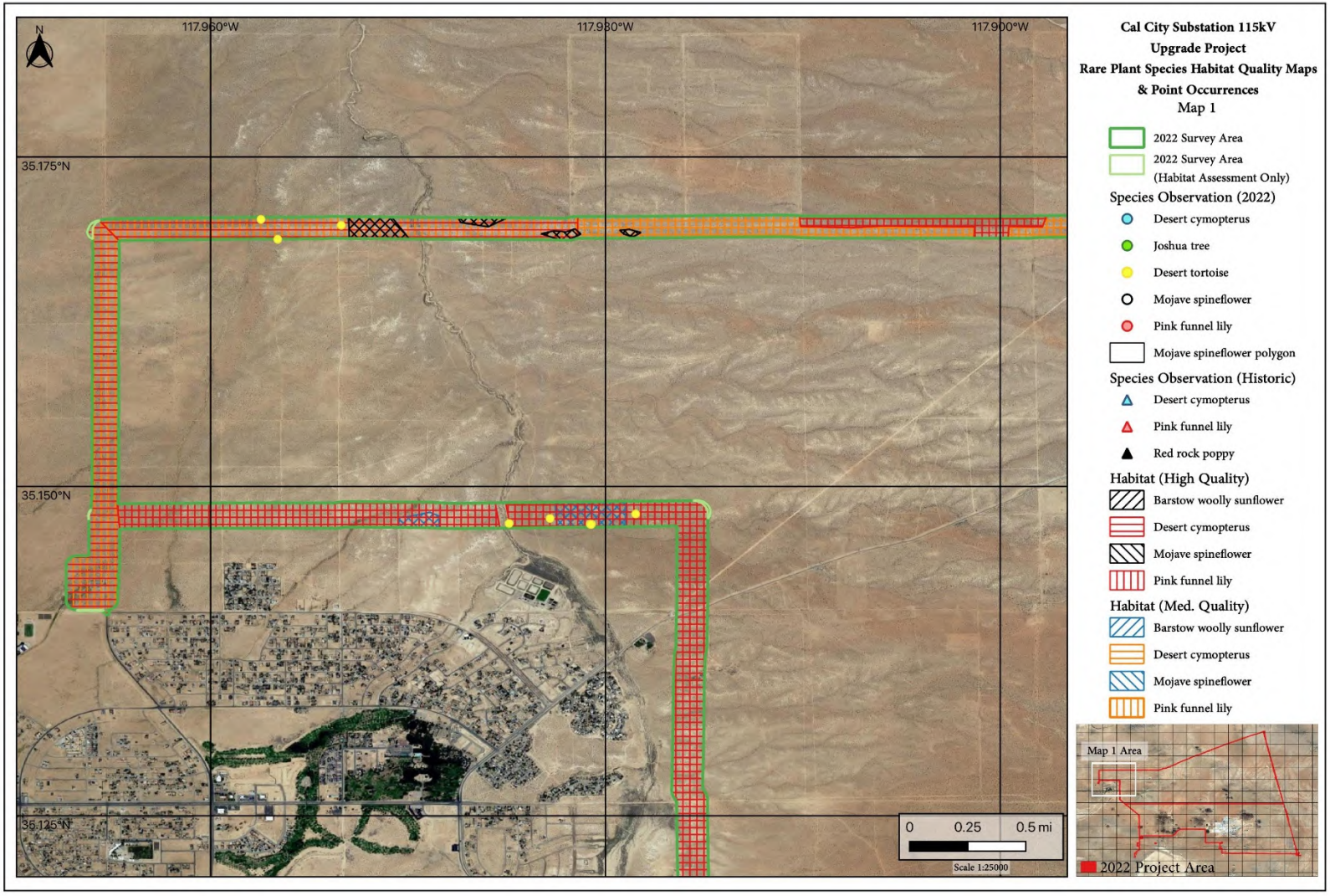
Photograph 15. Playa habitat near California City. Photo taken during 2022 surveys.

Photograph 16. Playa habitat near California City. Photo taken during 2022 surveys.

Photograph 17.*Chorizanthe spinosa* habitat near California City. Photo taken during 2022 surveys

Appendix D

Rare Plant Species Habitat Quality Maps and Occurrences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117.960°W
117.930°W
117.900°W
35.175°N
35.150°N
35.125°N
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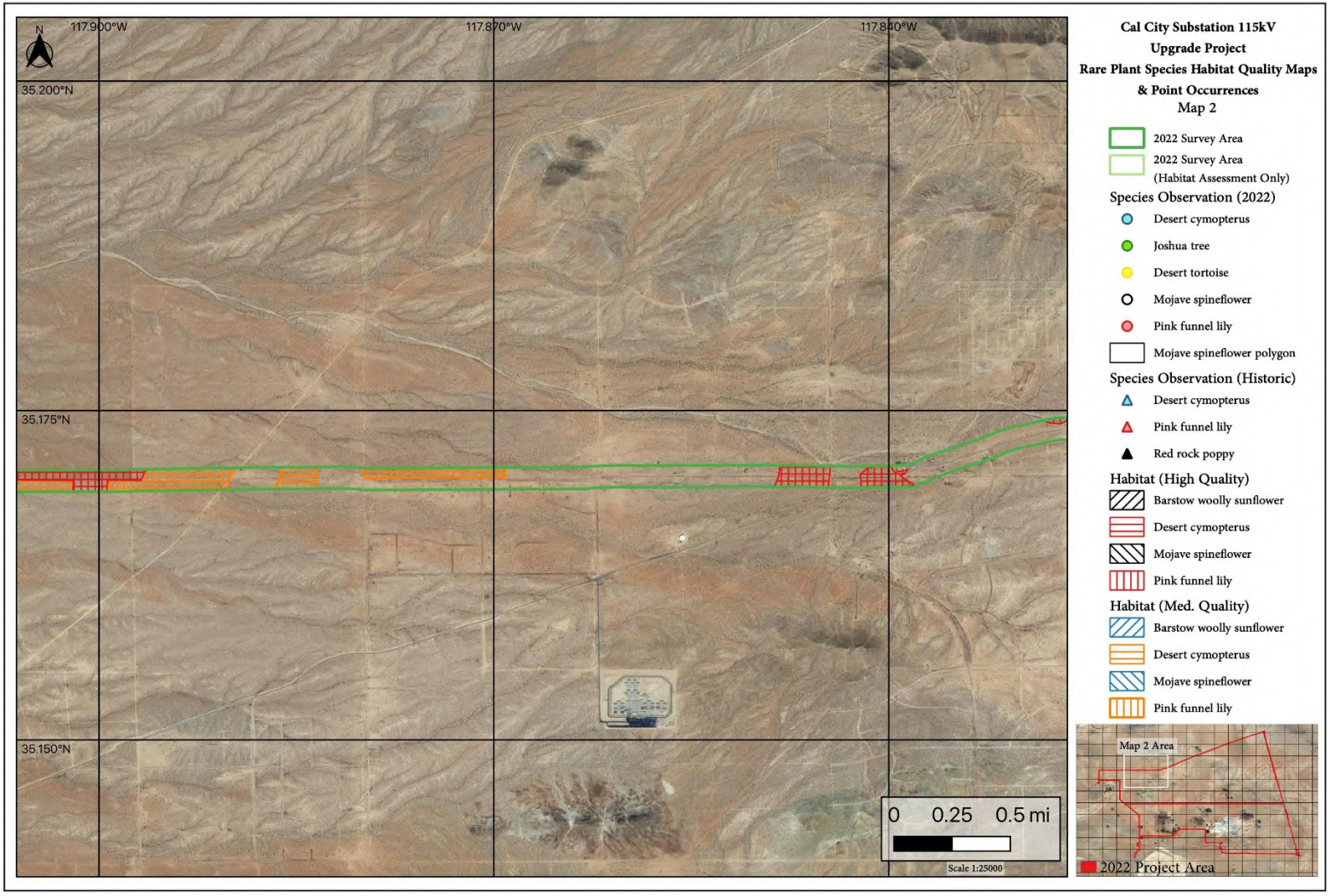
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 1
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 1 Area
2022 Project Area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117.840°W
35.200°N
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35.150°N
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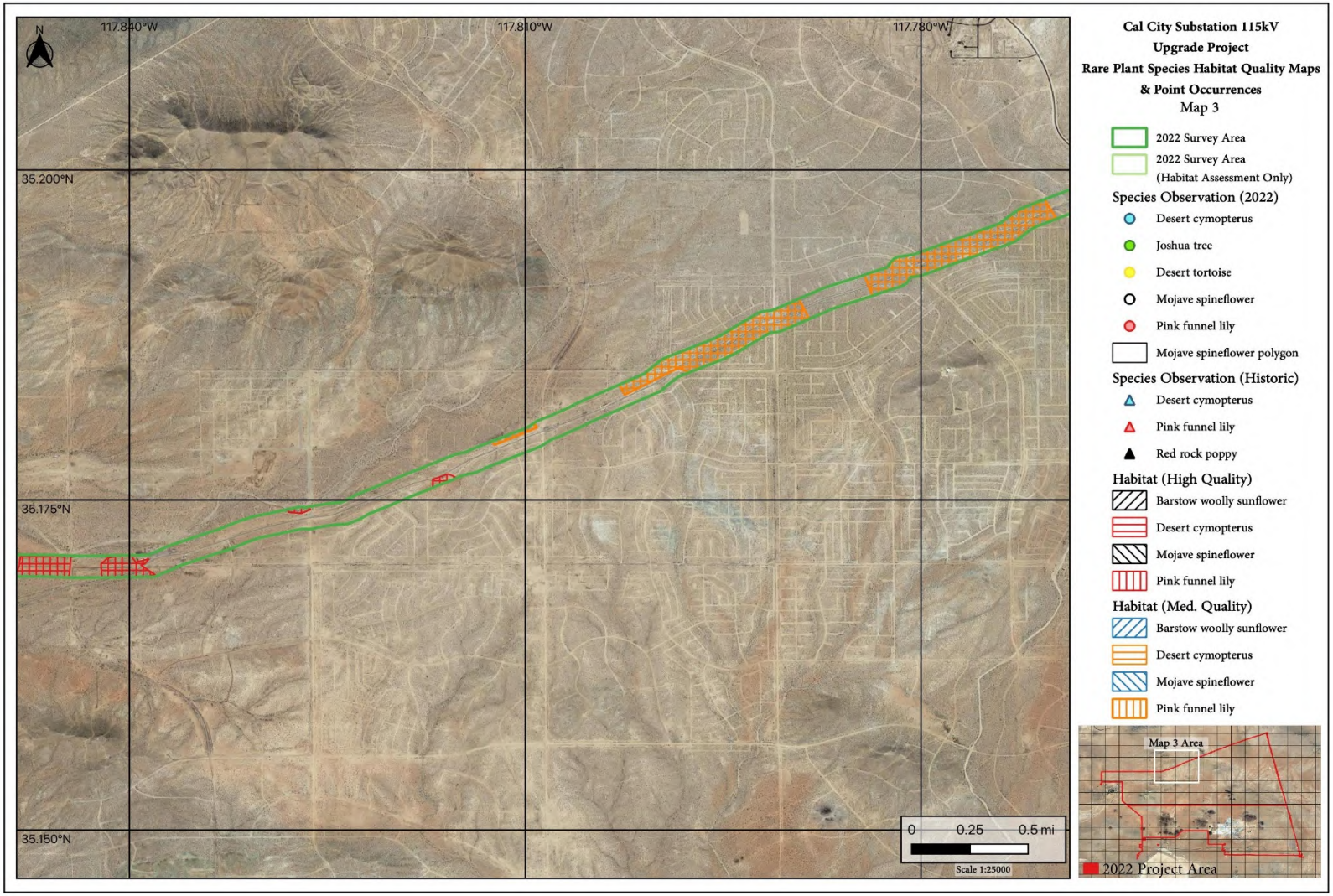
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 2
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 2 Area
2022 Project Area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35.175°N
35.150°N
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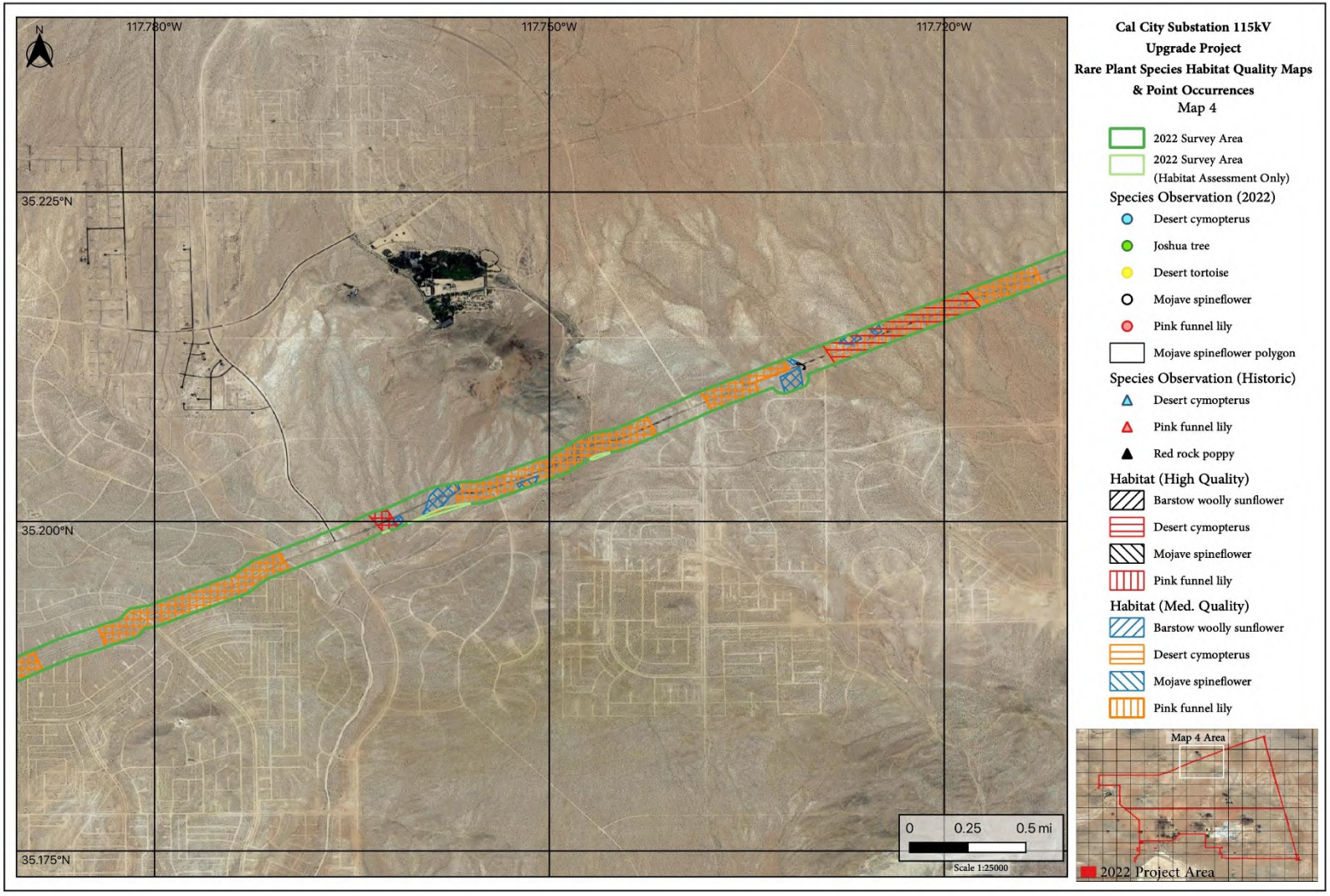
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 3
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 3 Area
2022 Project Area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117.720°W
35.225°N
35.200°N
35.175°N
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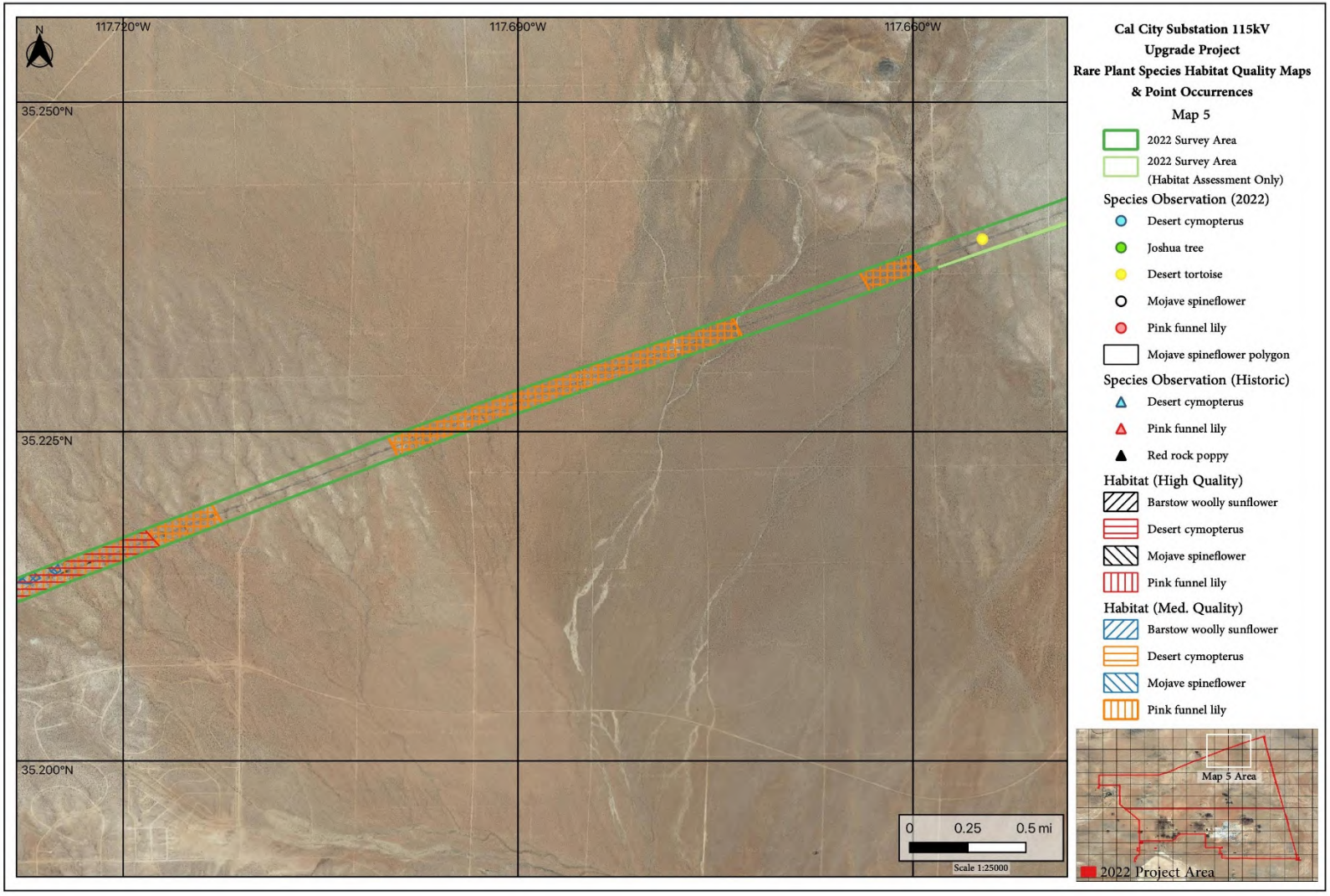
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 4
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 4 Area
2022 Project Area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117.660°W
35.250°N
35.225°N
35.200°N
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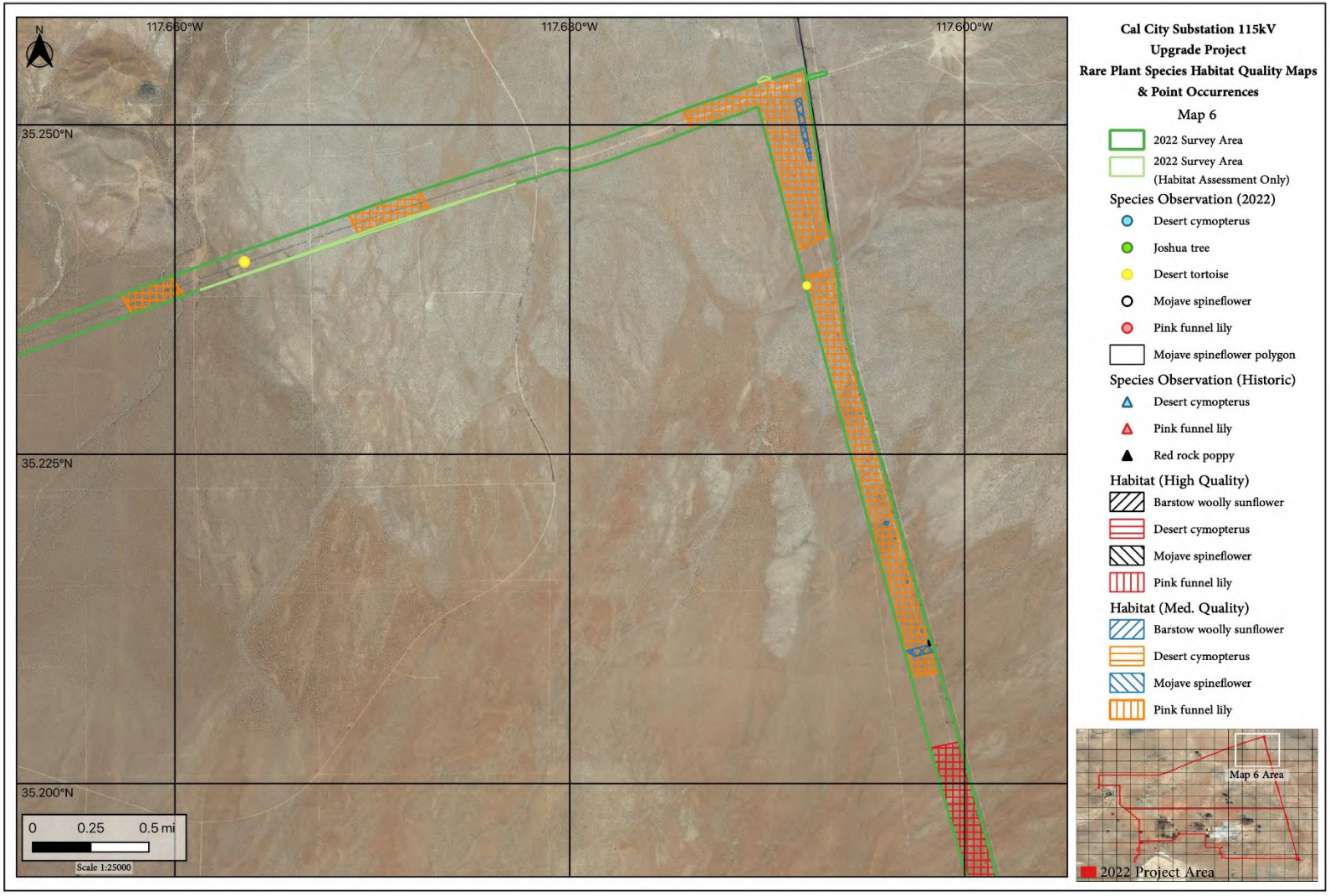
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 5
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 5 Area
2022 Project Area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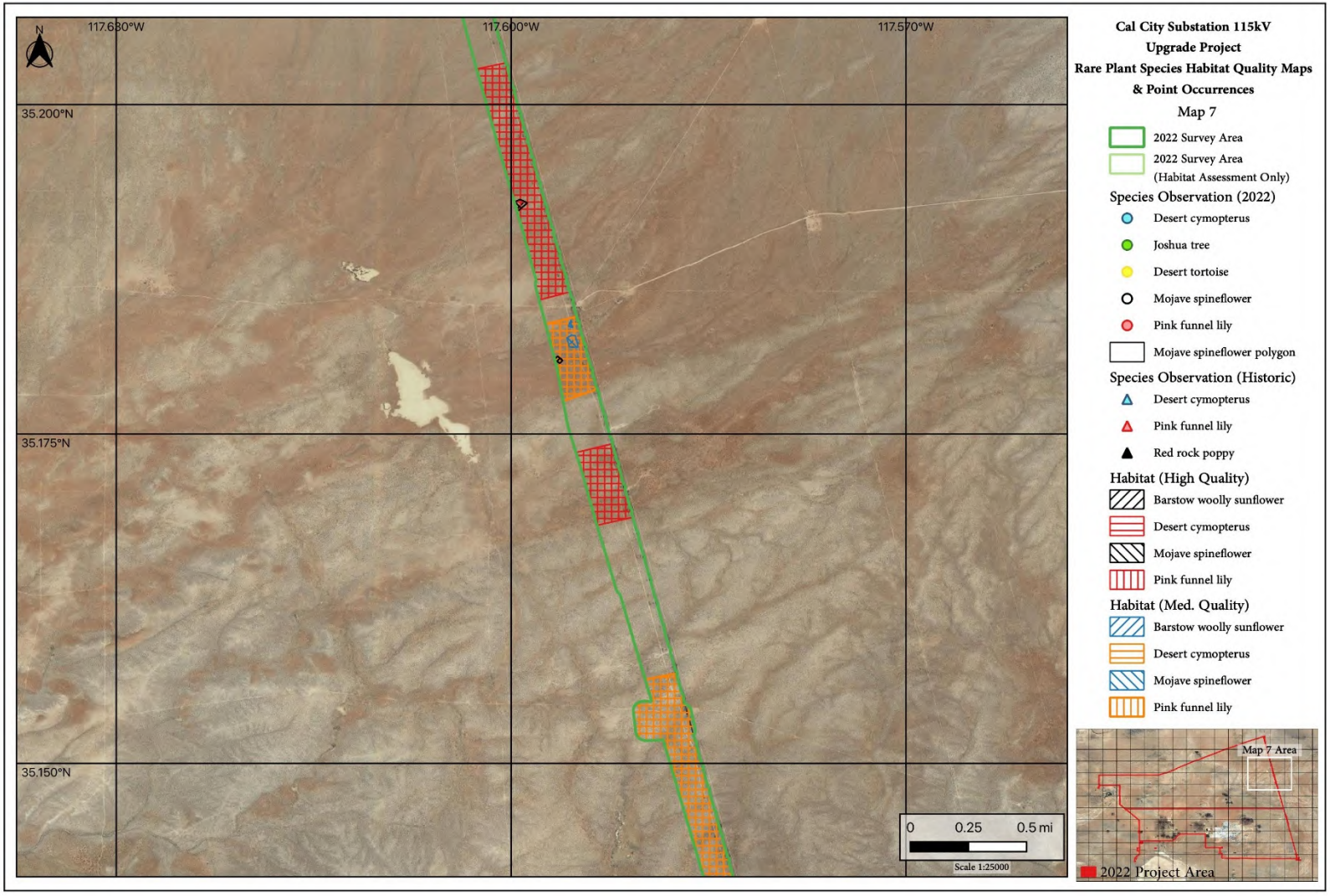
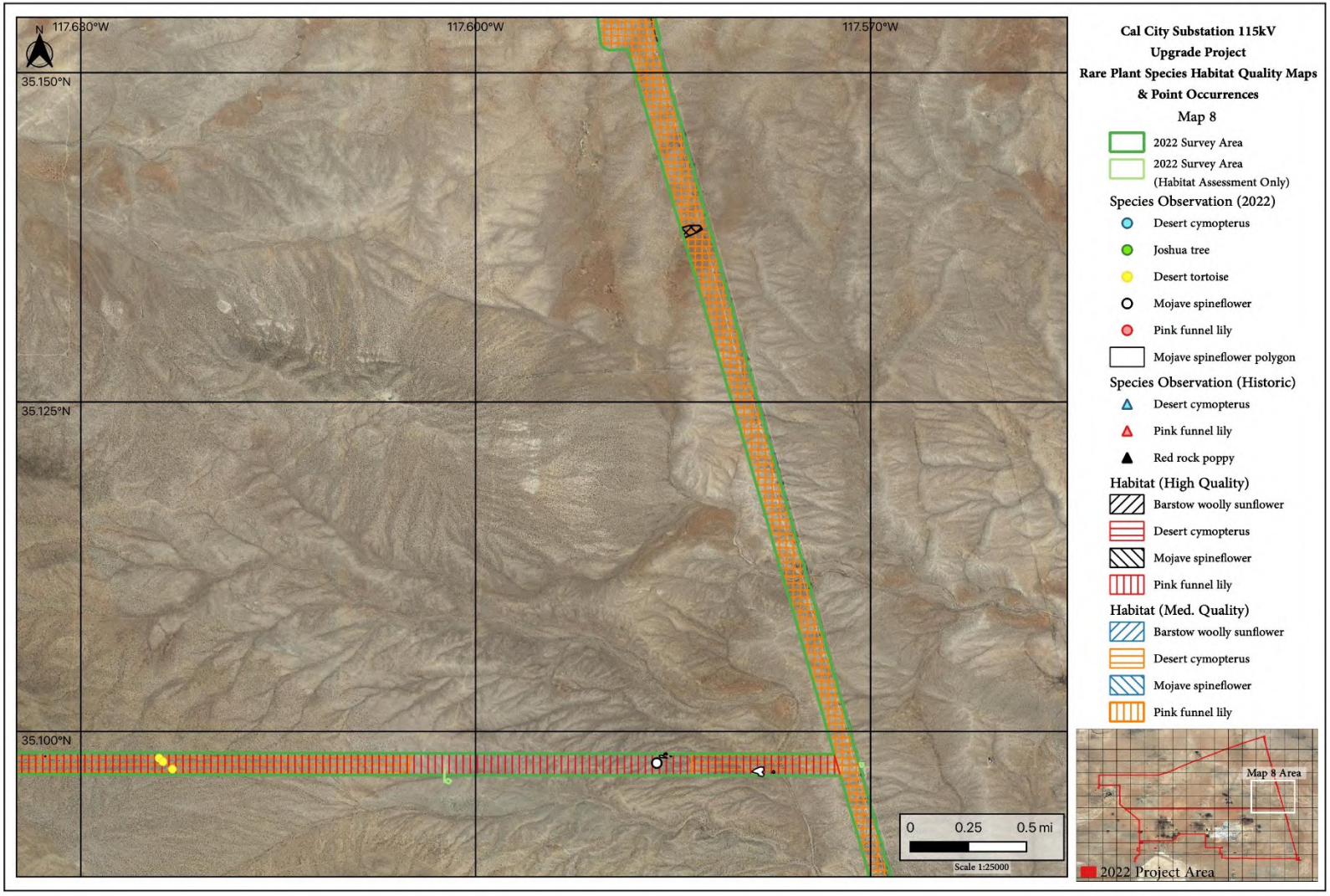
117.630°W
117.600°W
35.250°N
35.225°N
35.200°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 6
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 6 Area
2022 Project Area


N
117.630°W
117.600°W
117.570°W
35.200°N
35.175°N
35.150°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 7
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 7 Area
2022 Project Area


N
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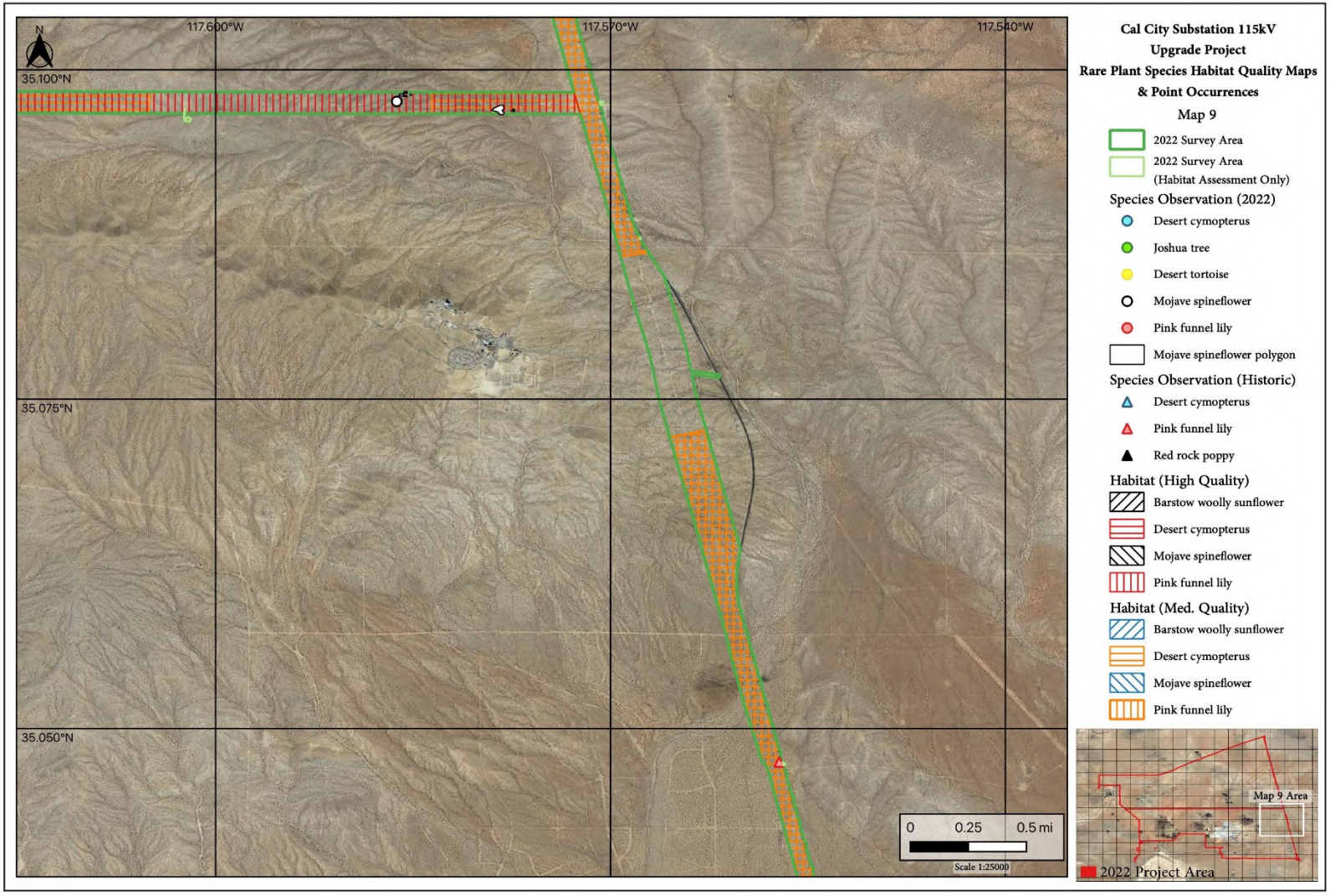
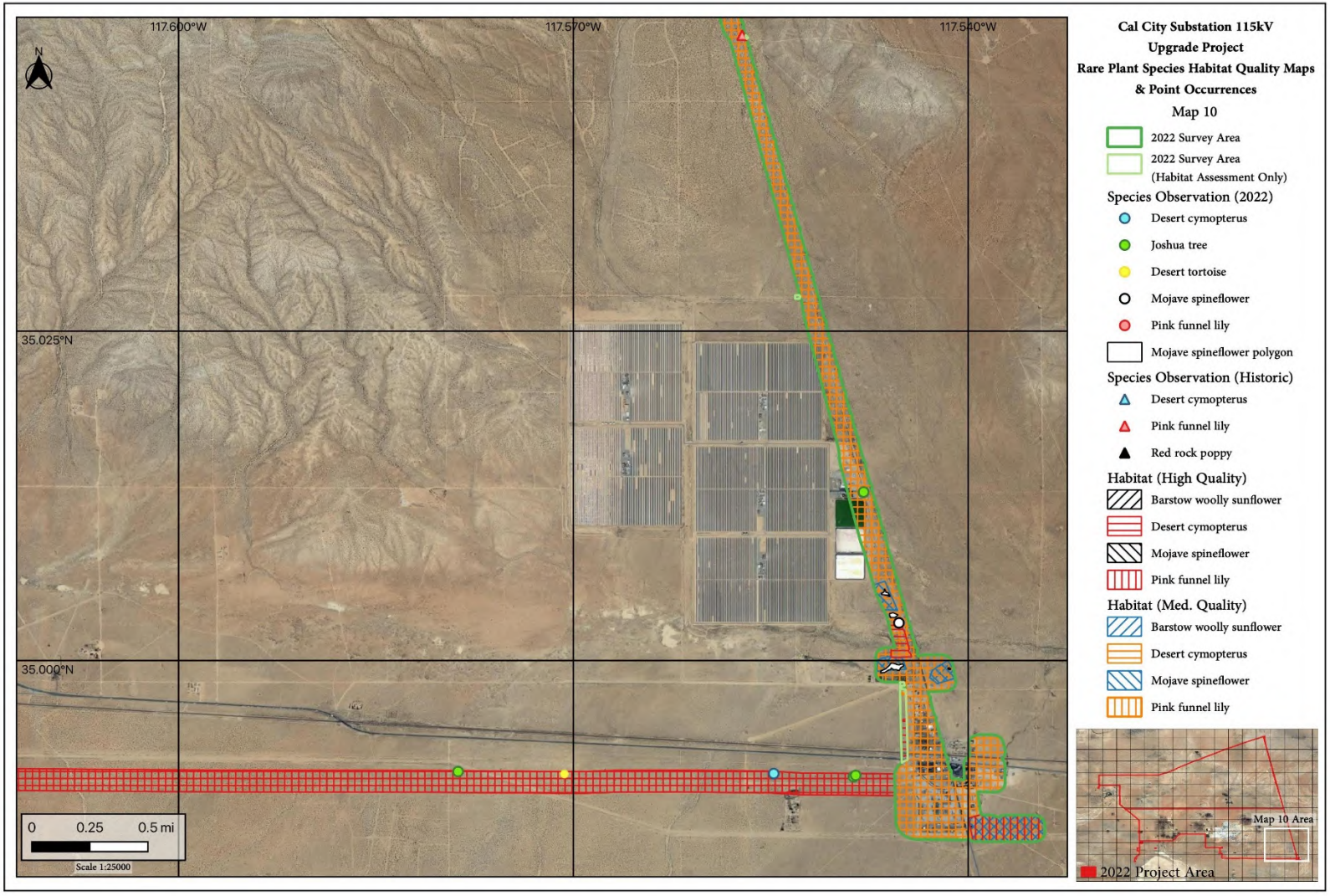
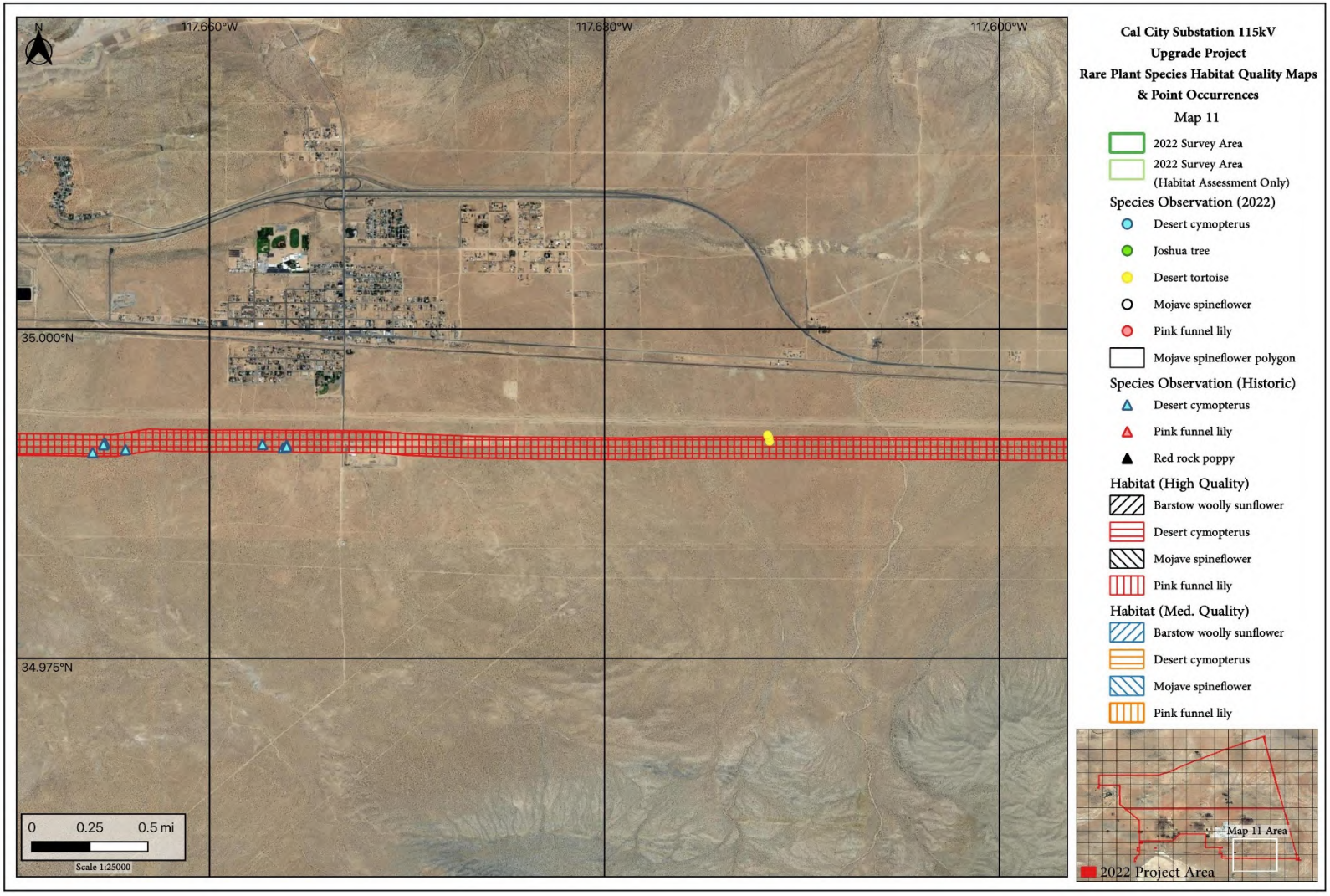
117.600°W
117.570°W
35.150°N
35.125°N
35.100°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 8
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 8 Area
2022 Project Area


N
117.600°W
117.570°W
117.540°W
35.100°N
35.075°N
35.050°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 9
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 9 Area
2022 Project Area


117.600°W
117.570°W
117.540°W
N
35.025°N
35.000°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 10
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 10 Area
2022 Project Area


N
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117.630°W
117.600°W
35.000°N
34.975°N
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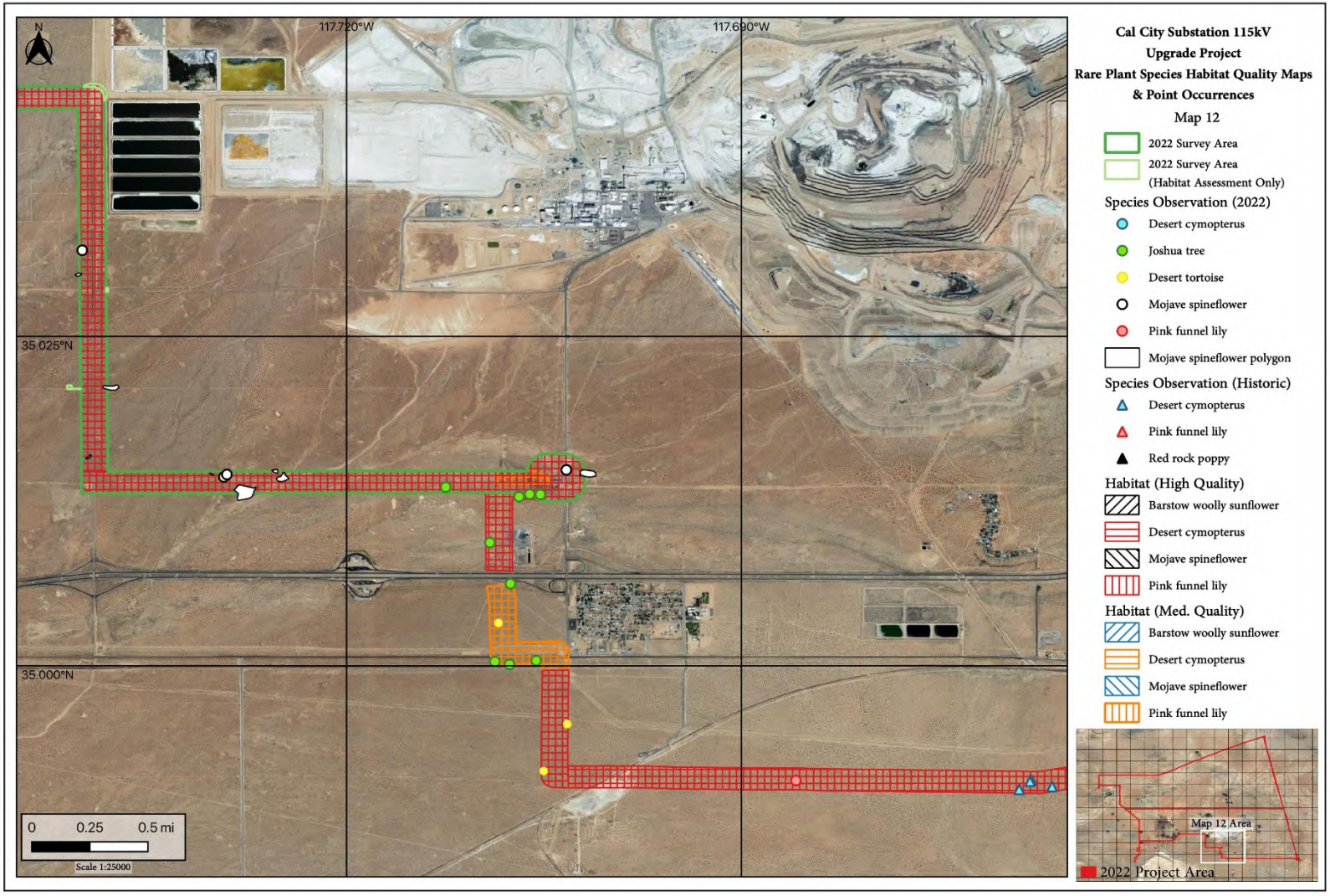
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 11
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 11 Area
2022 Project Area


N
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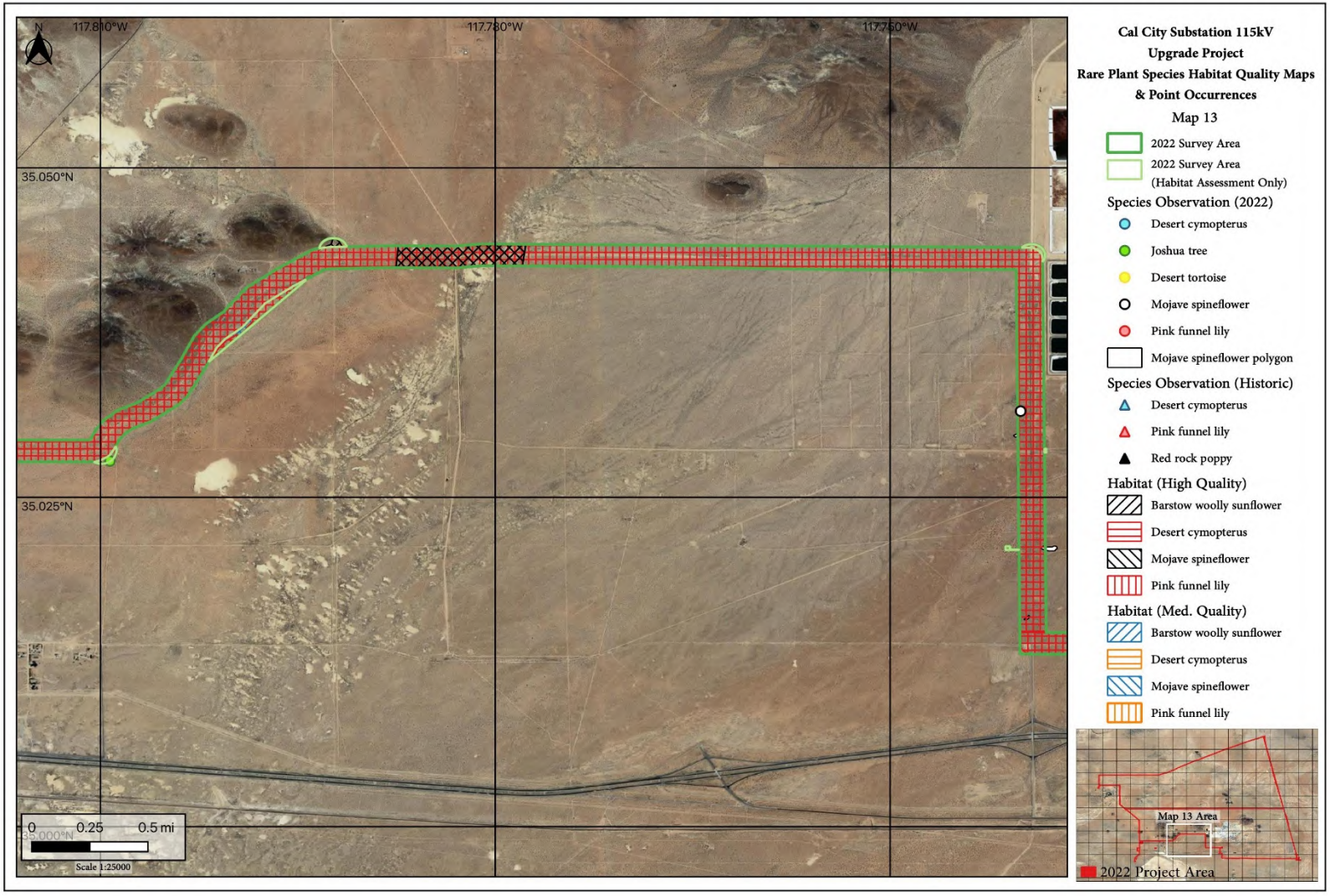
117.690°W
35.025°N
35.000°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 12
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 12 Area
2022 Project Area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117.780°W
117.750°W
35.050°N
35.025°N
35.000°N
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0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 13
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
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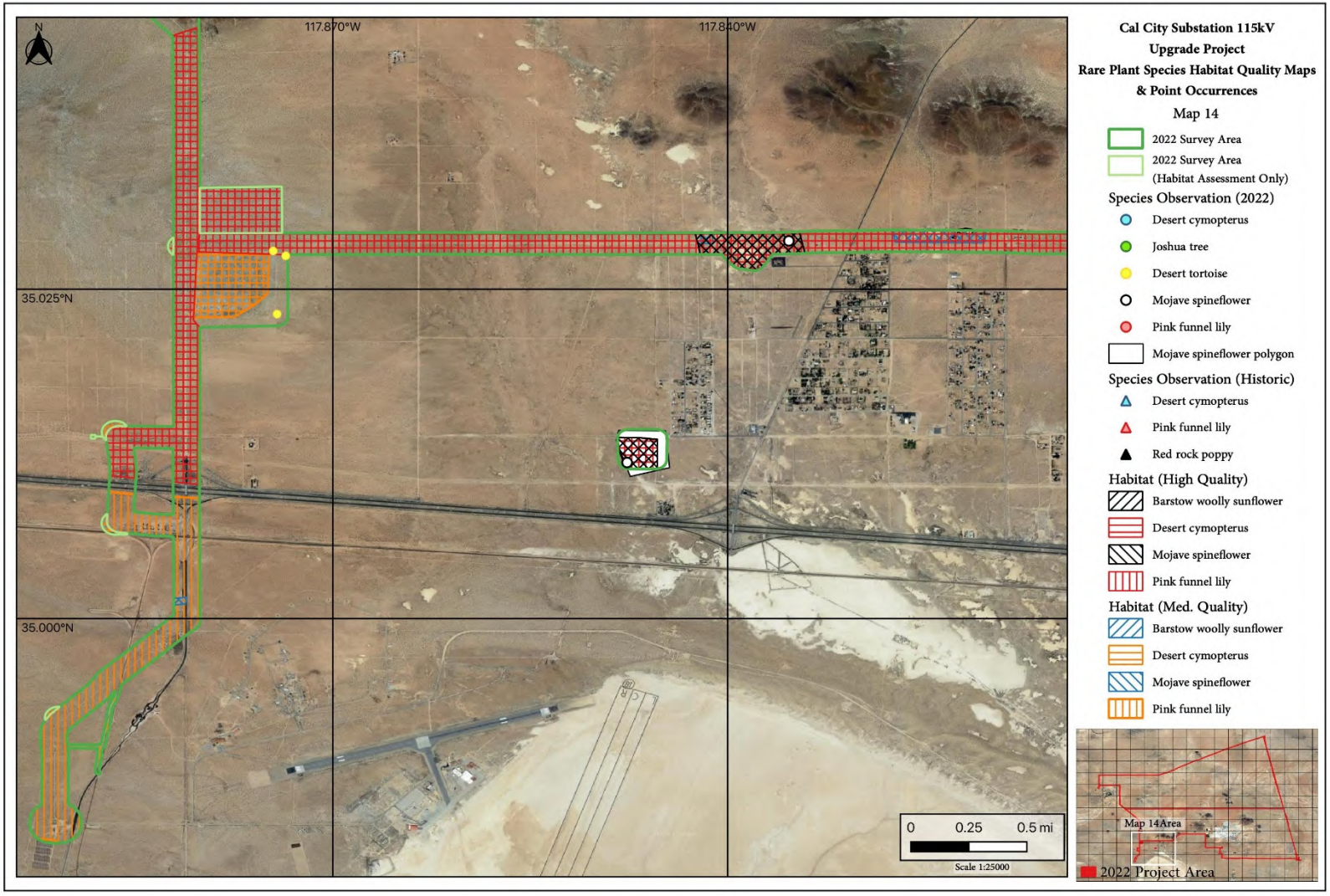
Mojave spineflower
Pink funnel lily
Map 13 Area
2022 Project Area


N
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117.840°W
35.025°N
35.000°N
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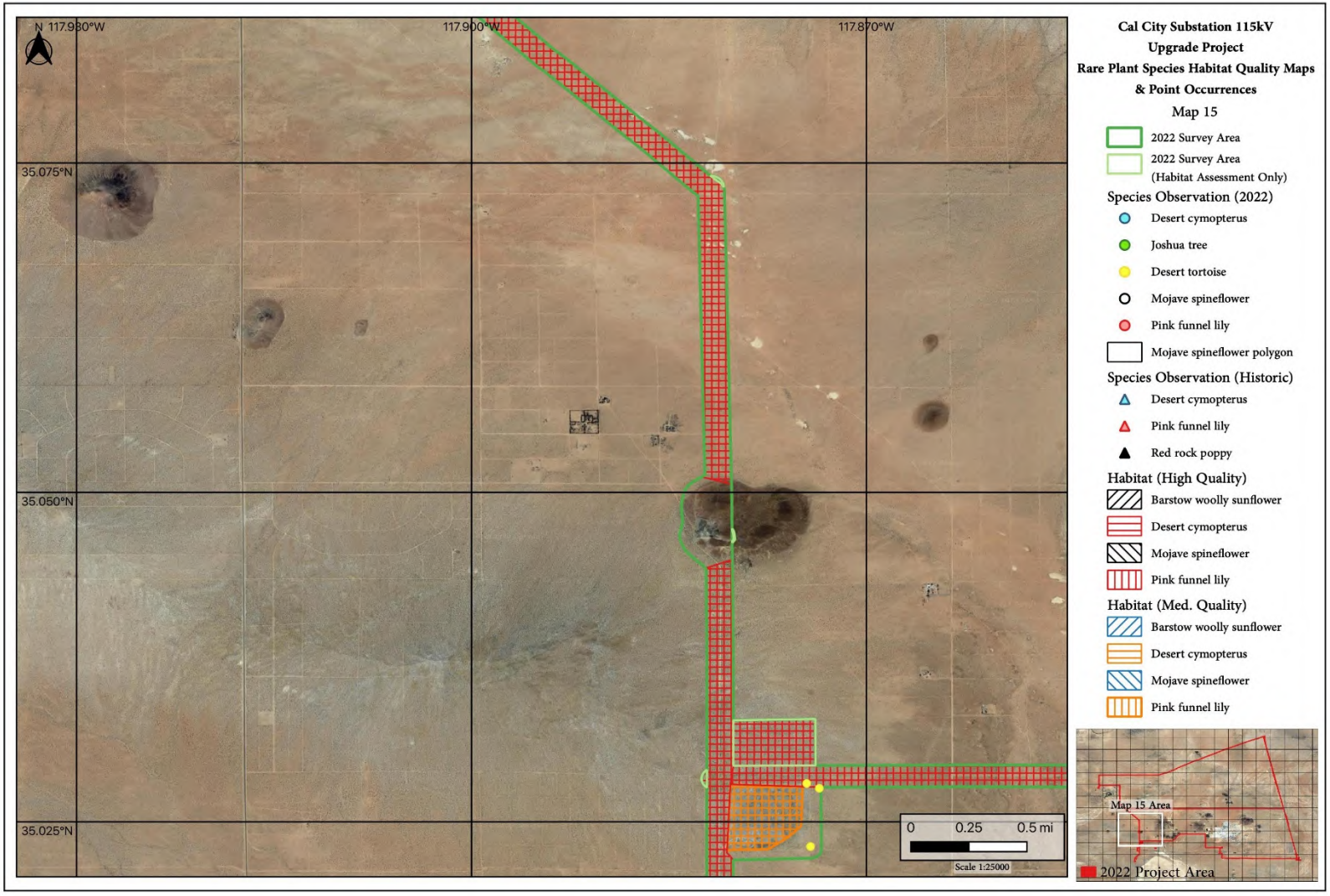
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 14
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 14Area
2022 Project Area


N
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117.870°W
35.075°N
35.050°N
35.025°N
0
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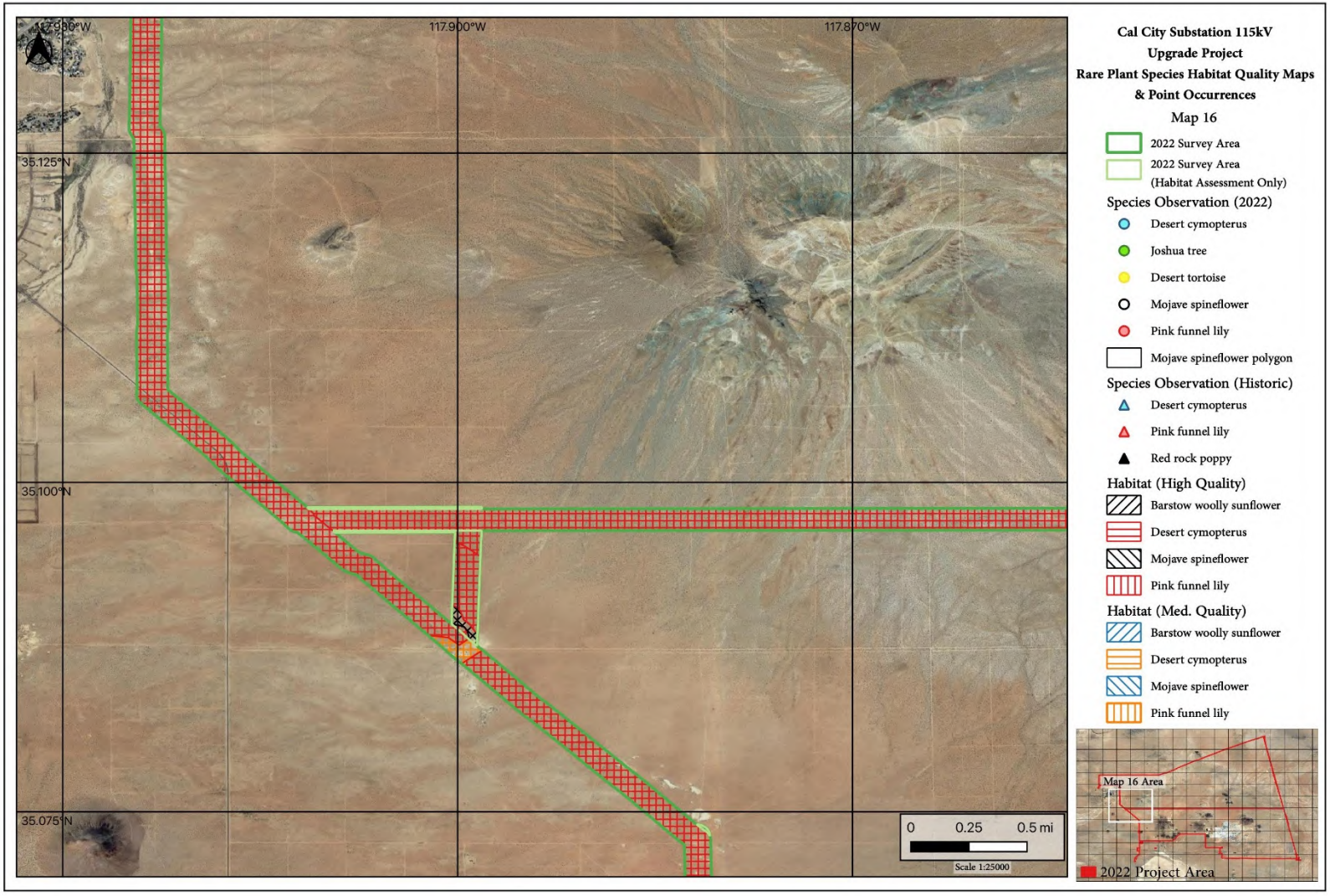
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 15
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 15 Area
2022 Project Area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117.870°W
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35.100°N
35.075°N
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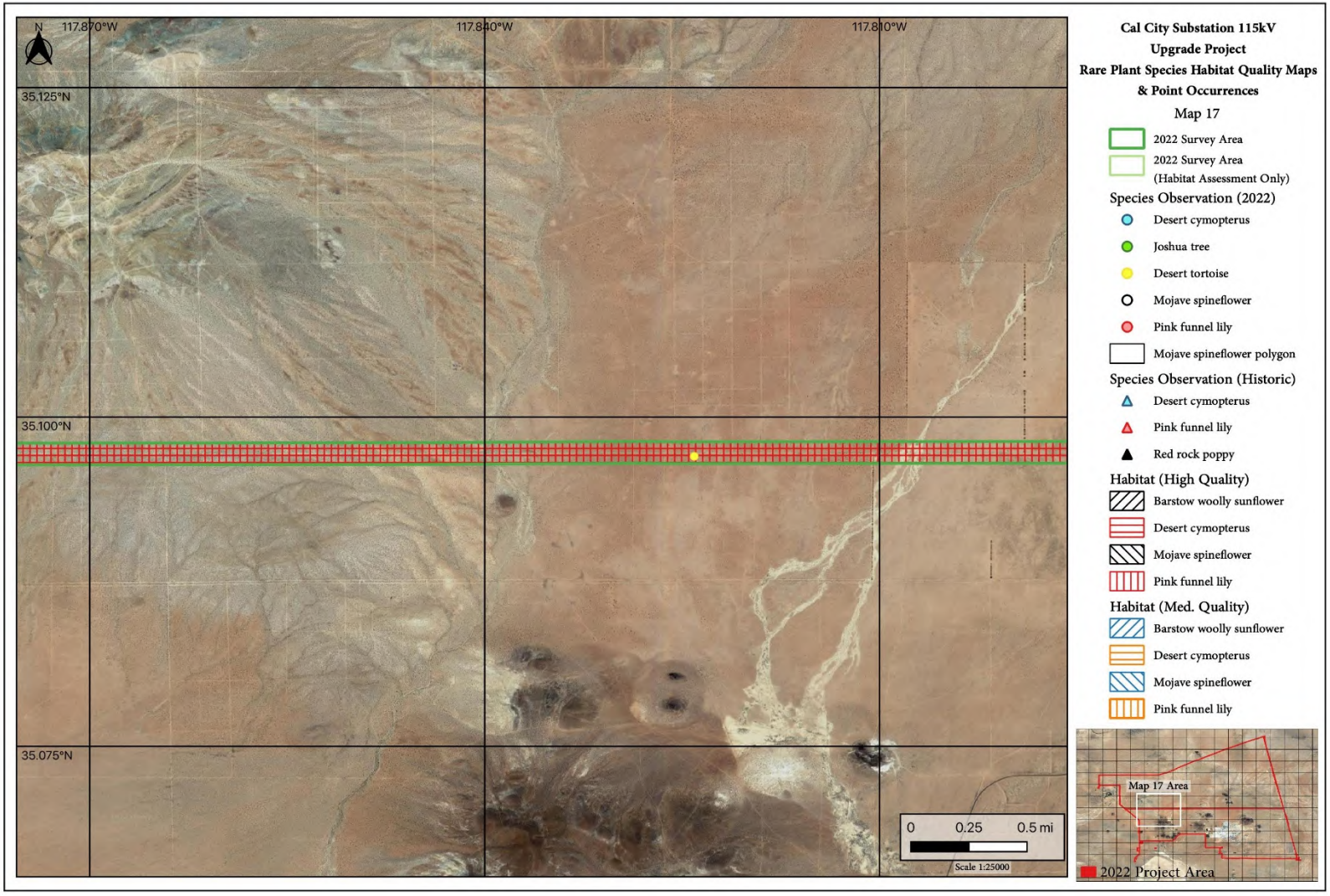
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 16
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 16 Area
2022 Project Area


N
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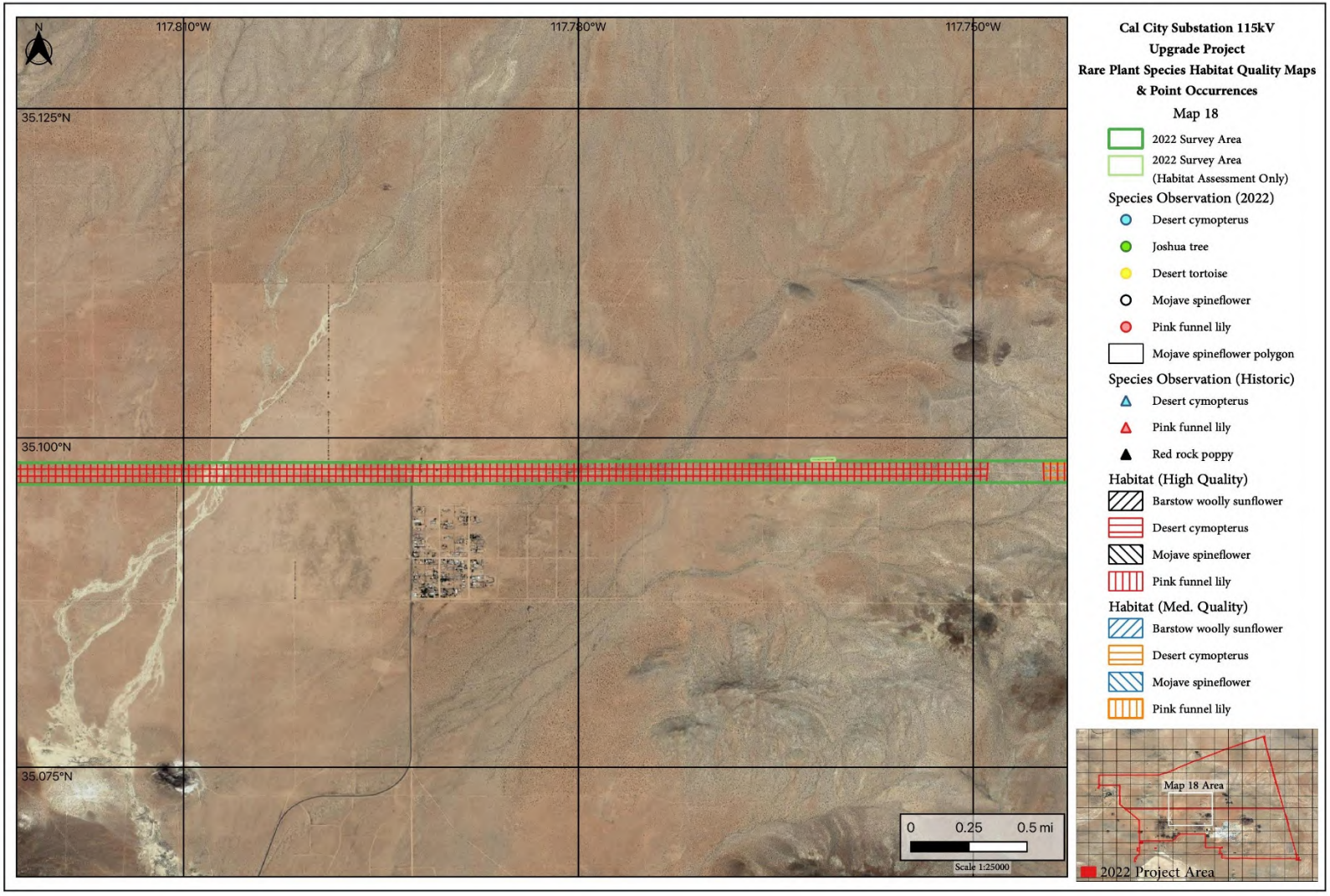
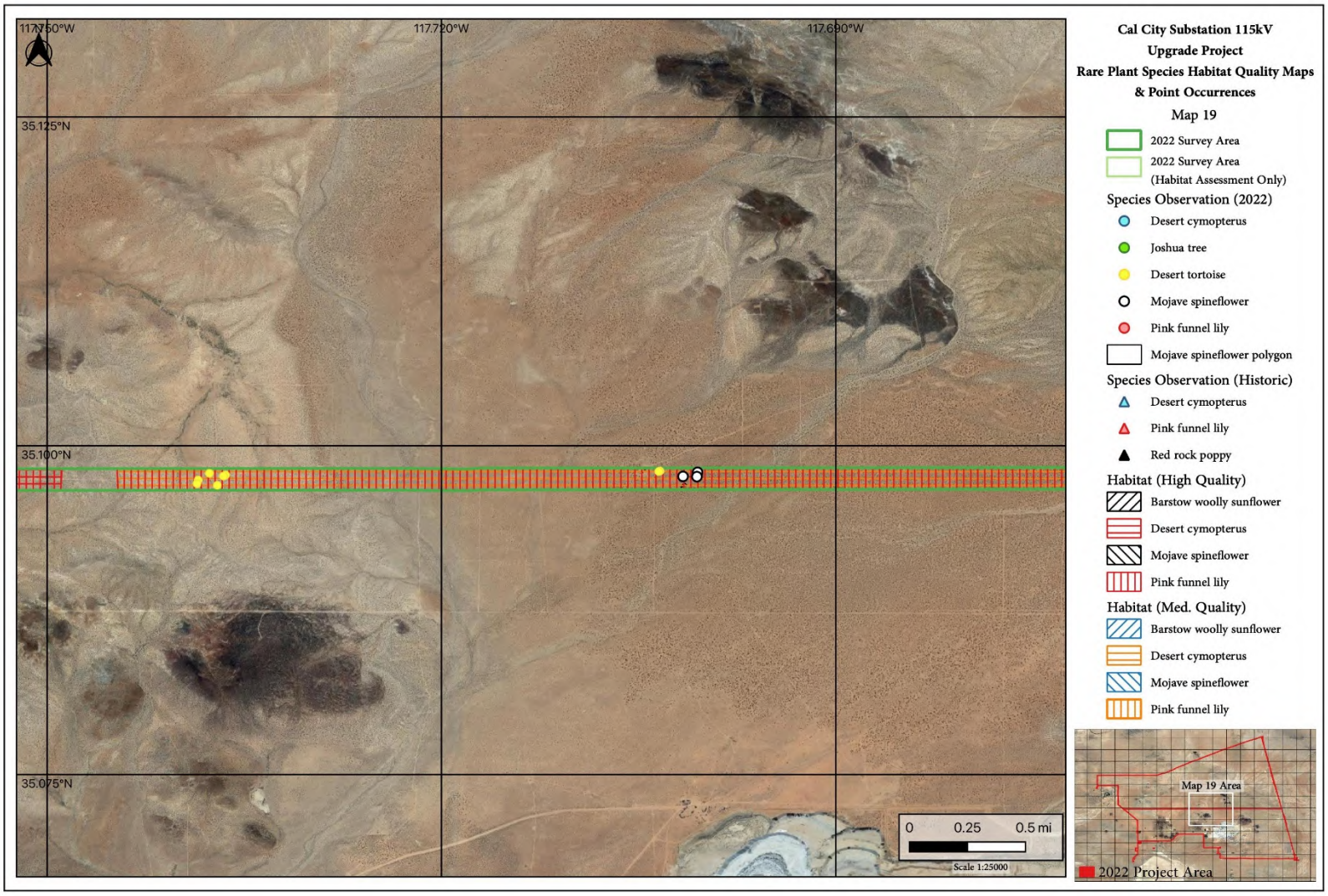
117.840°W
117.810°W
35.125°N
35.100°N
35.075°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 17
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 17 Area
2022 Project Area


N
117.810°W
117.780°W
117.750°W
35.125°N
35.100°N
35.075°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 18
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 18 Area
2022 Project Area


117.750°W
117.720°W
117.690°W
35.125°N
35.100°N
35.075°N
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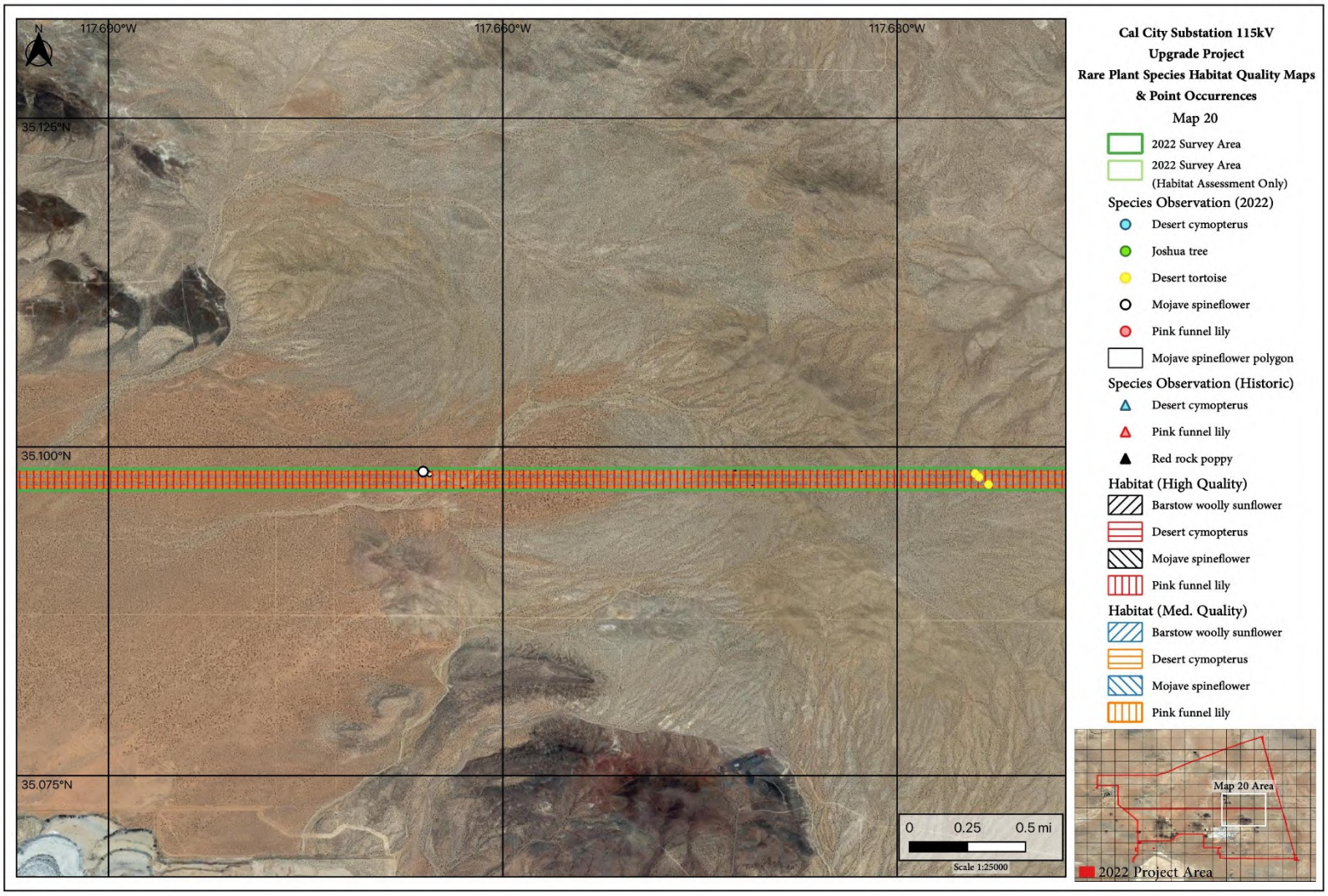
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 19
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 19 Area
2022 Project Area

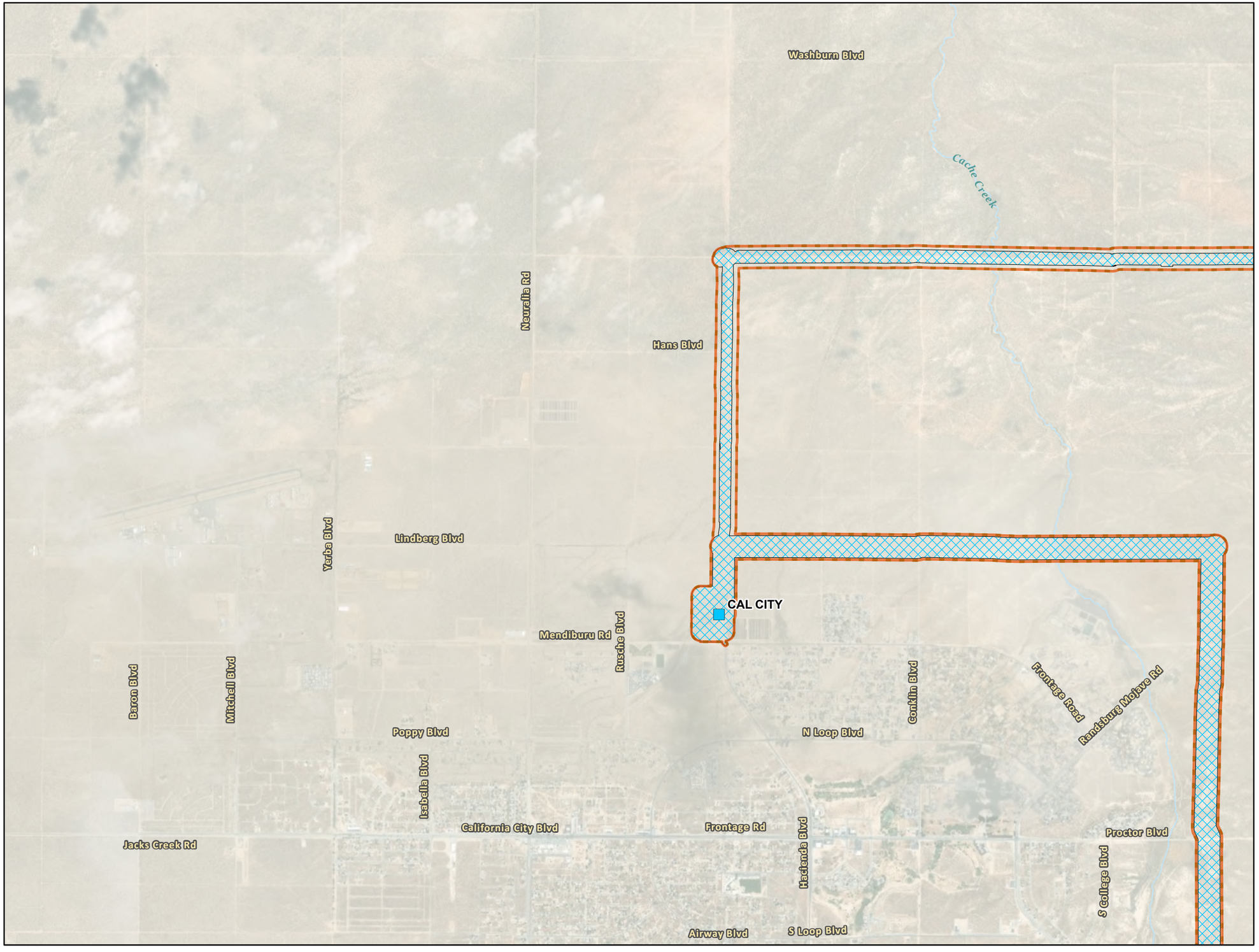

N
117.690°W
117.660°W
117.630°W
35.125°N
35.100°N
35.075°N
0
0.25
0.5 mi
Scale 1:25000
Cal City Substation 115kV
Upgrade Project
Rare Plant Species Habitat Quality Maps
& Point Occurrences
Map 20
2022 Survey Area
2022 Survey Area
(Habitat Assessment Only)
Species Observation (2022)
Desert cymopterus
Joshua tree
Desert tortoise
Mojave spineflower
Pink funnel lily
Mojave spineflower polygon
Species Observation (Historic)
Desert cymopterus
Pink funnel lily
Red rock poppy
Habitat (High Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Habitat (Med. Quality)
Barstow woolly sunflower
Desert cymopterus
Mojave spineflower
Pink funnel lily
Map 20 Area
2022 Project Area

Appendix G

Study Area

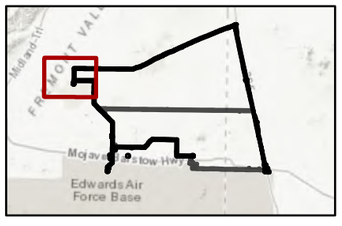
Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area



- Existing Substation
- Habitat Study Area
- Vegetation Study Area
- Aquatic Study Area

0 0.25 0.5 Miles



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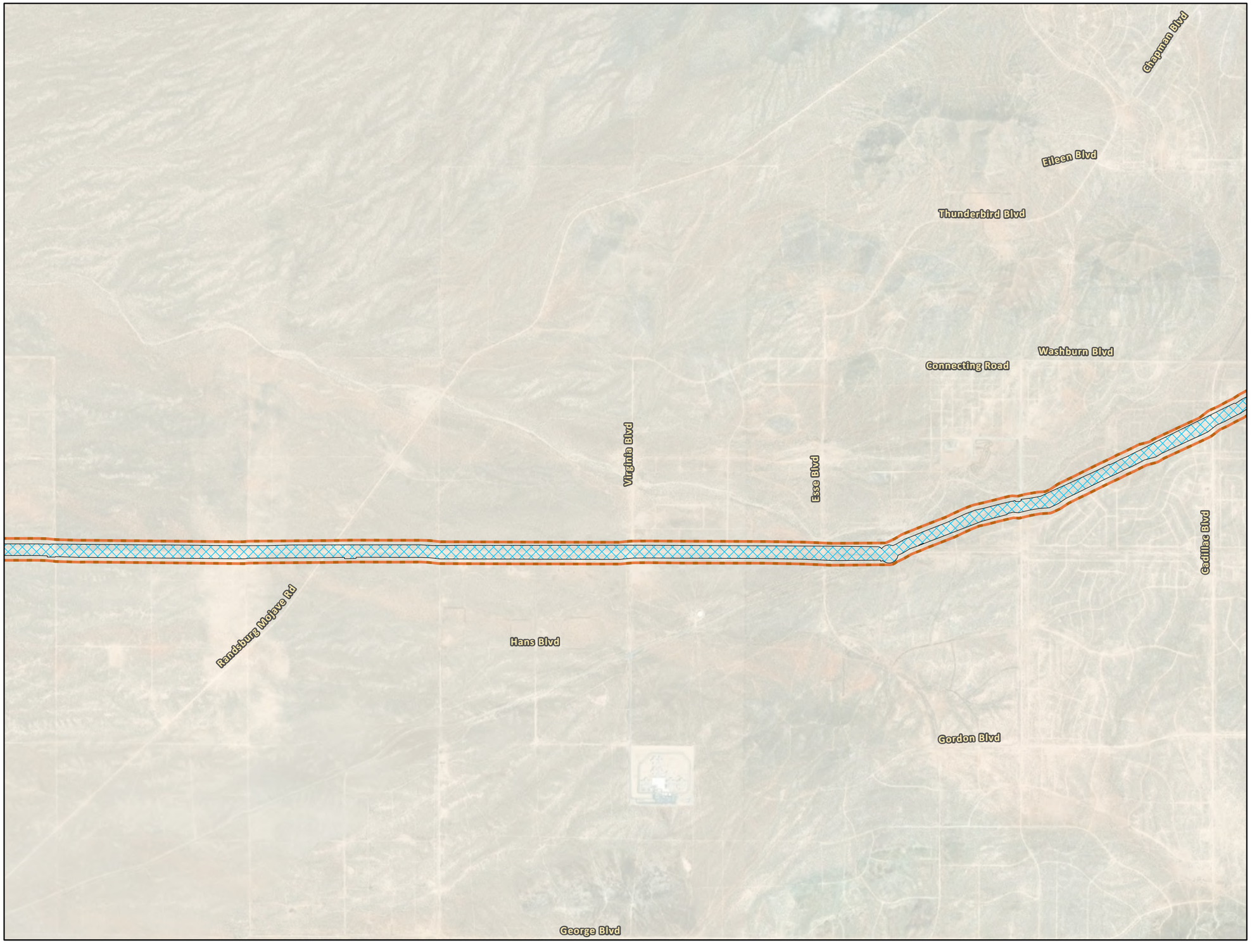
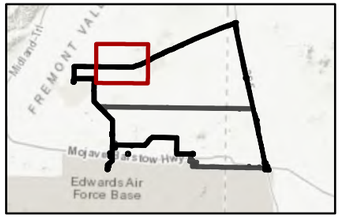
Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area

Habitat Study Area
Vegetation Study Area
Aquatic Study Area



0 0.25 0.5 Miles



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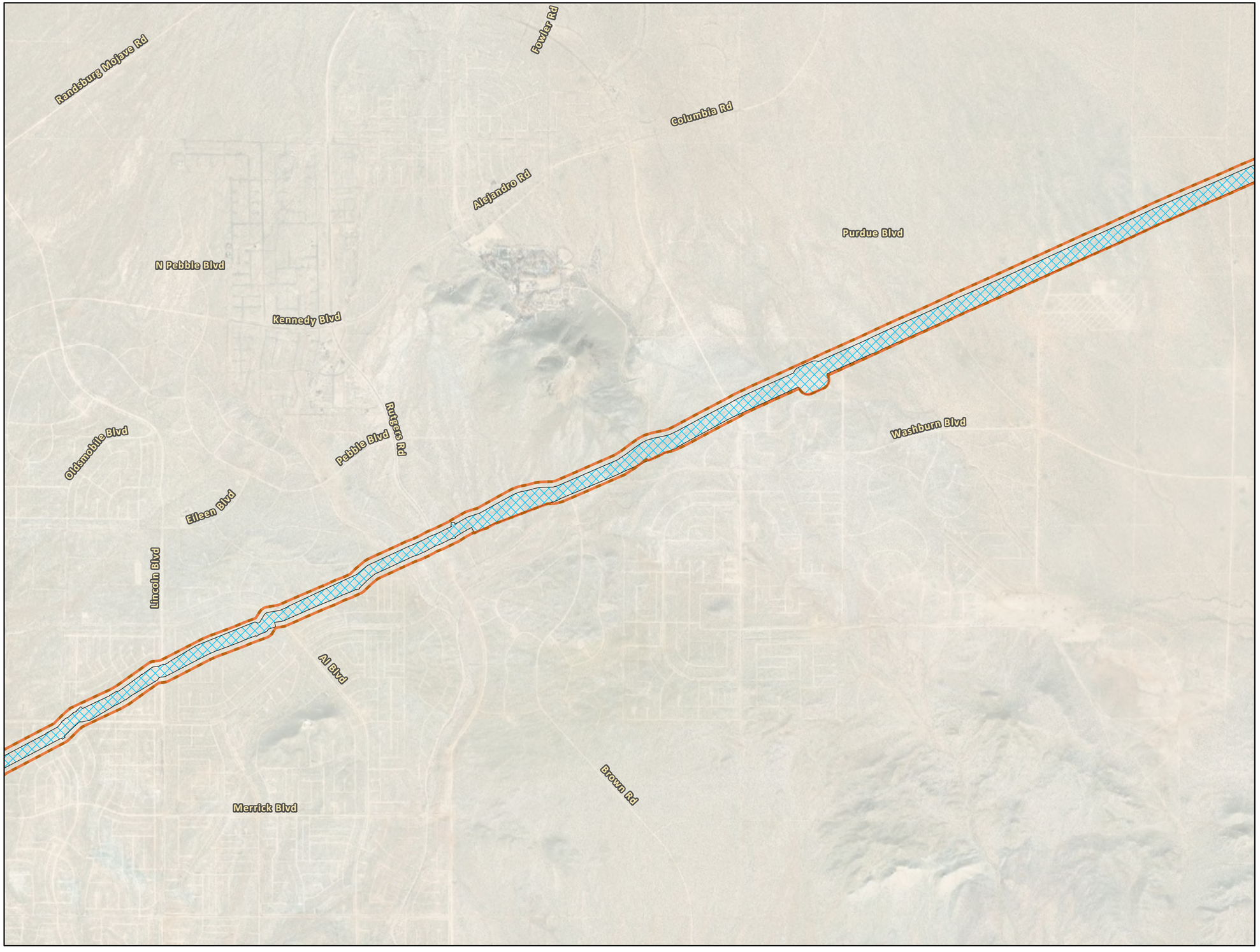
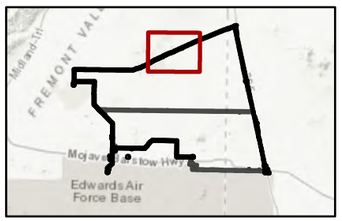
Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area
Page 3 of 13



Habitat Study Area
Vegetation Study Area
Aquatic Study Area

0 0.25 0.5 Miles



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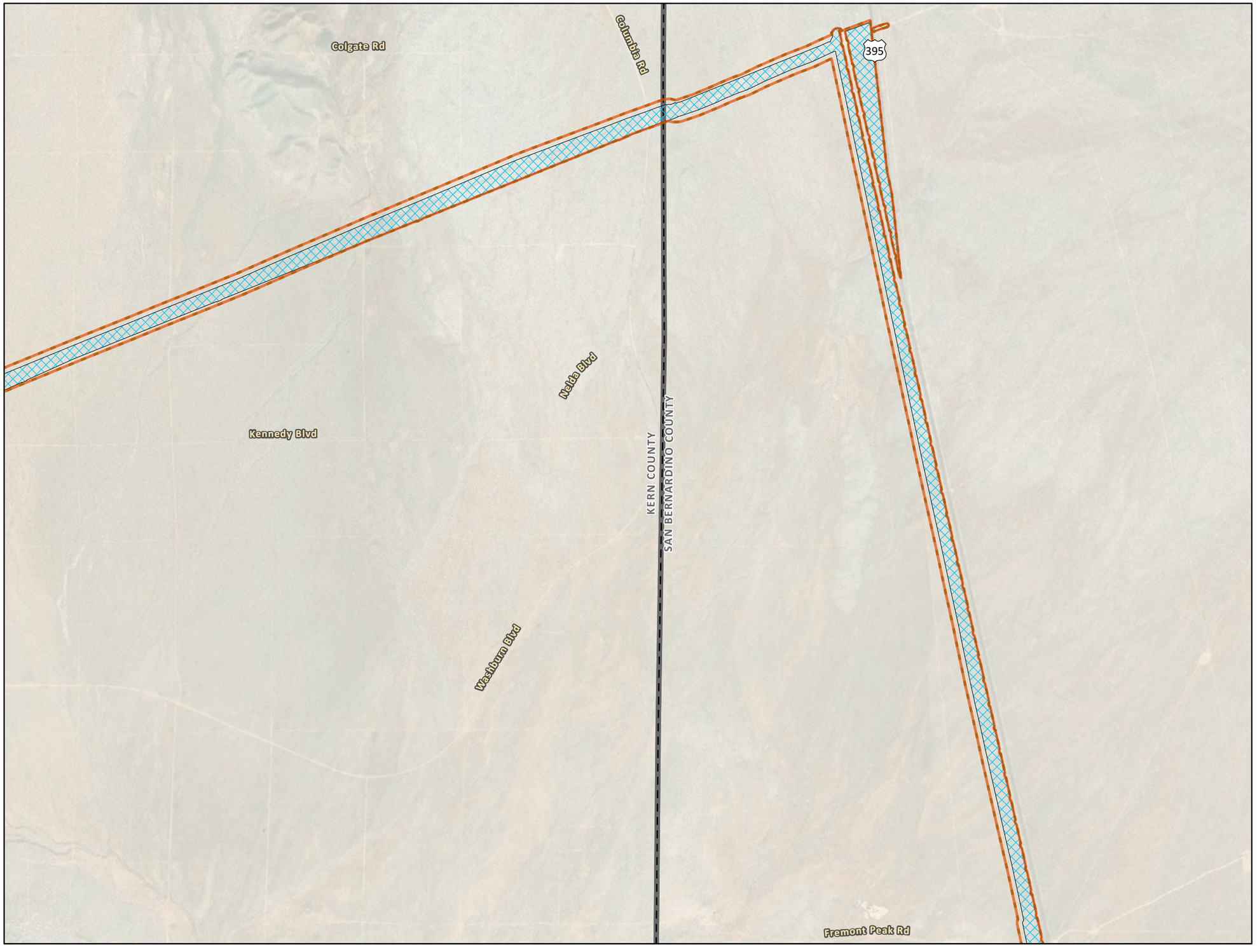
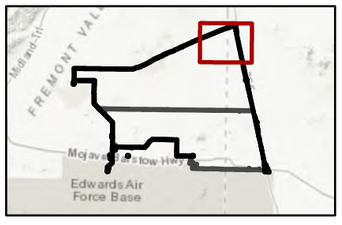
Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area



- Habitat Study Area
- Vegetation Study Area
- Aquatic Study Area

0 0.25 0.5 Miles



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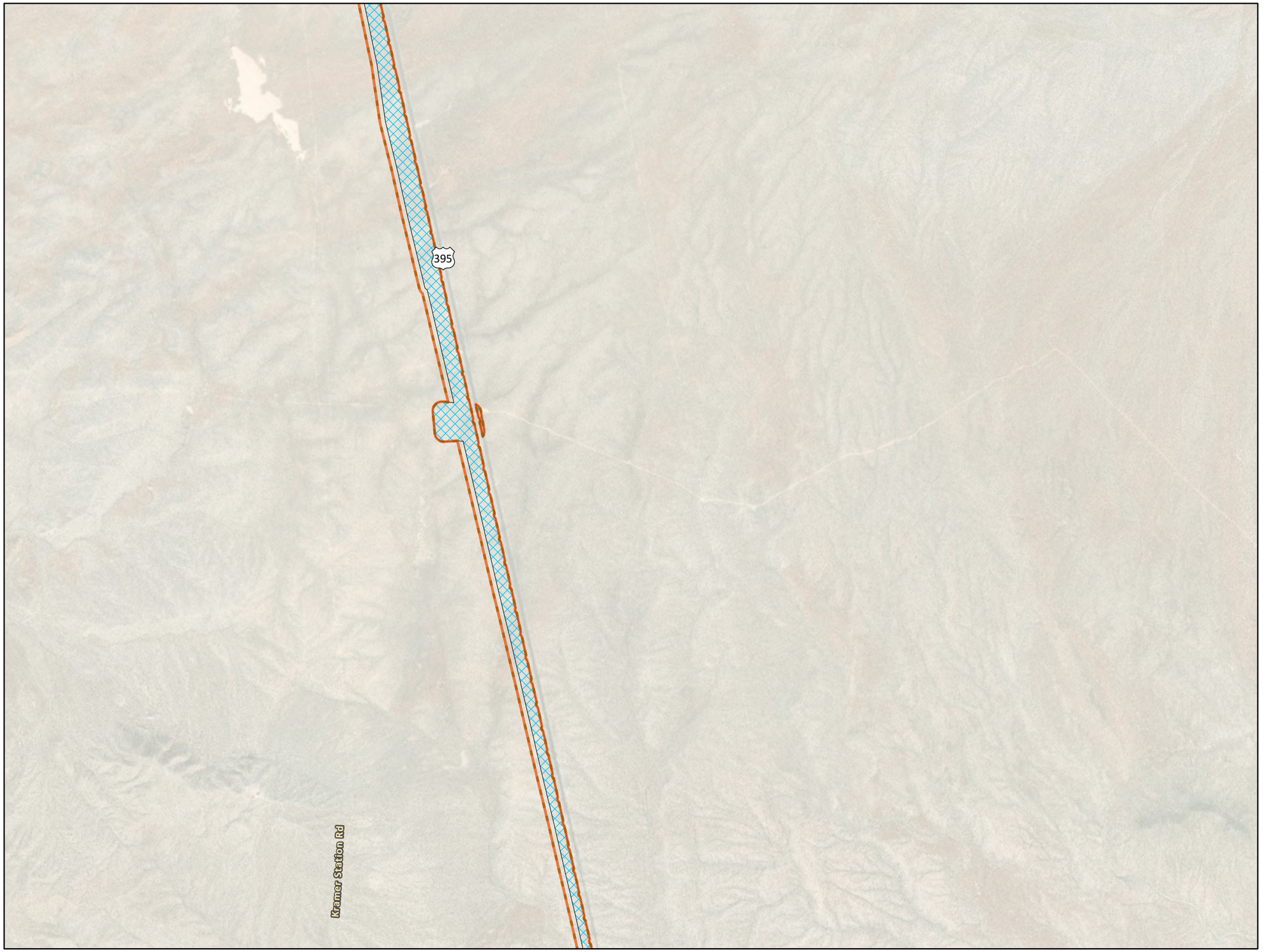
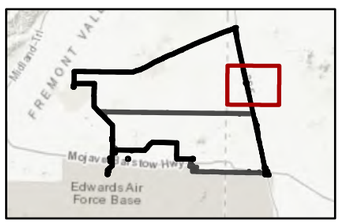
Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area



Habitat Study Area
Vegetation Study Area
Aquatic Study Area

0 0.25 0.5
Miles



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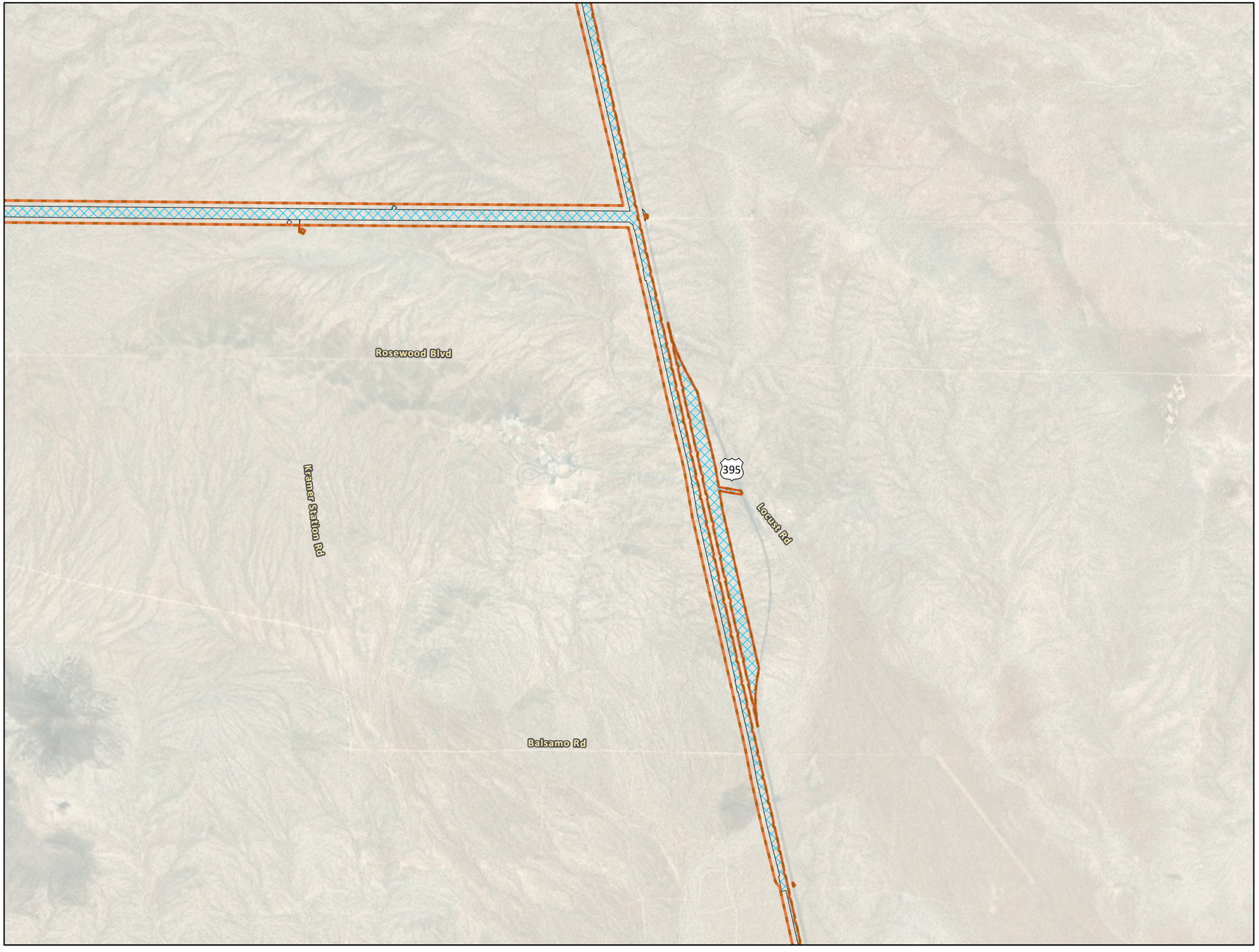
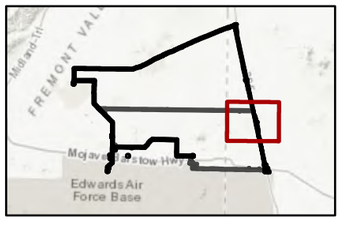
Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area



Habitat Study Area
Vegetation Study Area
Aquatic Study Area

0 0.25 0.5 Miles



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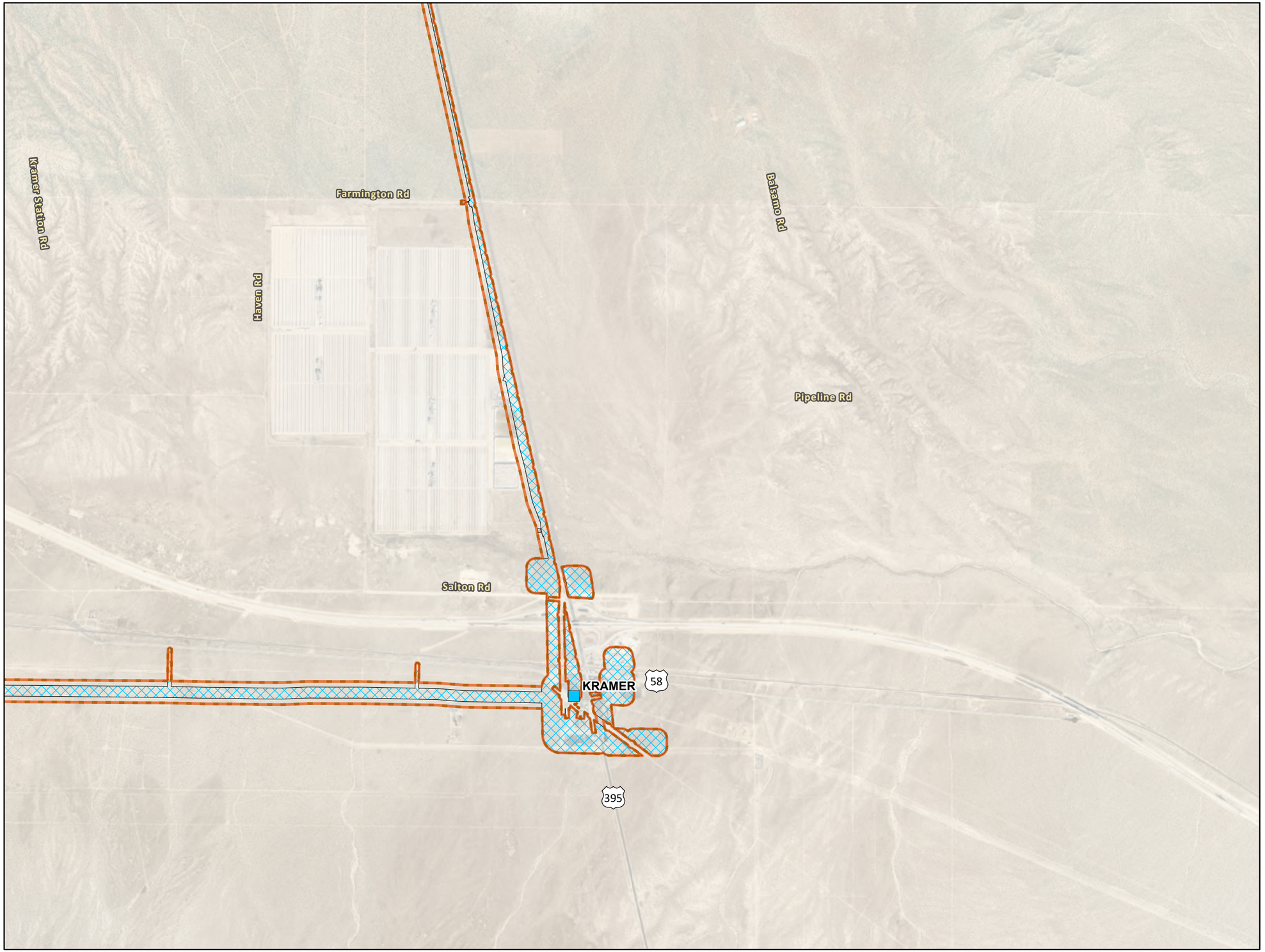
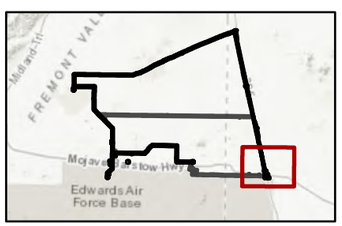
Study Area



- Existing Substation
- Habitat Study Area
- Vegetation Study Area
- Aquatic Study Area

0 0.25 0.5 Miles



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Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area
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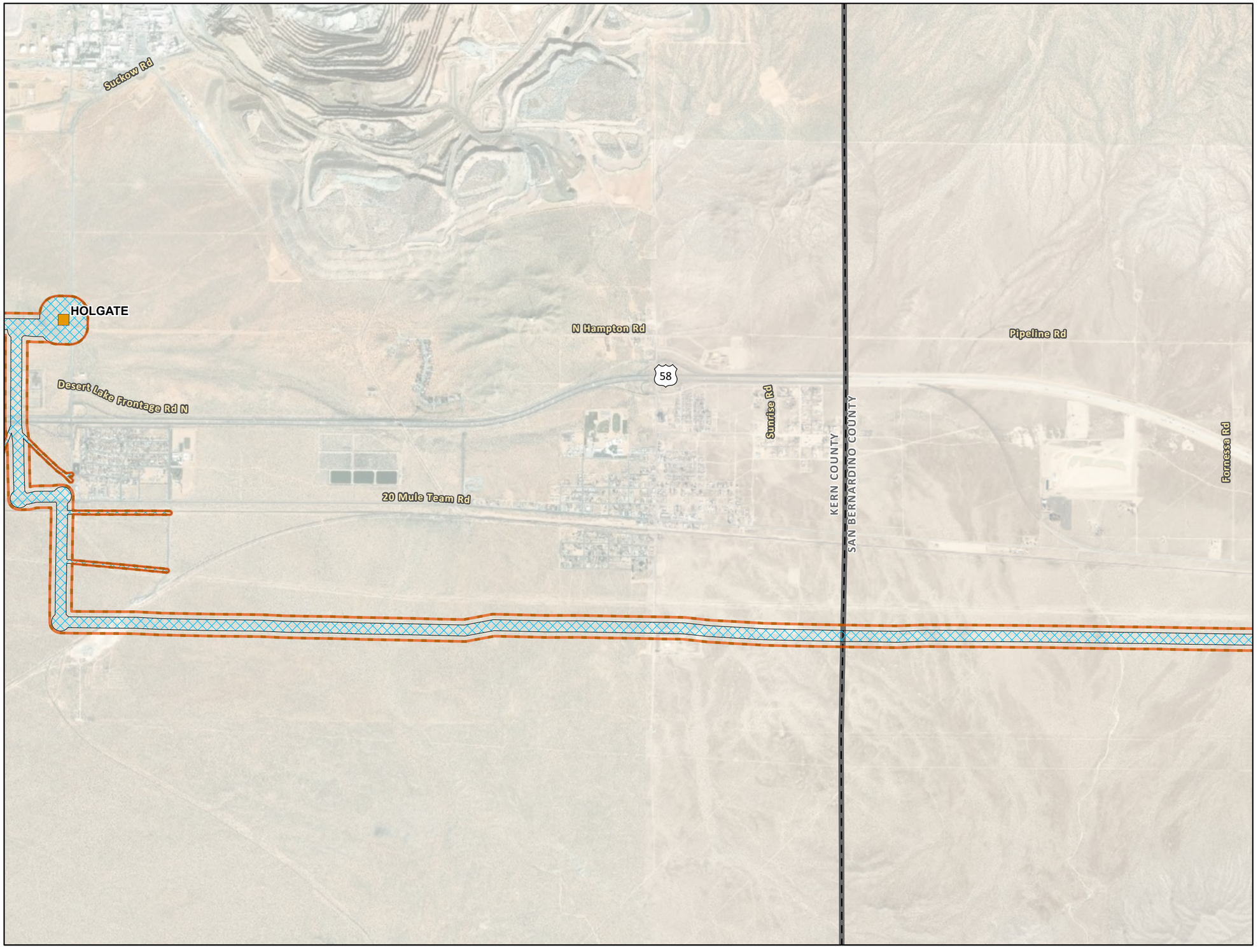
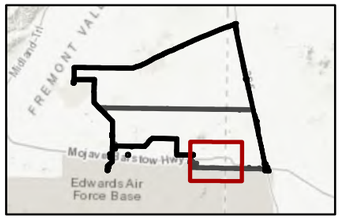


- Existing Switchyard
- Habitat Study Area
- Vegetation Study Area
- Aquatic Study Area

0 0.25 0.5 Miles



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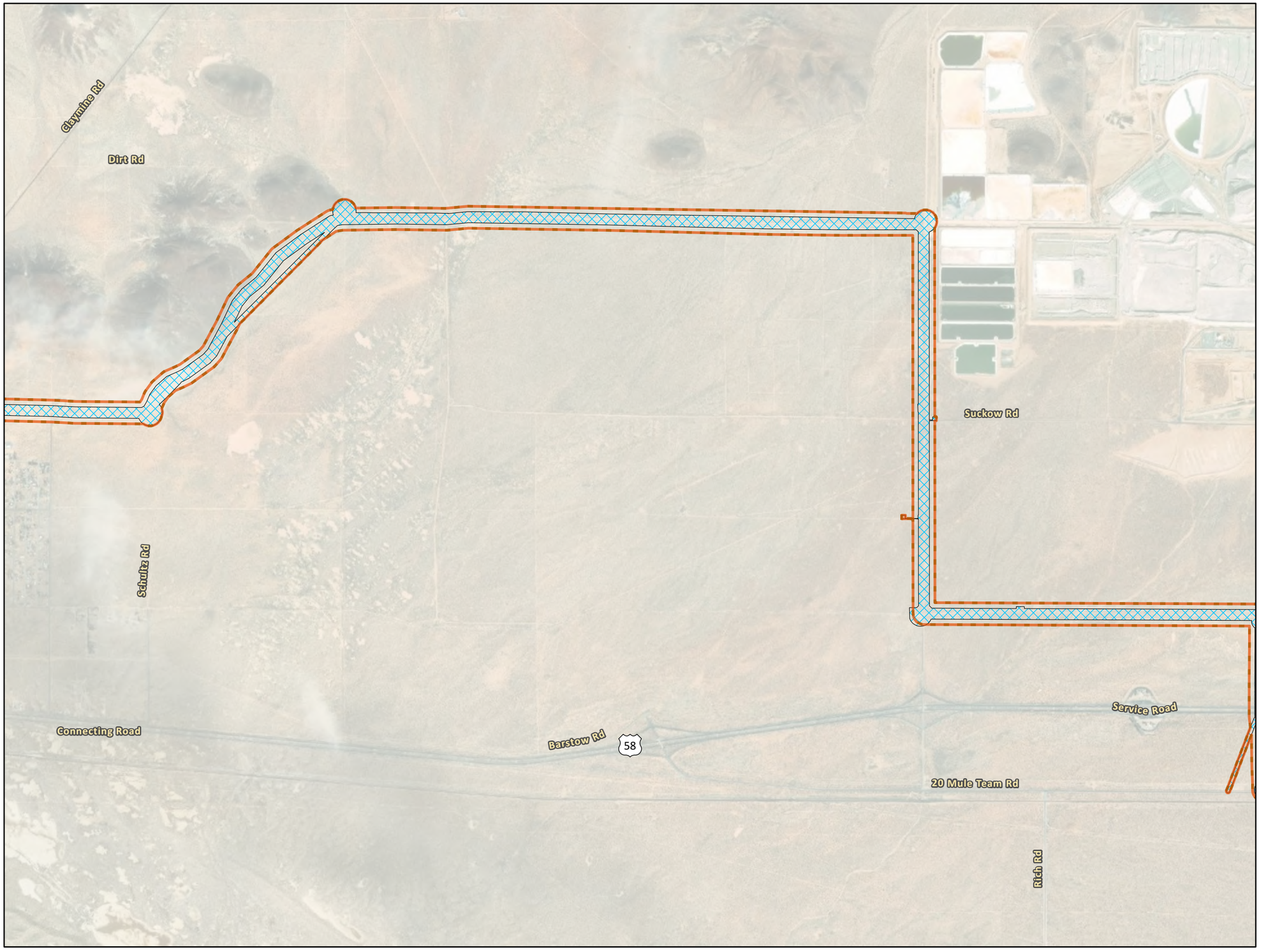
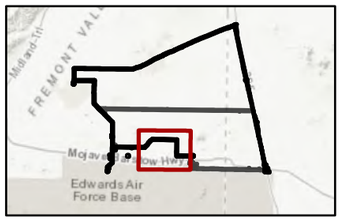
Appendix G
Study Area



Habitat Study Area
Vegetation Study Area
Aquatic Study Area

0 0.25 0.5 Miles



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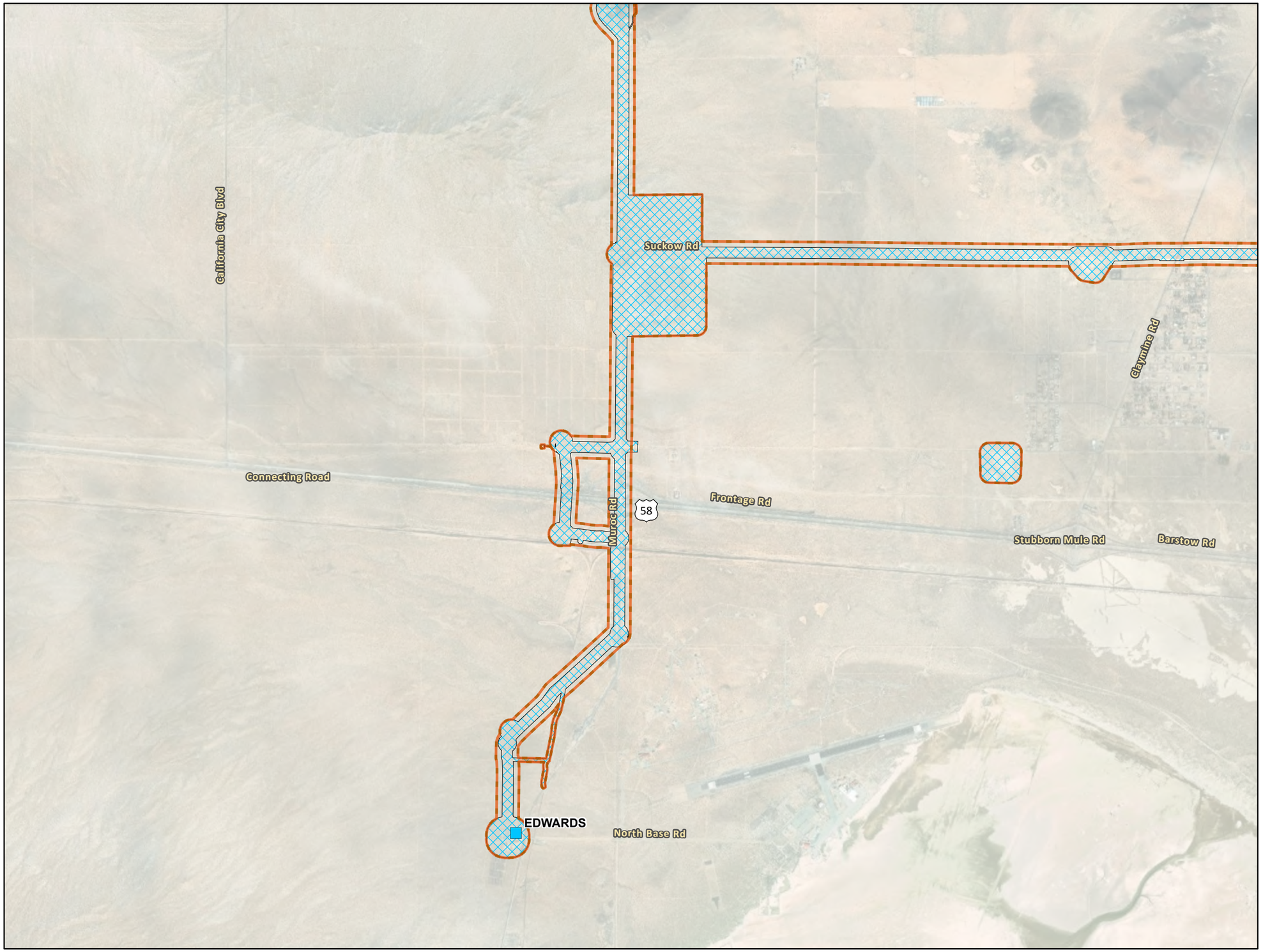
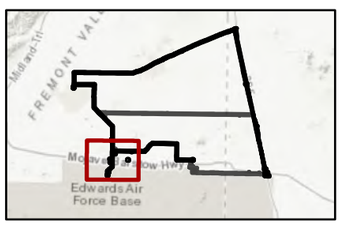
Appendix G
Study Area



- Existing Substation
- Habitat Study Area
- Vegetation Study Area
- Aquatic Study Area

0 0.25 0.5 Miles



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Appendix G
Study Area
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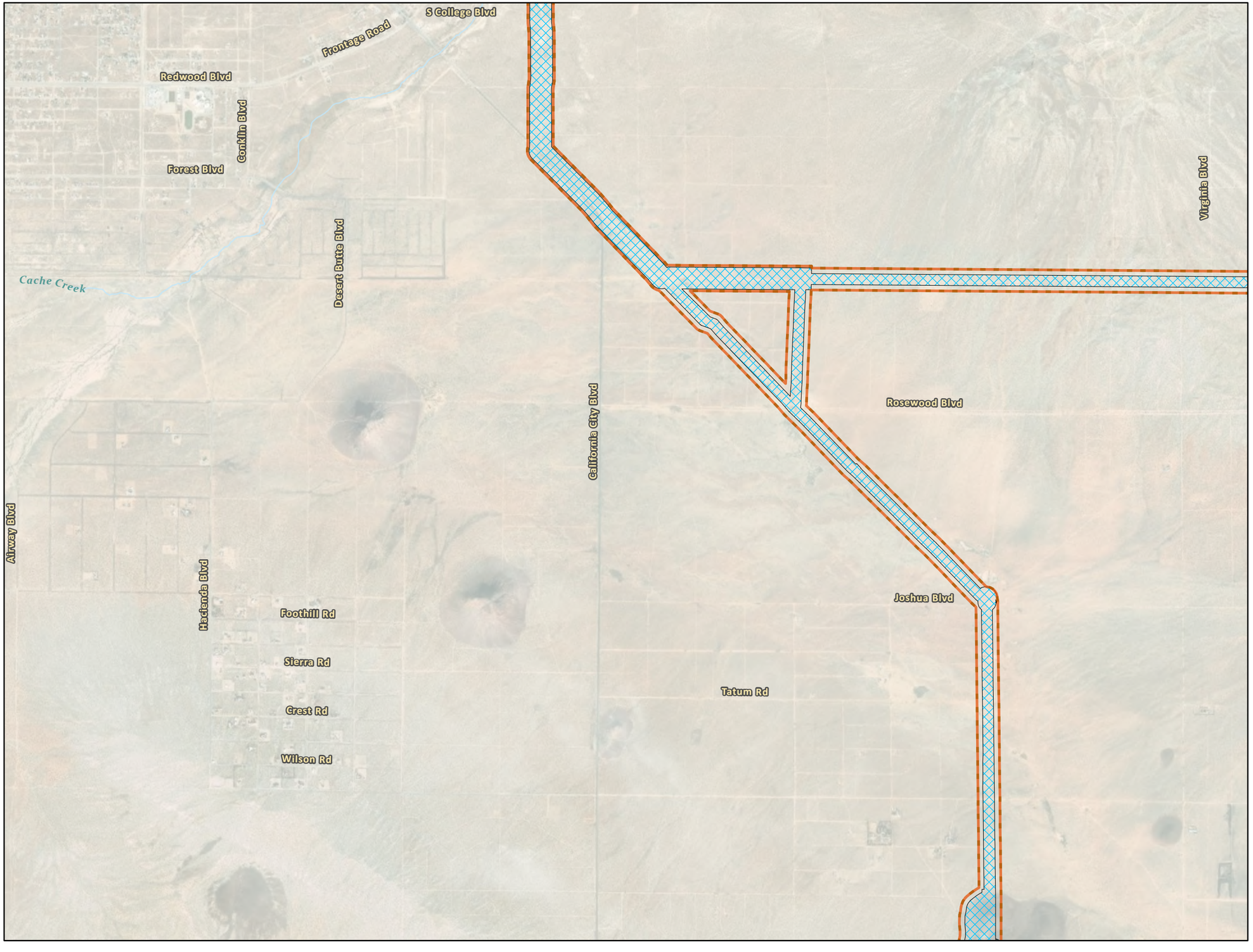
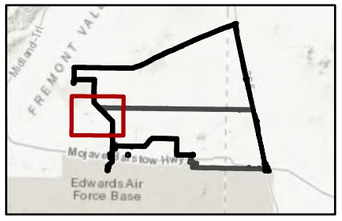


- Habitat Study Area
- Vegetation Study Area
- Aquatic Study Area

0 0.25 0.5 Miles



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Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area
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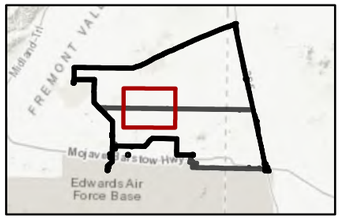
Habitat Study Area
Vegetation Study Area
Aquatic Study Area

0 0.25 0.5 Miles



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Cal City Substation 115 kV Upgrade Project

Appendix G
Study Area
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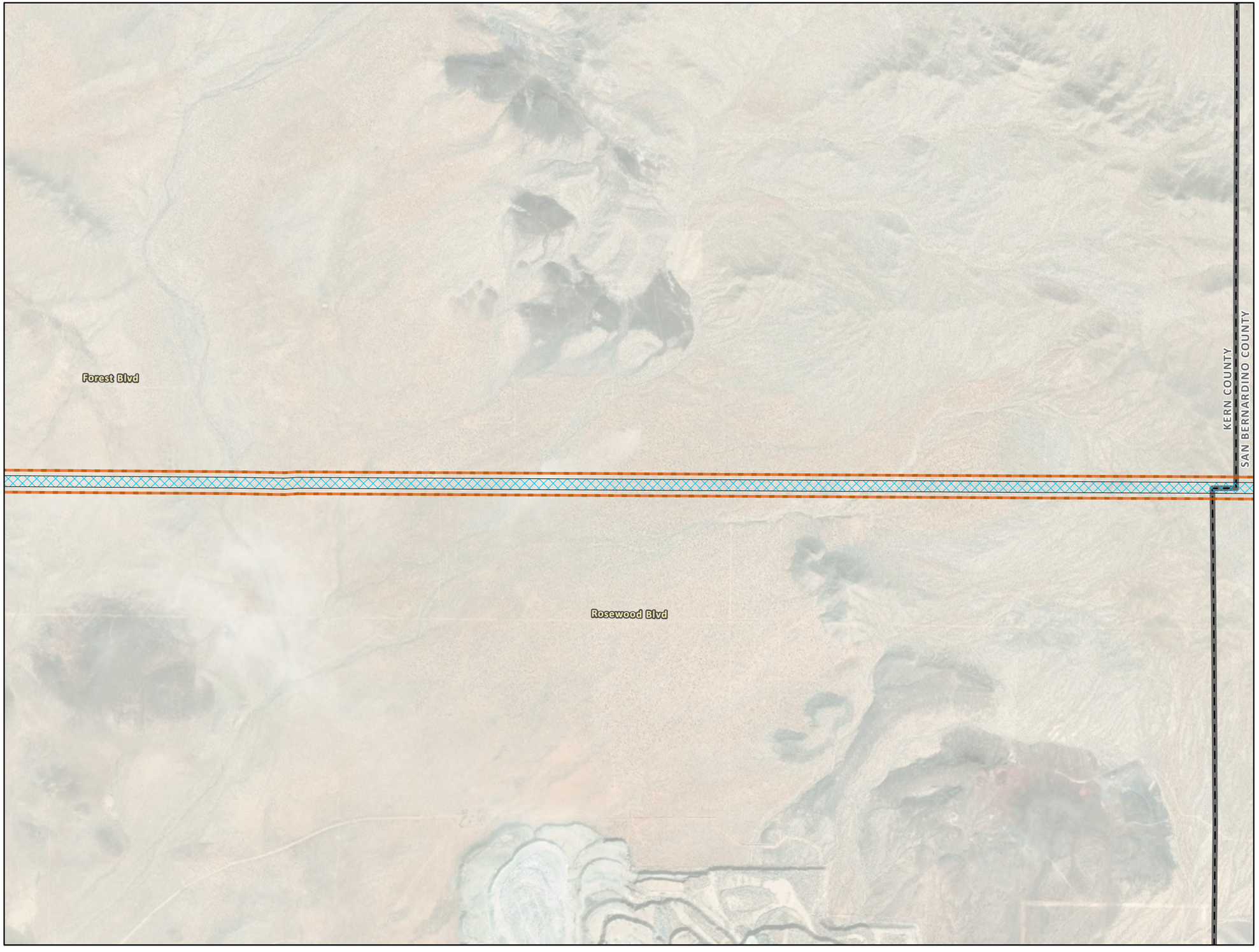
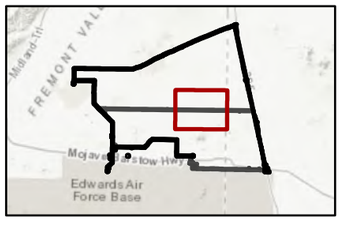


- Habitat Study Area
- Vegetation Study Area
- Aquatic Study Area

0 0.25 0.5 Miles



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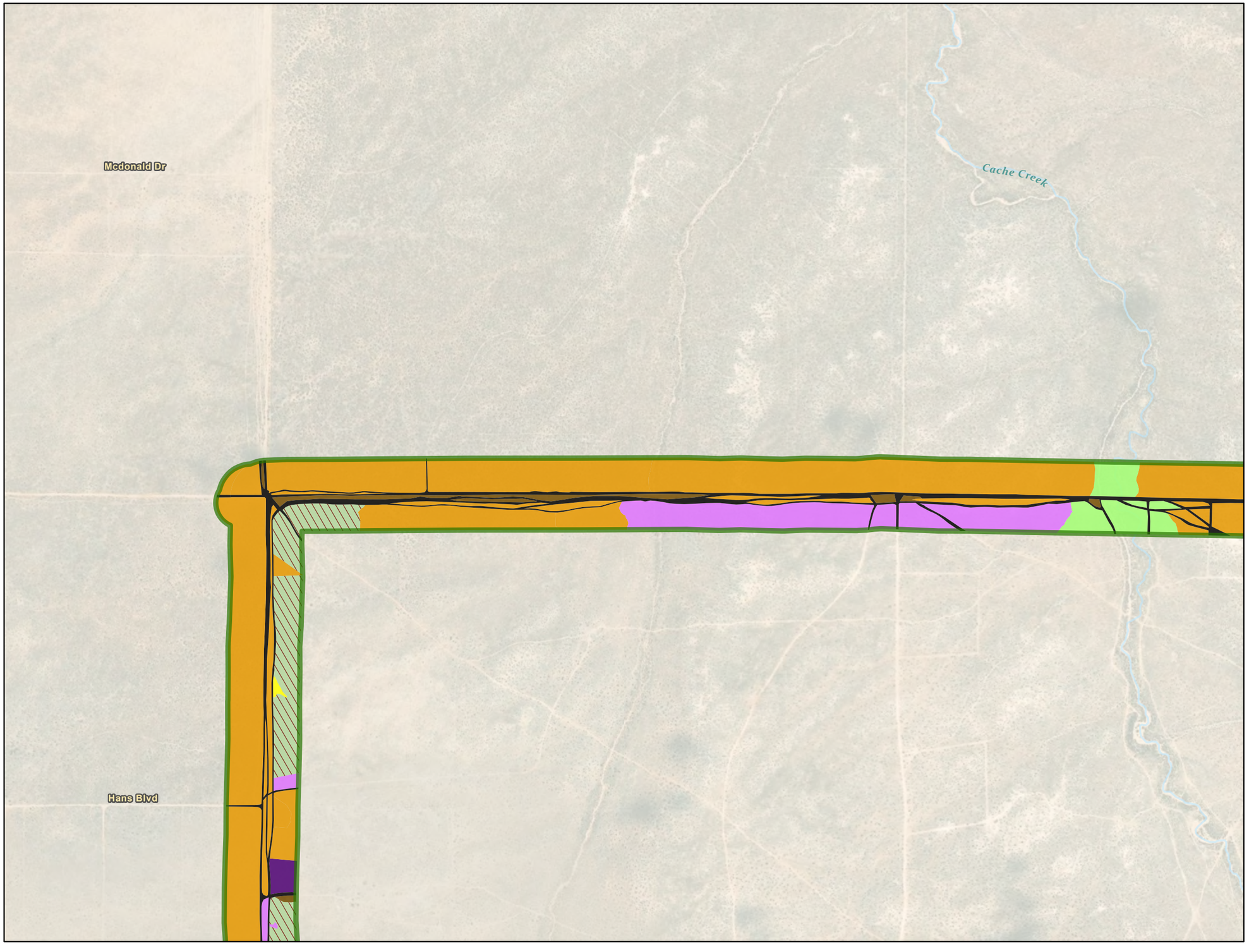
Appendix H

Vegetation Communities

Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

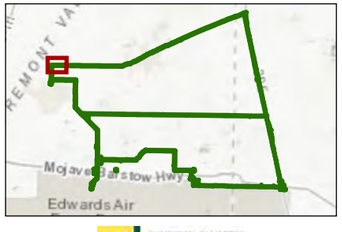


- 2021/2022 Study Area
- Sensitive Communities

Vegetation Communities & Land Cover Types

- Allscale scrub
- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed
- Rubber rabbitbrush scrub
- White bursage scrub

0 400 800 Feet



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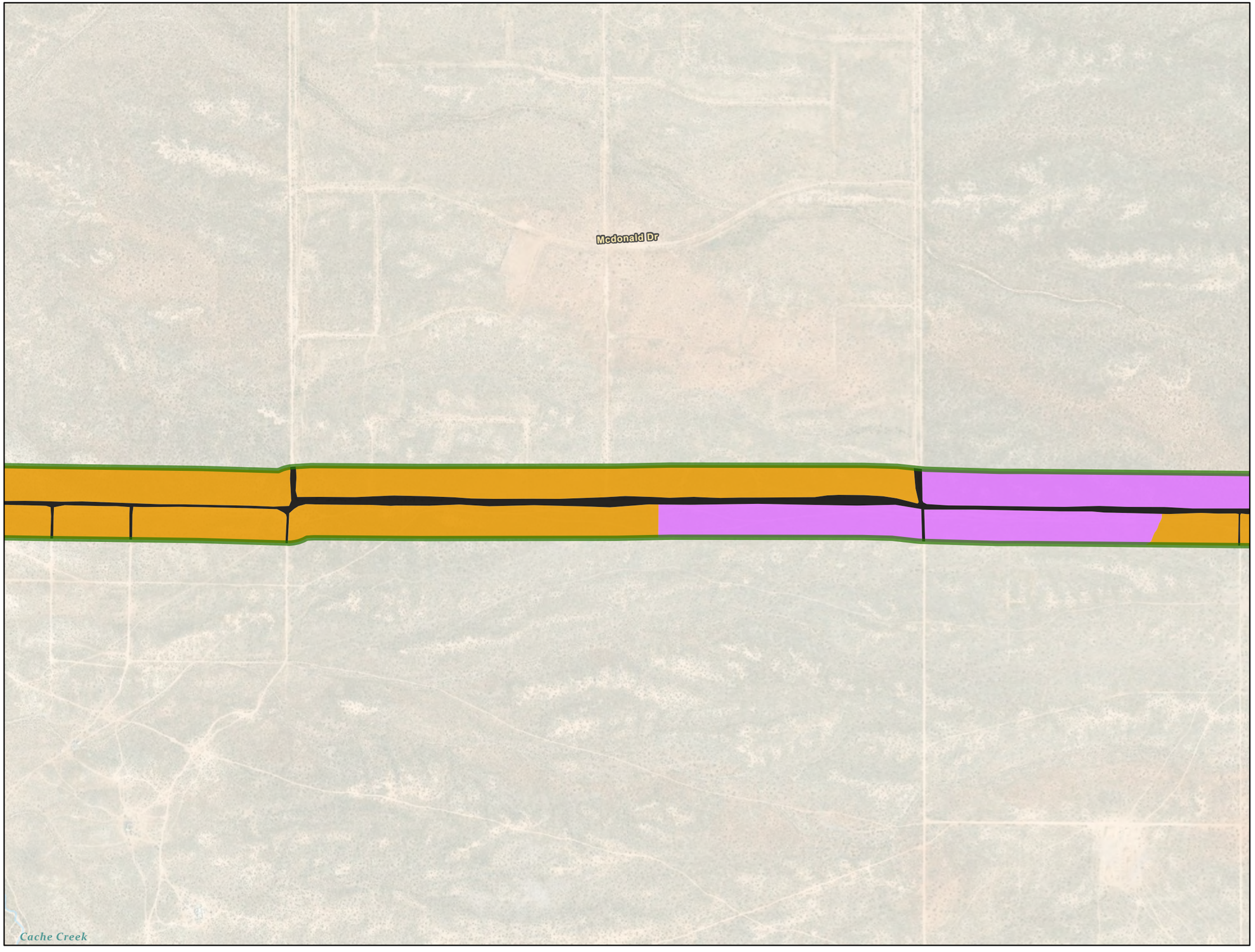
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

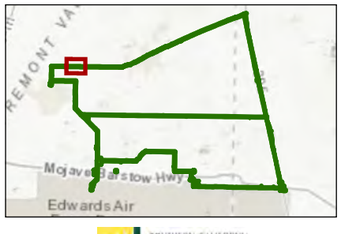


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed

0 400 800 Feet



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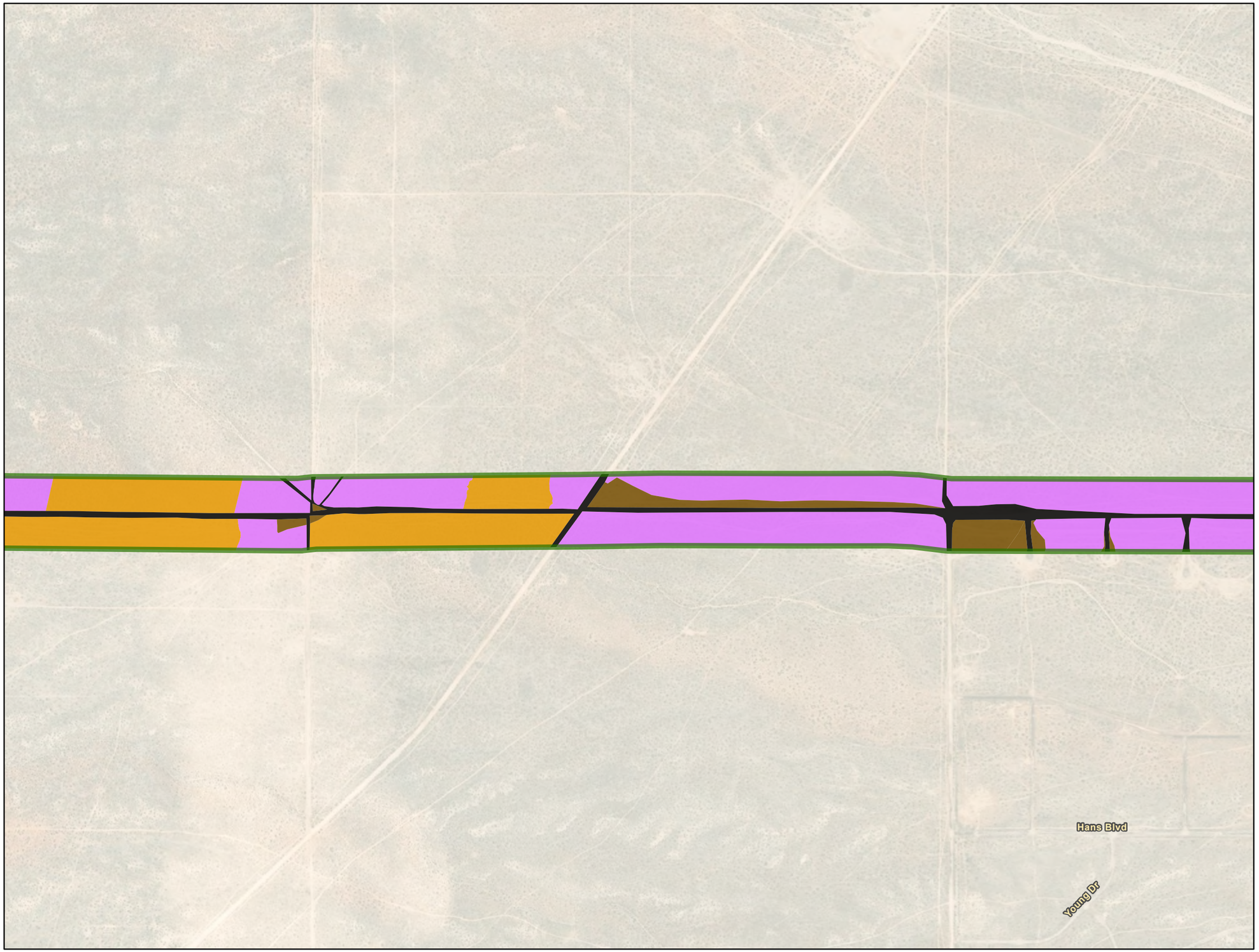
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

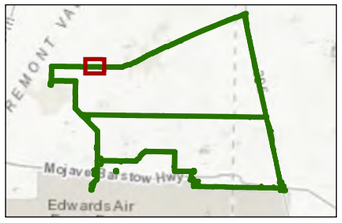


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed

0 400 800 Feet



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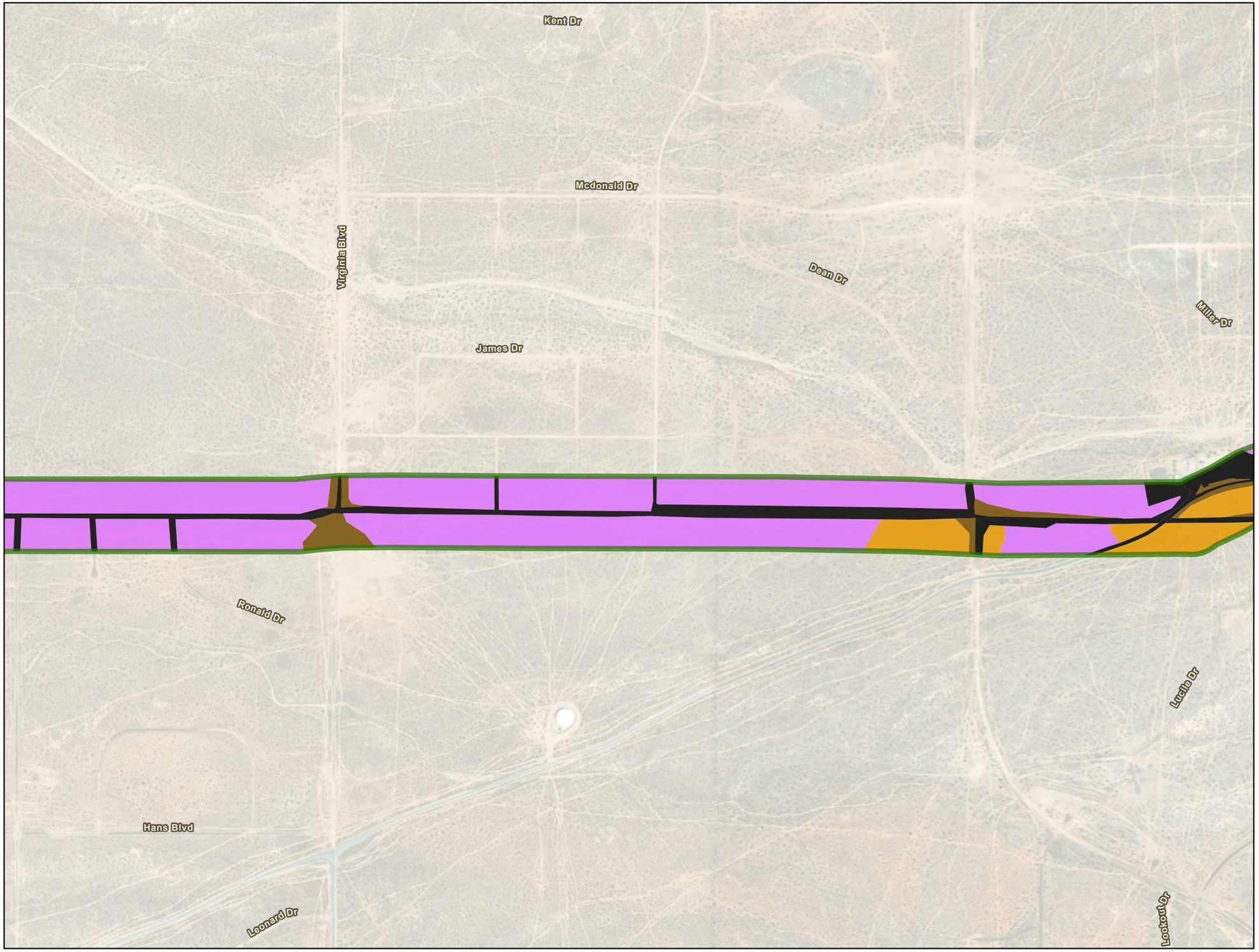
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

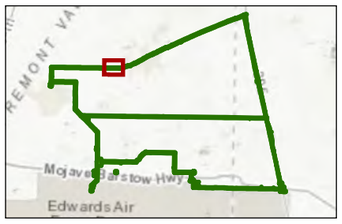


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed

0 400 800 Feet



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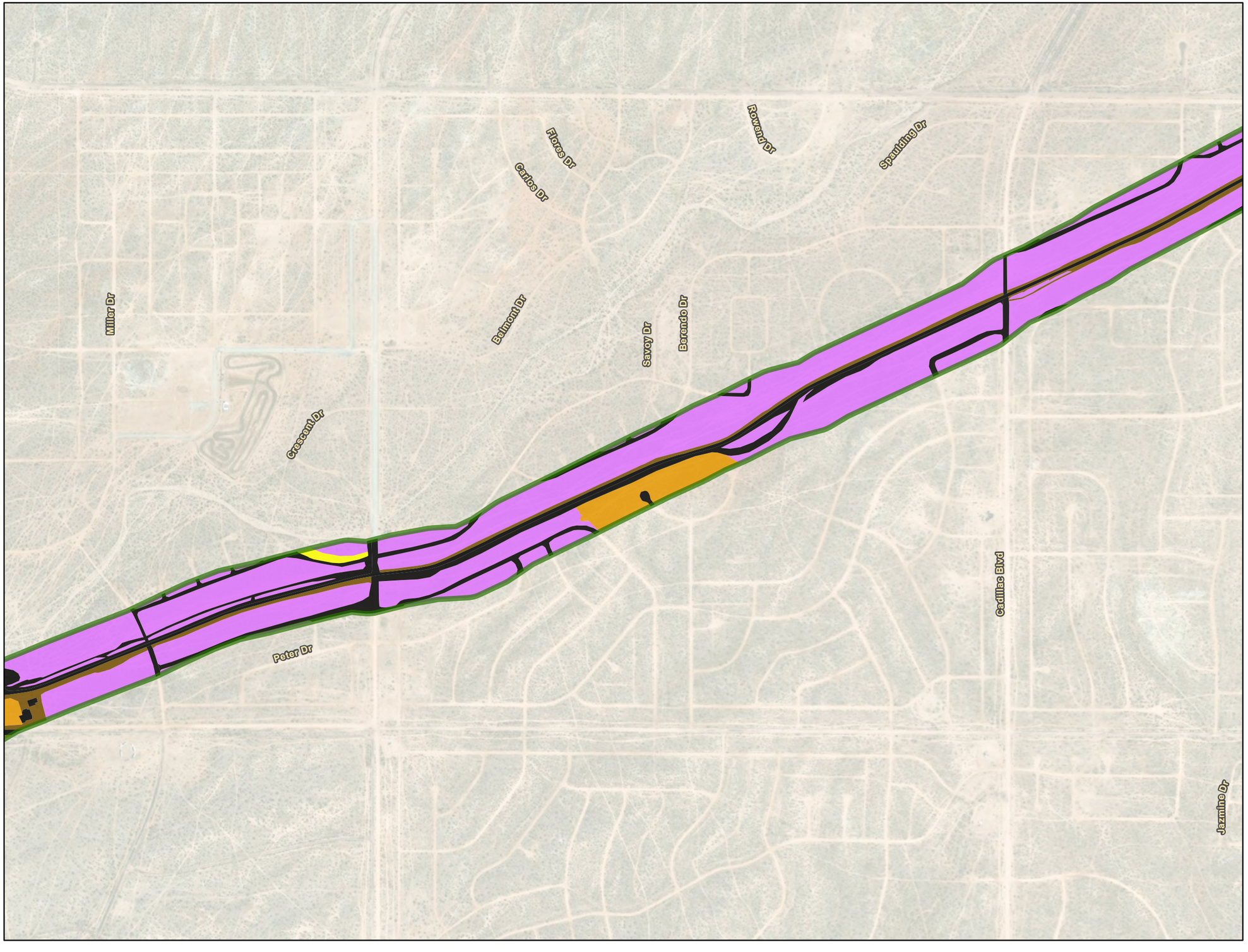
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

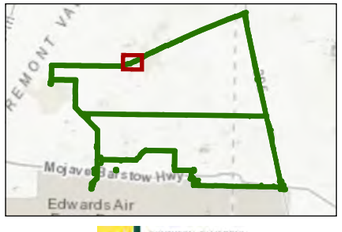


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed

0 400 800 Feet



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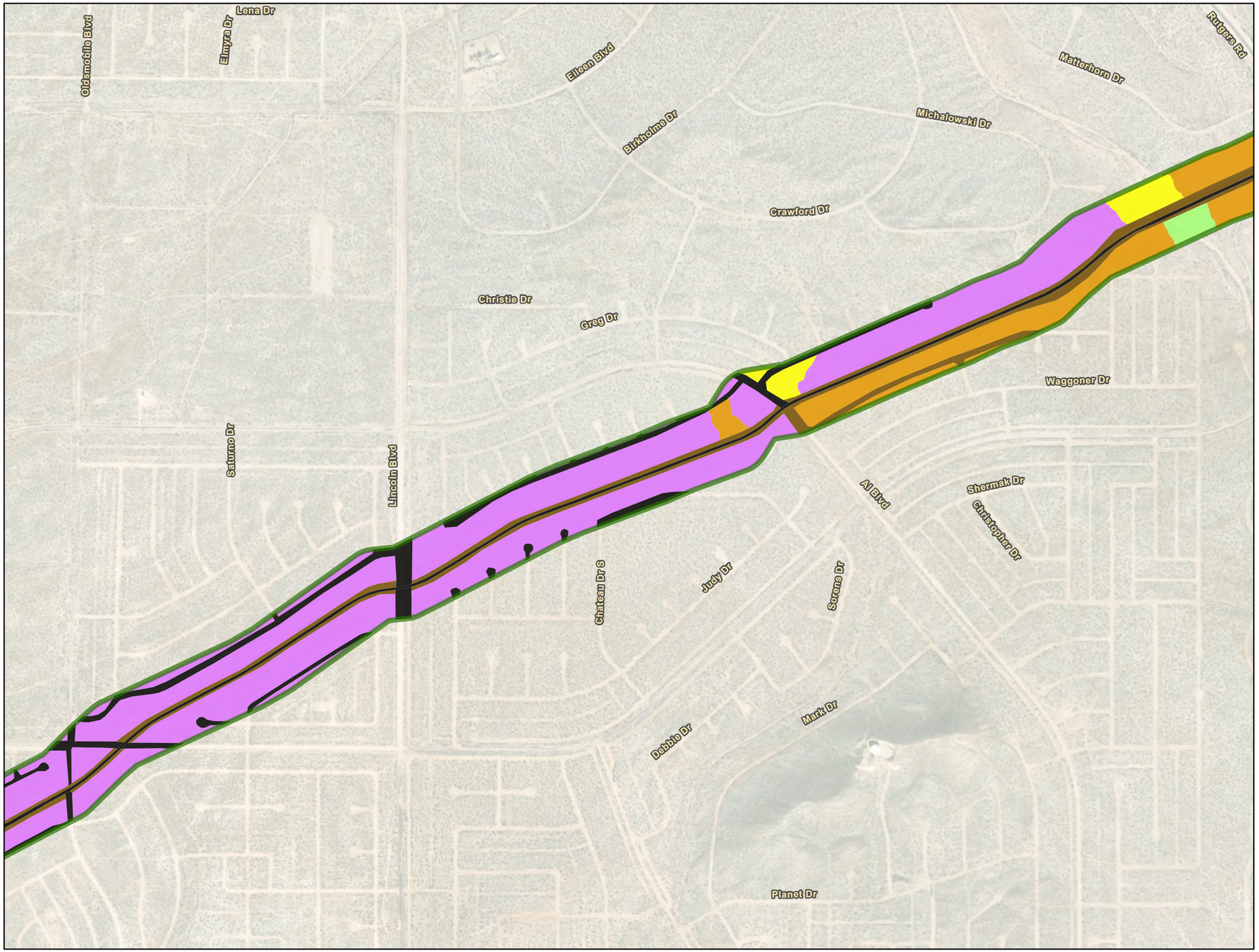
Appendix H
Vegetation Communities & Land Cover Types

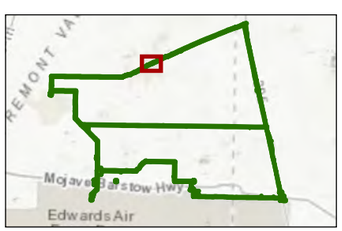


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Allscale scrub
- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed

0 400 800 Feet



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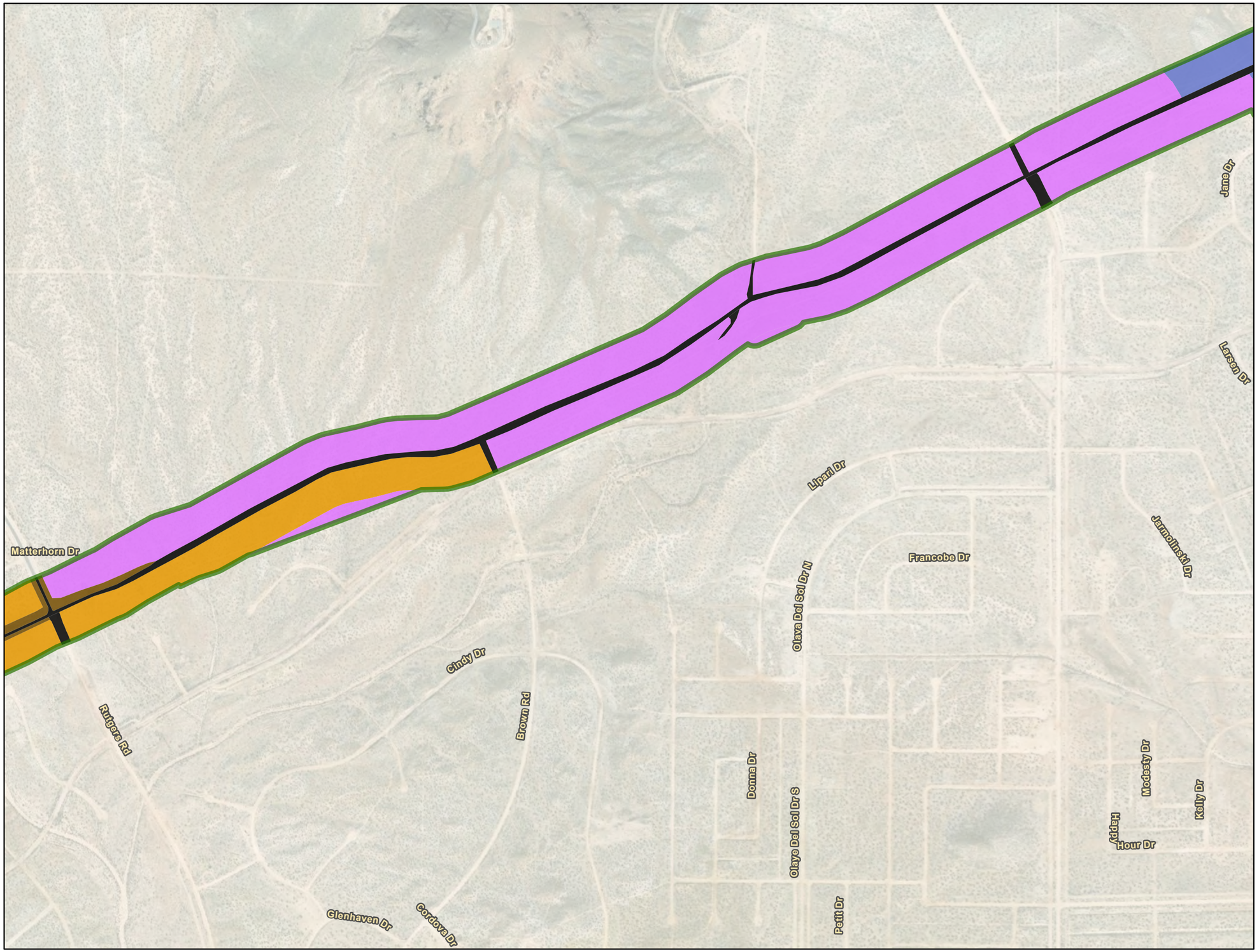
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

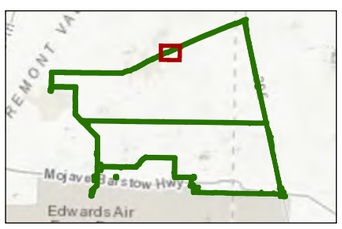


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed
- Shadscale scrub

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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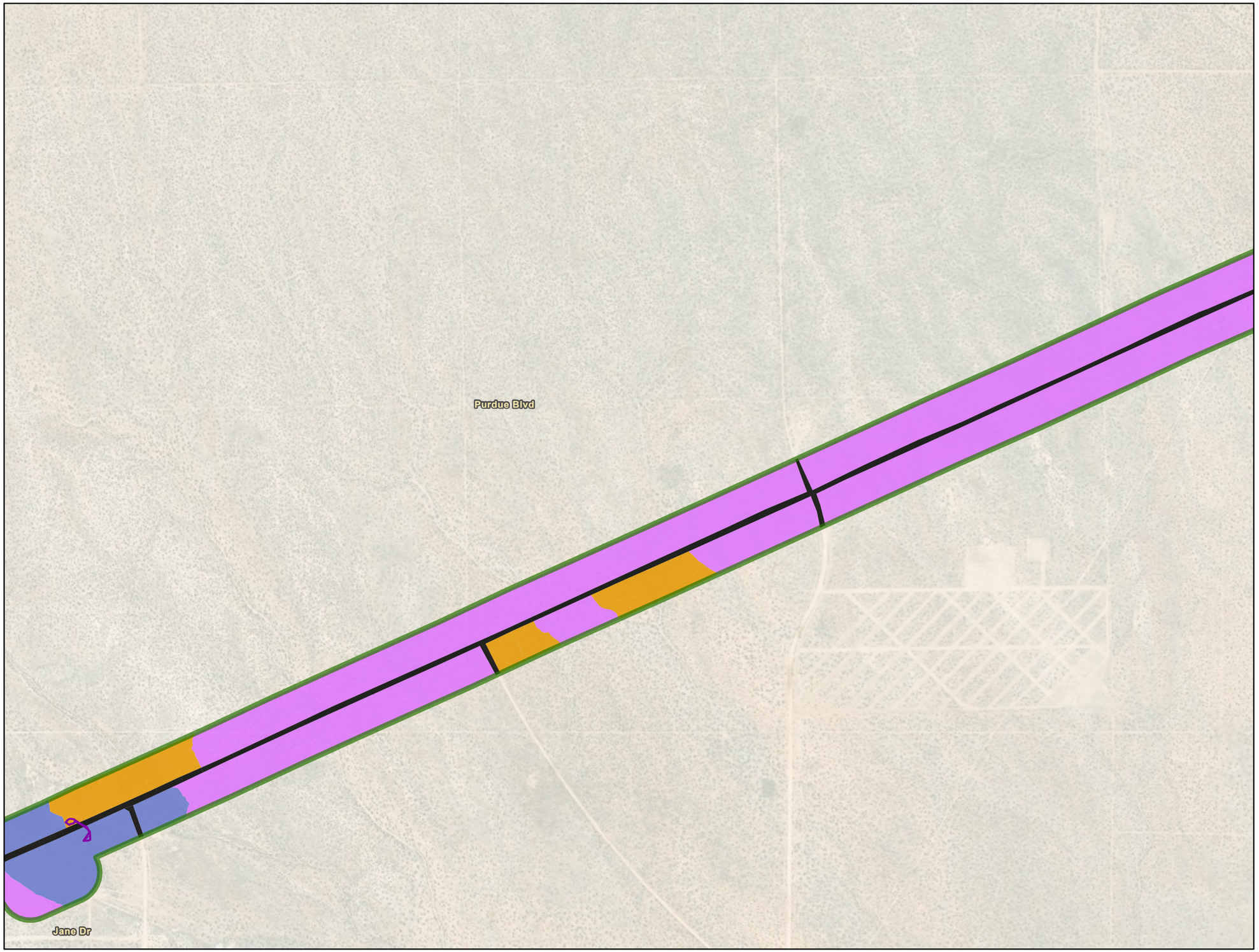


2021/2022 Study Area

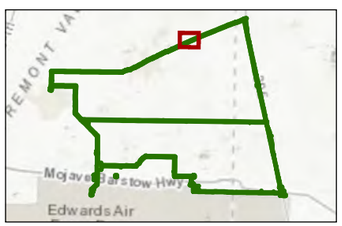
Rare Plant Observation

Mojave Spineflower

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Shadscale scrub

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

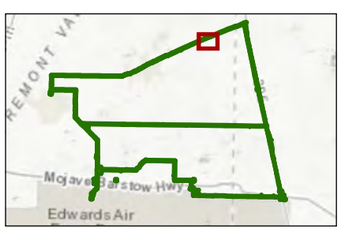
Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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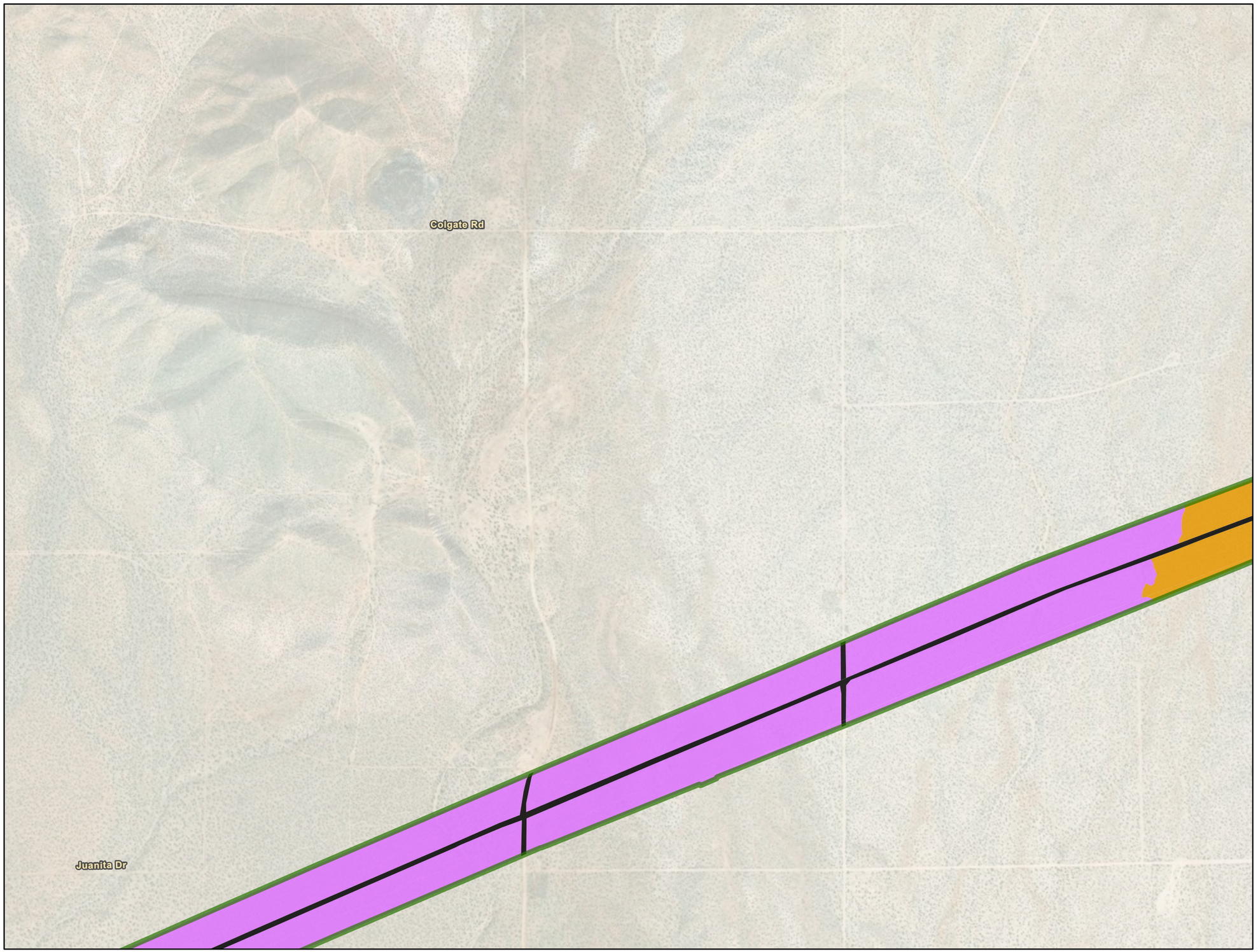
Vegetation Communities & Land Cover Types

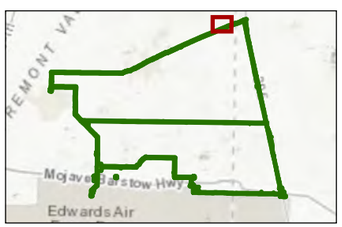


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed

0 400 800 Feet



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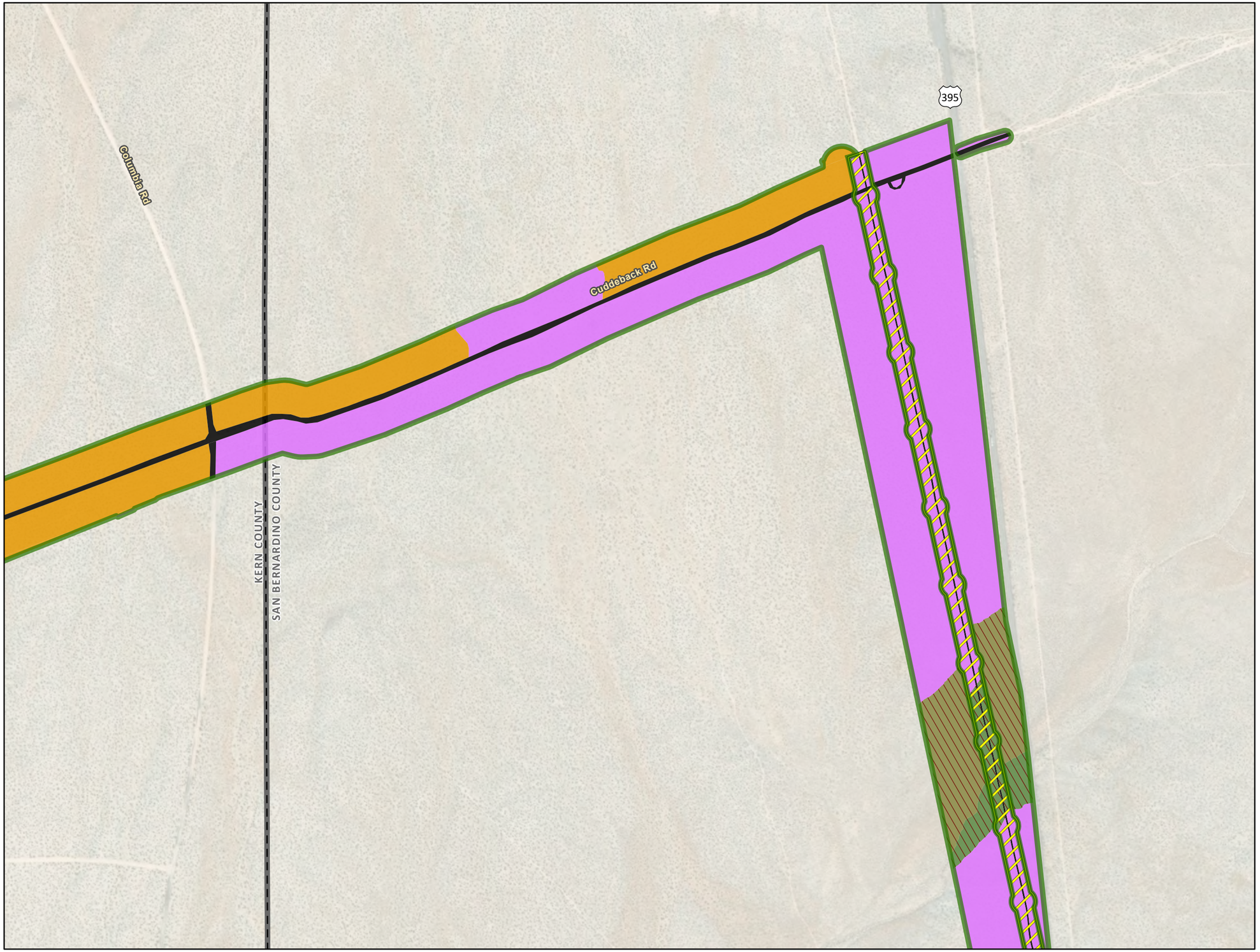
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

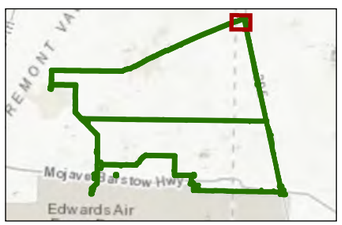


- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- Sensitive Communities

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Spinescale scrub
- Winterfat scrubland

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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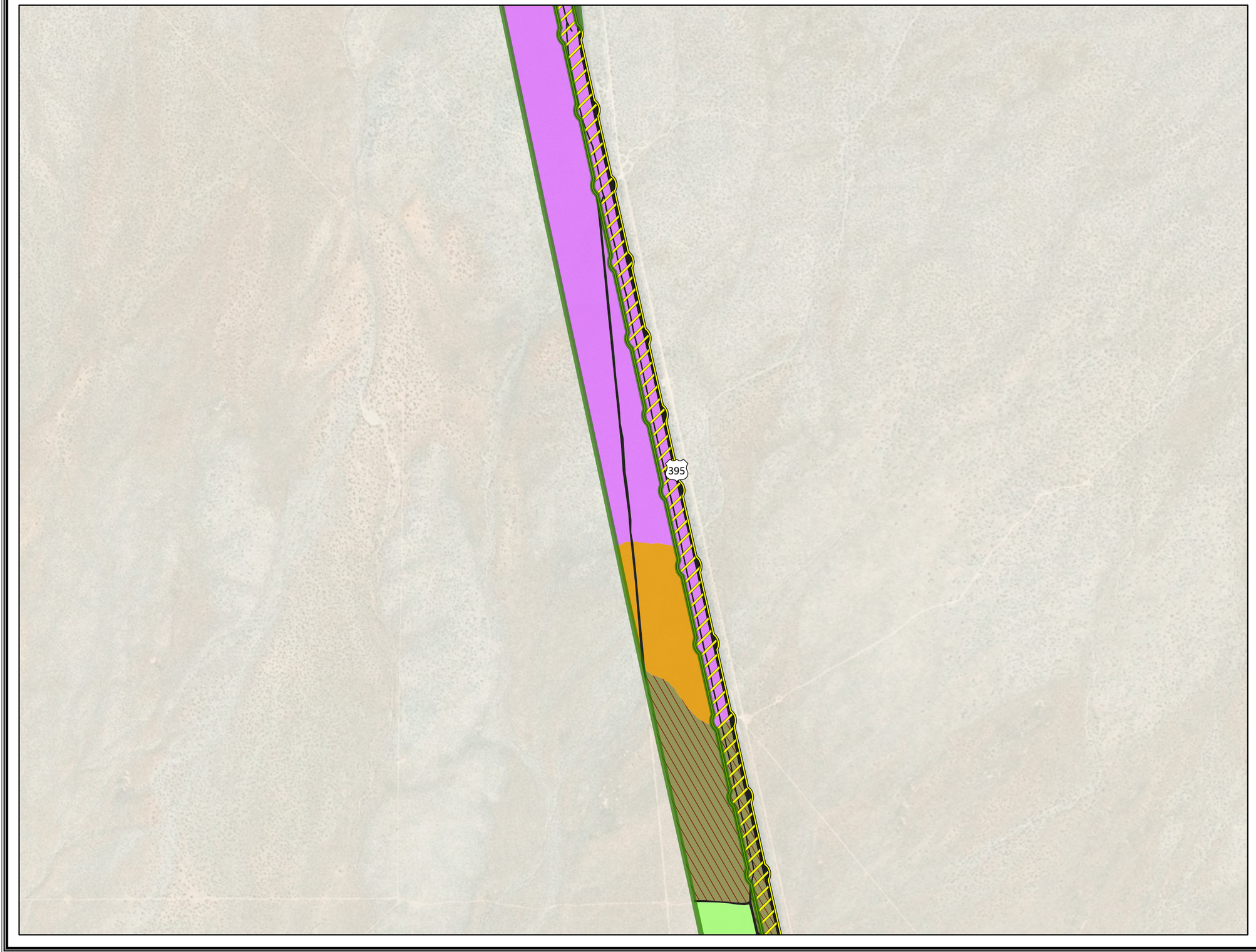
Vegetation Communities & Land Cover Types



2021/2022 Study Area

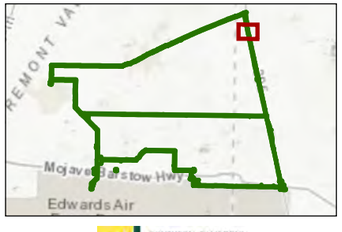
SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Sensitive Communities

Vegetation Communities & Land Cover Types

- Allscale scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Spinescale scrub

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Sensitive Communities

Rare Plant Observation

Mojave Spineflower

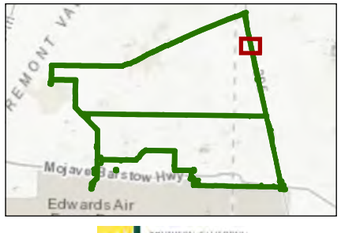
Vegetation Communities & Land Cover Types

Allscale scrub

Developed

Spinescale scrub

0 400 800 Feet



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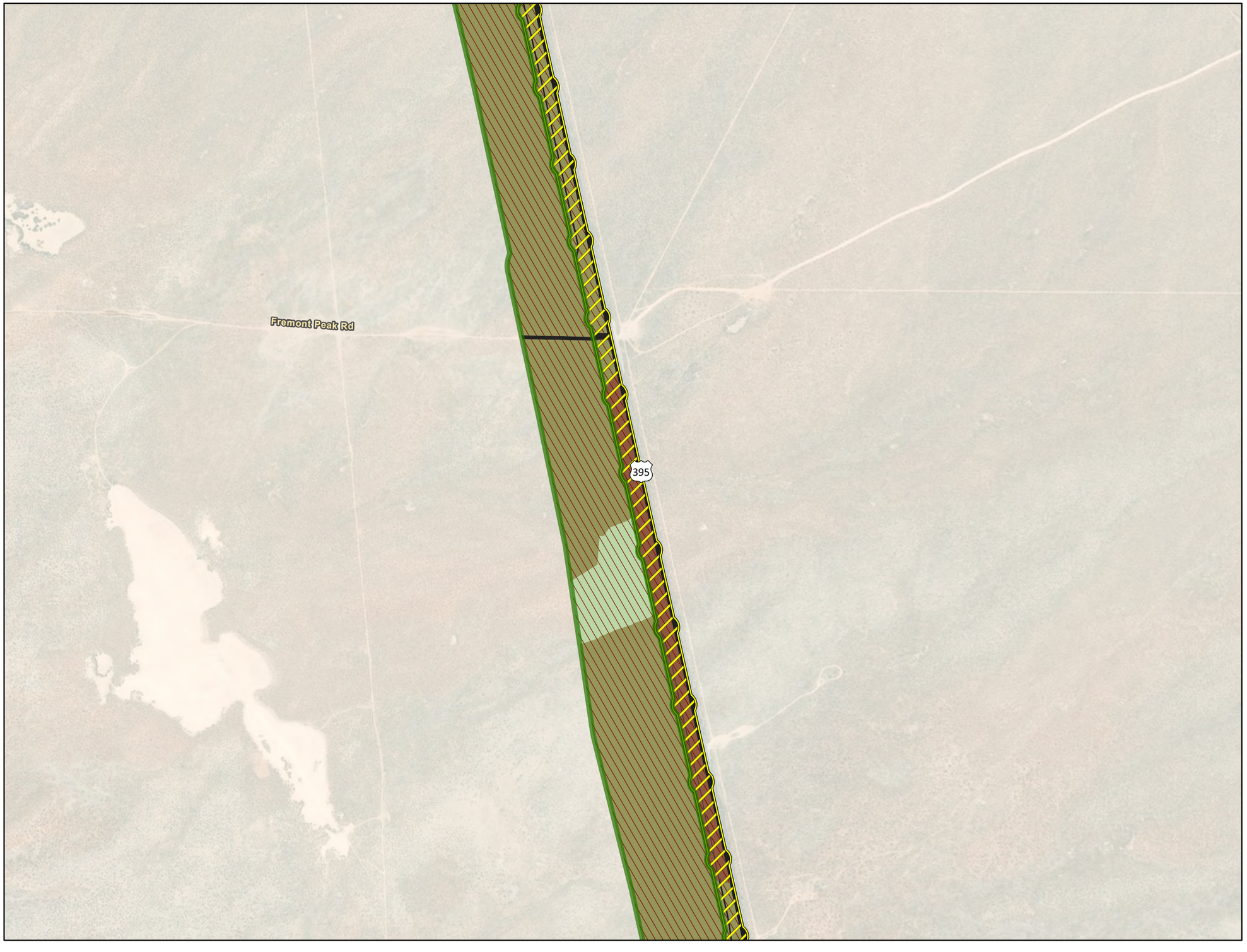
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Sensitive Communities

Vegetation Communities & Land Cover Types

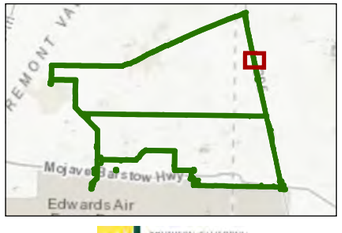
Developed

Spinescale scrub

White bursage scrub

Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Nevada joint fir – Cooper's goldenbush scrub association)

0 400 800 Feet



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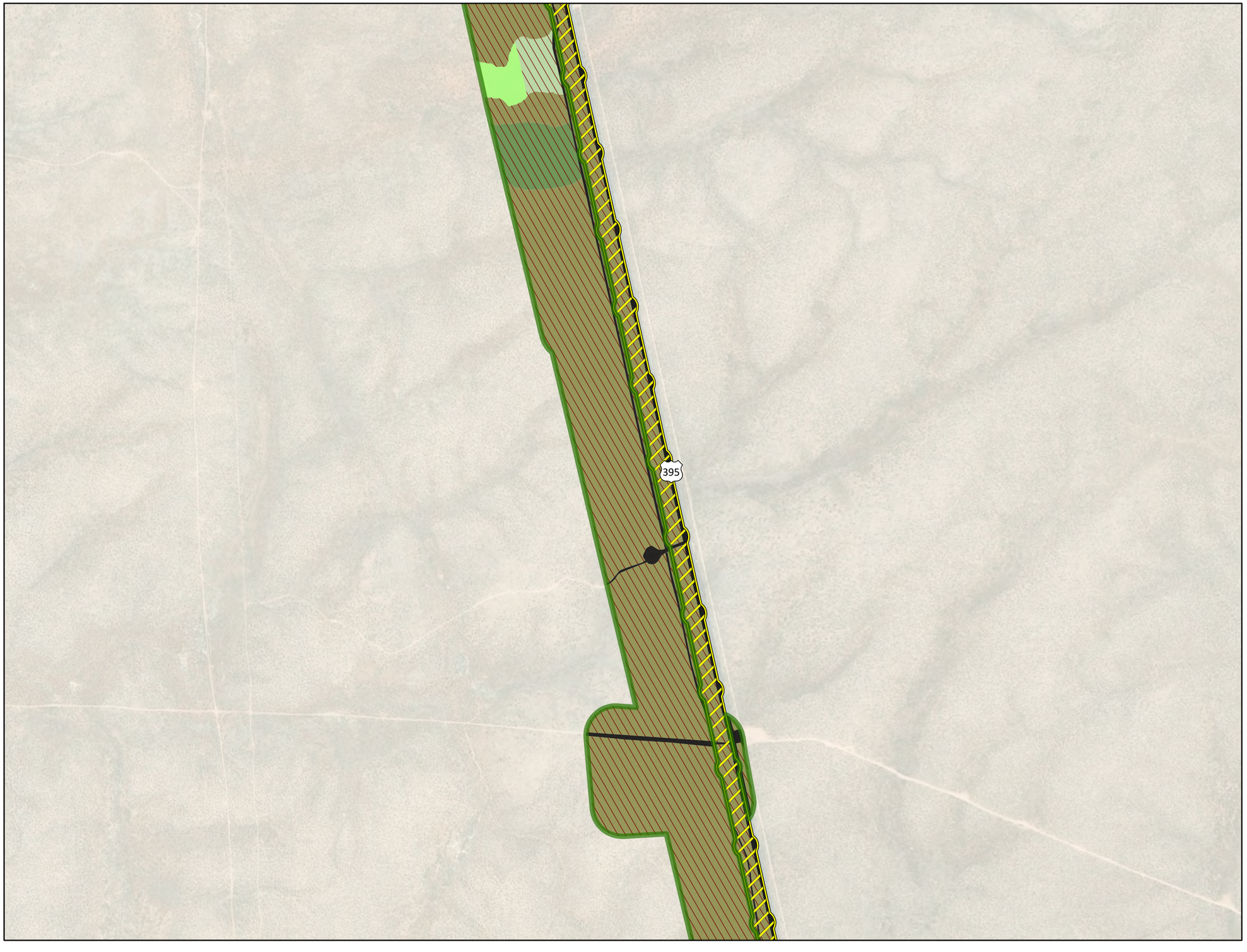
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



2021/2022 Study Area

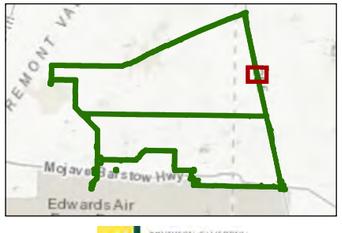
SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Sensitive Communities

Vegetation Communities & Land Cover Types

- Allscale scrub
- Developed
- Spinescale scrub
- White bursage scrub
- Winterfat scrubland

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Sensitive Communities

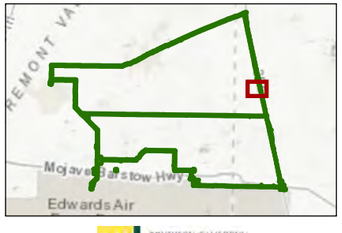
Vegetation Communities & Land Cover Types

Developed

Spinescale scrub

Winterfat scrubland

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Sensitive Communities

Vegetation Communities & Land Cover Types

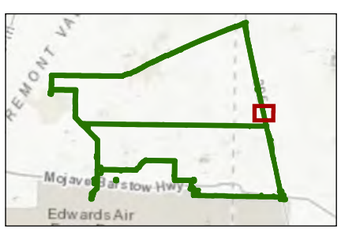
Developed

Spinescale scrub

Streambed

Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Nevada joint fir – Cooper's goldenbush scrub association)

0 400 800 Feet



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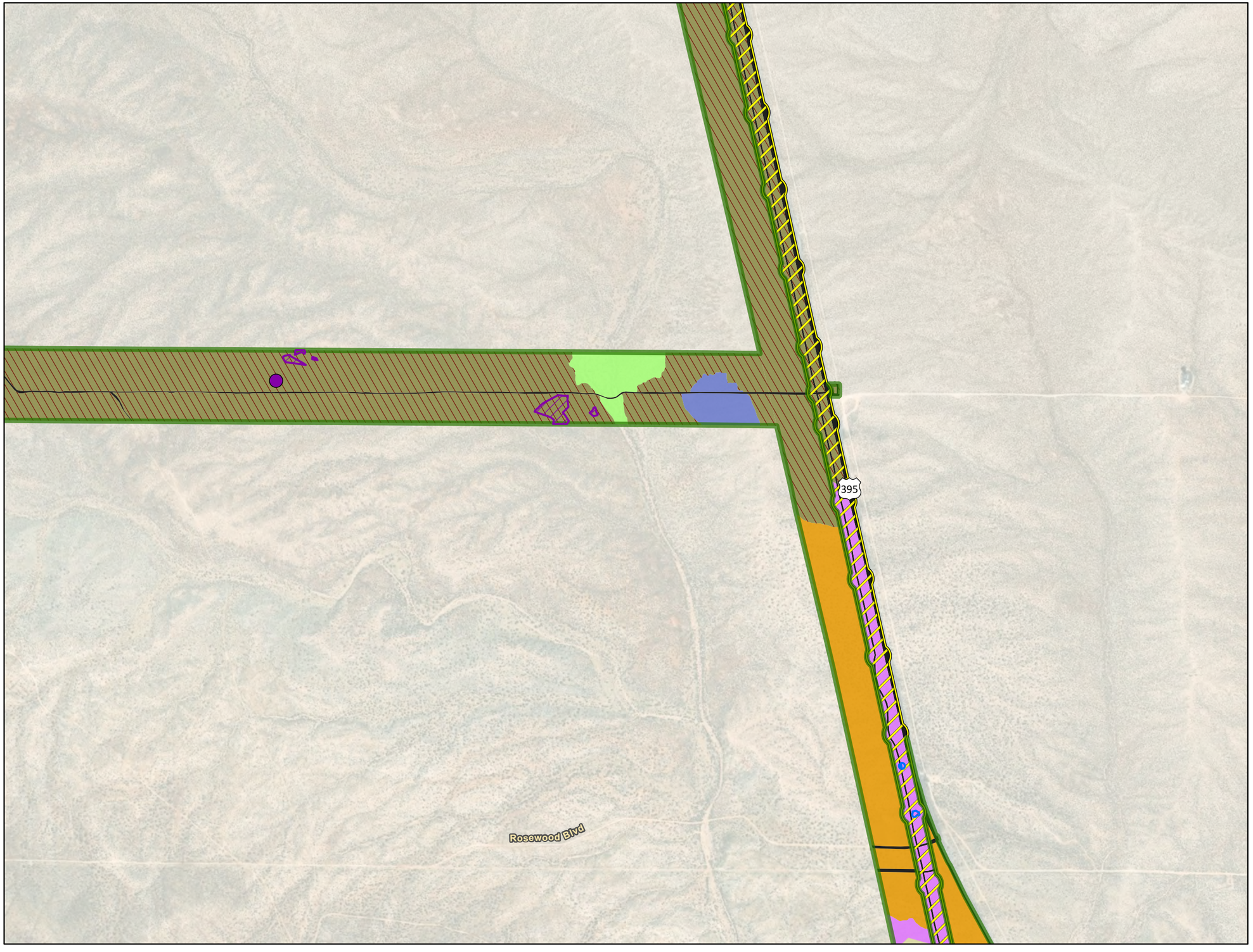
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Sensitive Communities

Rare Plant Observation

Mojave Spineflower

Rare Plant Observation

Mojave Spineflower

Mojave Spineflower (Historic)

Vegetation Communities & Land Cover Types

Allscale scrub

Creosote bush - white bursage scrub

Creosote bush scrub

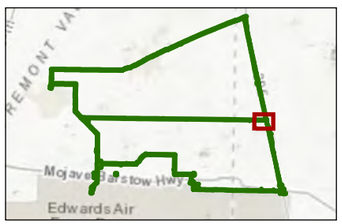
Developed

Shadscale scrub

Spinescale scrub

Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Nevada joint fir – Anderson's boxthorn scrub association)

0 400 800
Feet



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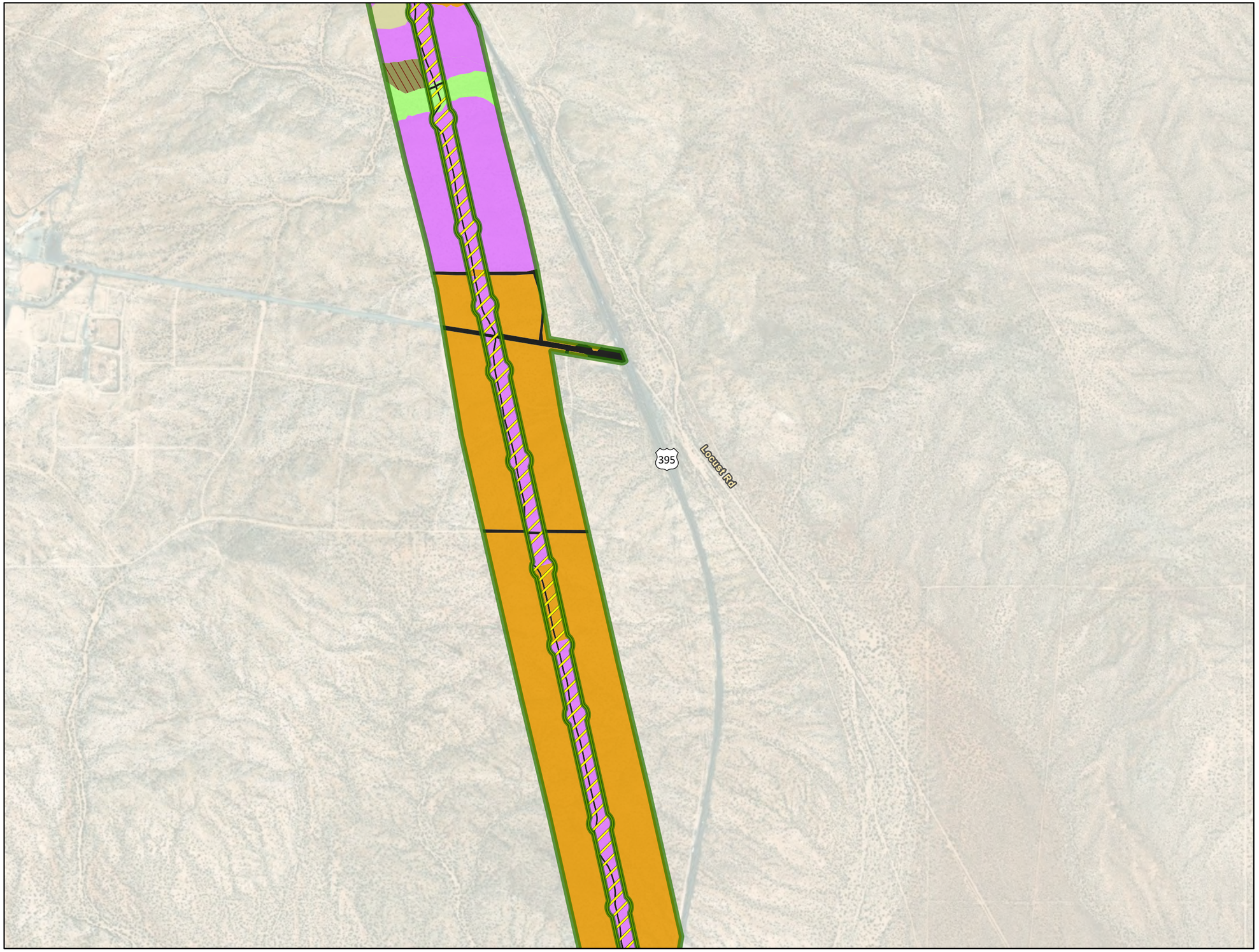


Cal City Substation 115 kV Upgrade Project

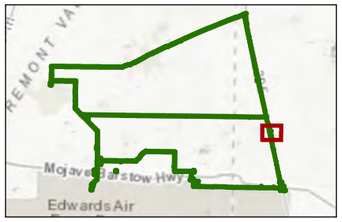
Appendix H
Vegetation Communities & Land Cover Types

- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- Sensitive Communities

Vegetation Communities & Land Cover Types

- Allscale scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Spinescale scrub
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Nevada joint fir – Anderson's boxthorn scrub association)

0 400 800 Feet



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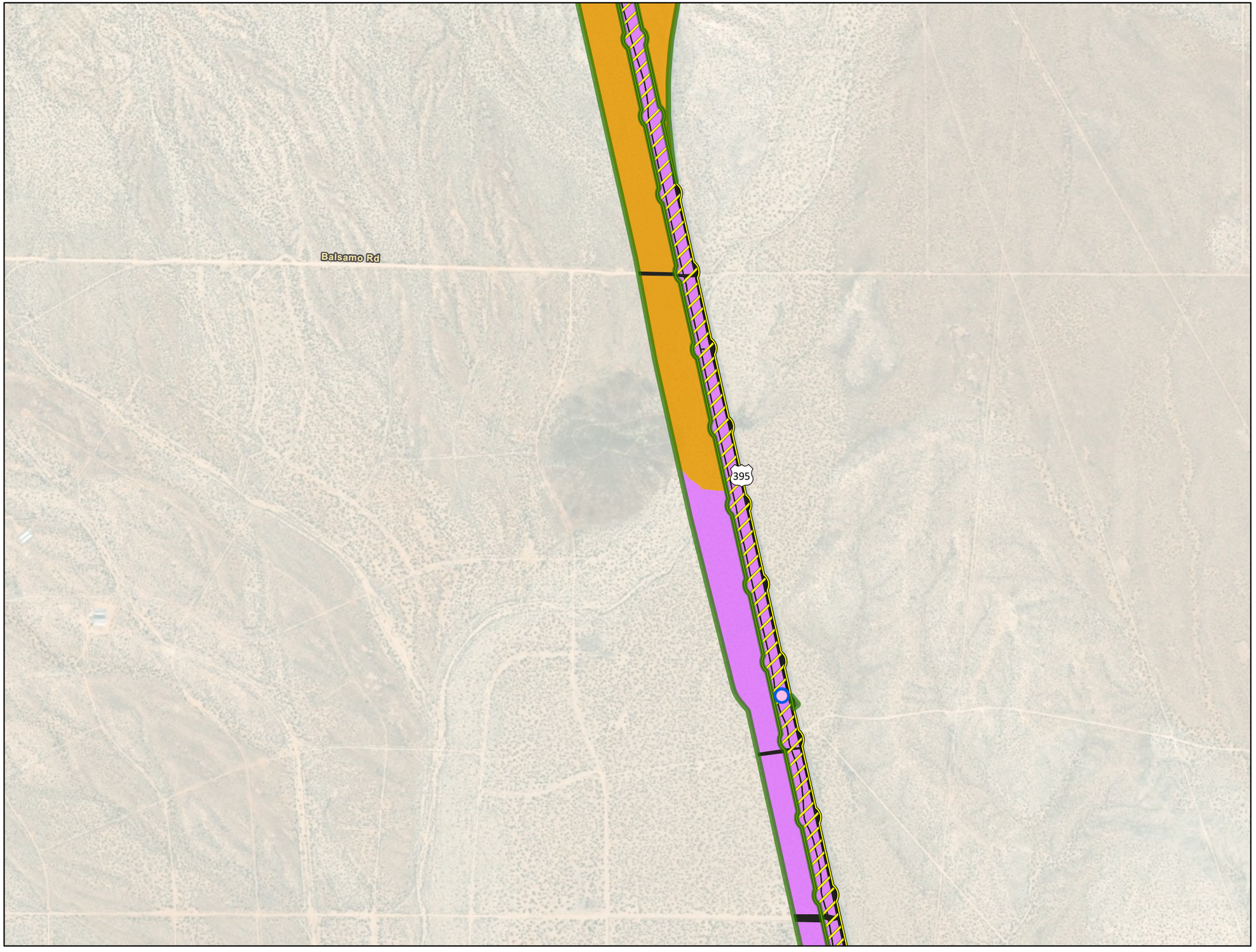
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Rare Plant Observation

Pink Funnel Lily (Historical)

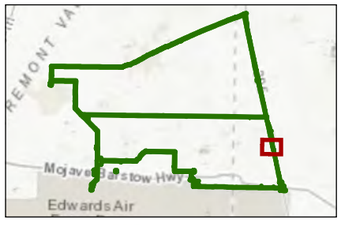
Vegetation Communities & Land Cover Types

Creosote bush - white bursage scrub

Creosote bush scrub

Developed

0 400 800 Feet



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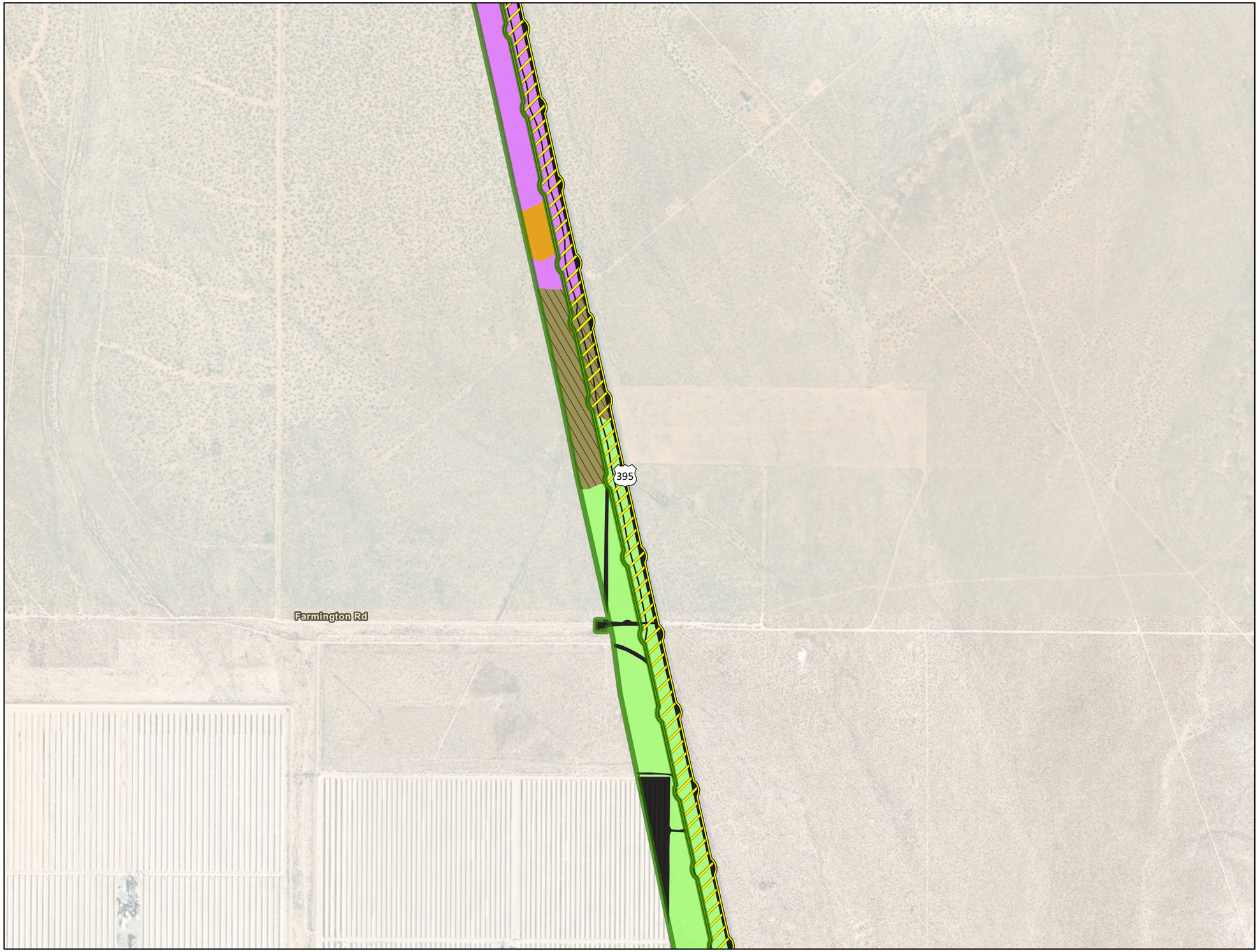
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

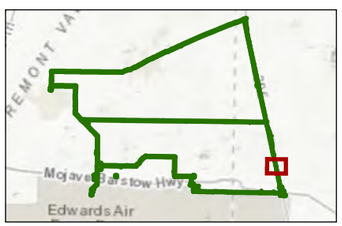


- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- Sensitive Communities

Vegetation Communities & Land Cover Types

- Allscale scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Spinescale scrub

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

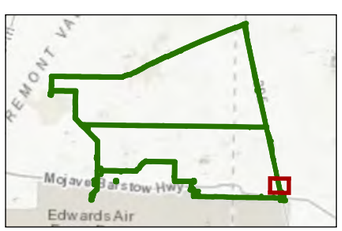
- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- Sensitive Communities

Rare Plant Observation
- Joshua Tree
- Mojave Spineflower

Rare Plant Observation
- Mojave Spineflower

Vegetation Communities & Land Cover Types
- Allscale scrub
- Developed
- Dry Lake / Mudflats / Playa
- Spinescale scrub

0 400 800 Feet



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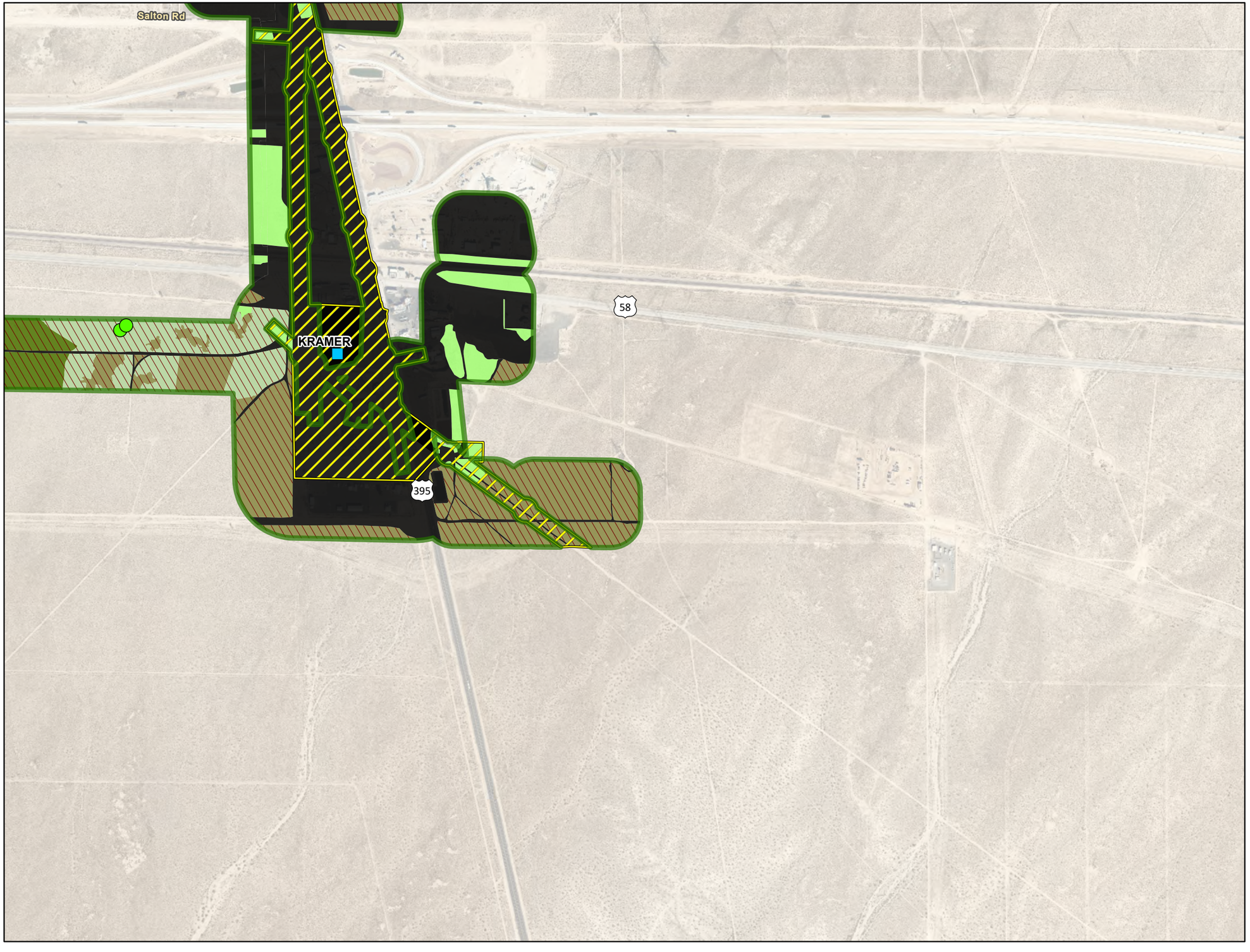
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



- Existing Substation
- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- Sensitive Communities

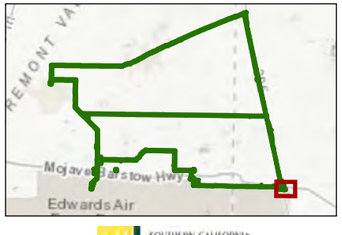
Rare Plant Observation

- Joshua Tree

Vegetation Communities & Land Cover Types

- Allscale scrub
- Developed
- Joshua tree woodland
- Spinescale scrub
- White bursage scrub

0 400 800 Feet



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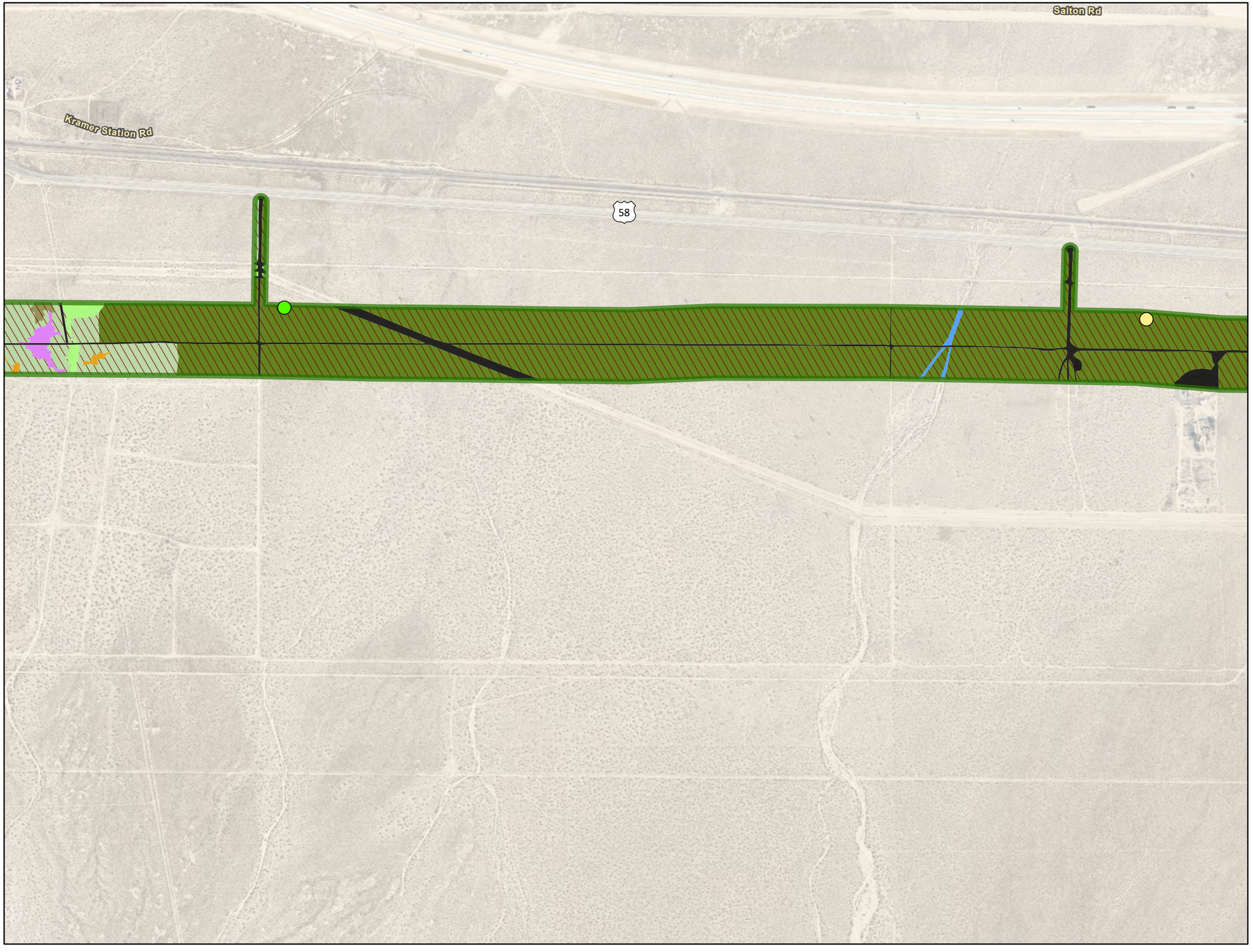


Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

Sensitive Communities

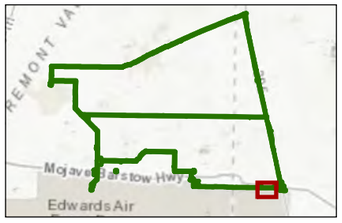
Rare Plant Observation

- Desert Cymopterus
- Joshua Tree

Vegetation Communities & Land Cover Types

- Allscale scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Joshua tree woodland
- Spinescale scrub
- Streambed
- White bursage scrub

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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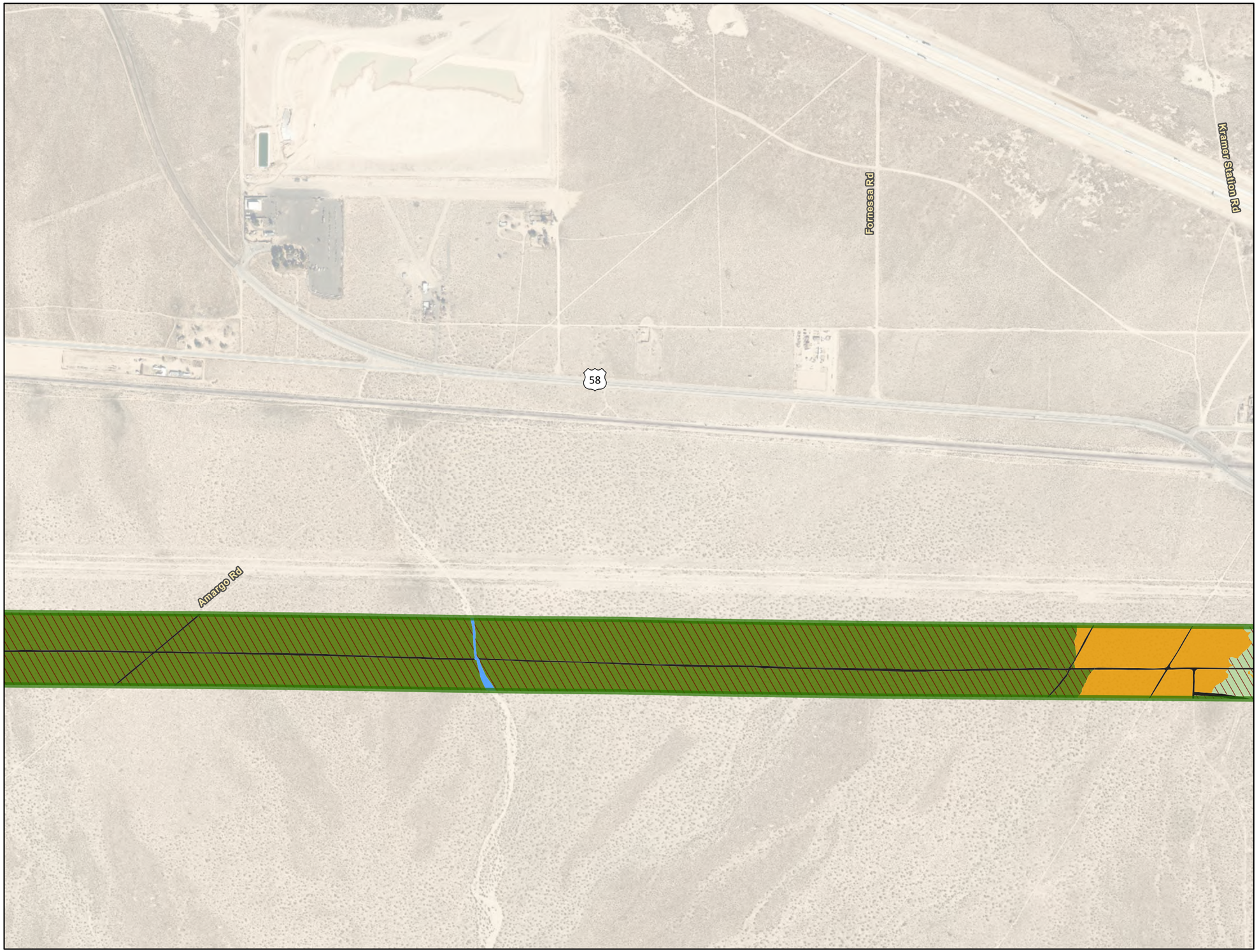
Vegetation Communities & Land Cover Types



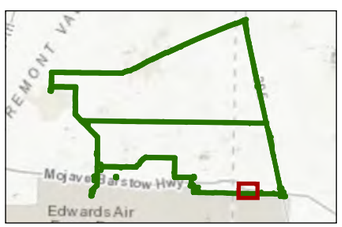
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Developed
- Joshua tree woodland
- Spinescale scrub
- Streambed
- White bursage scrub

0 400 800 Feet



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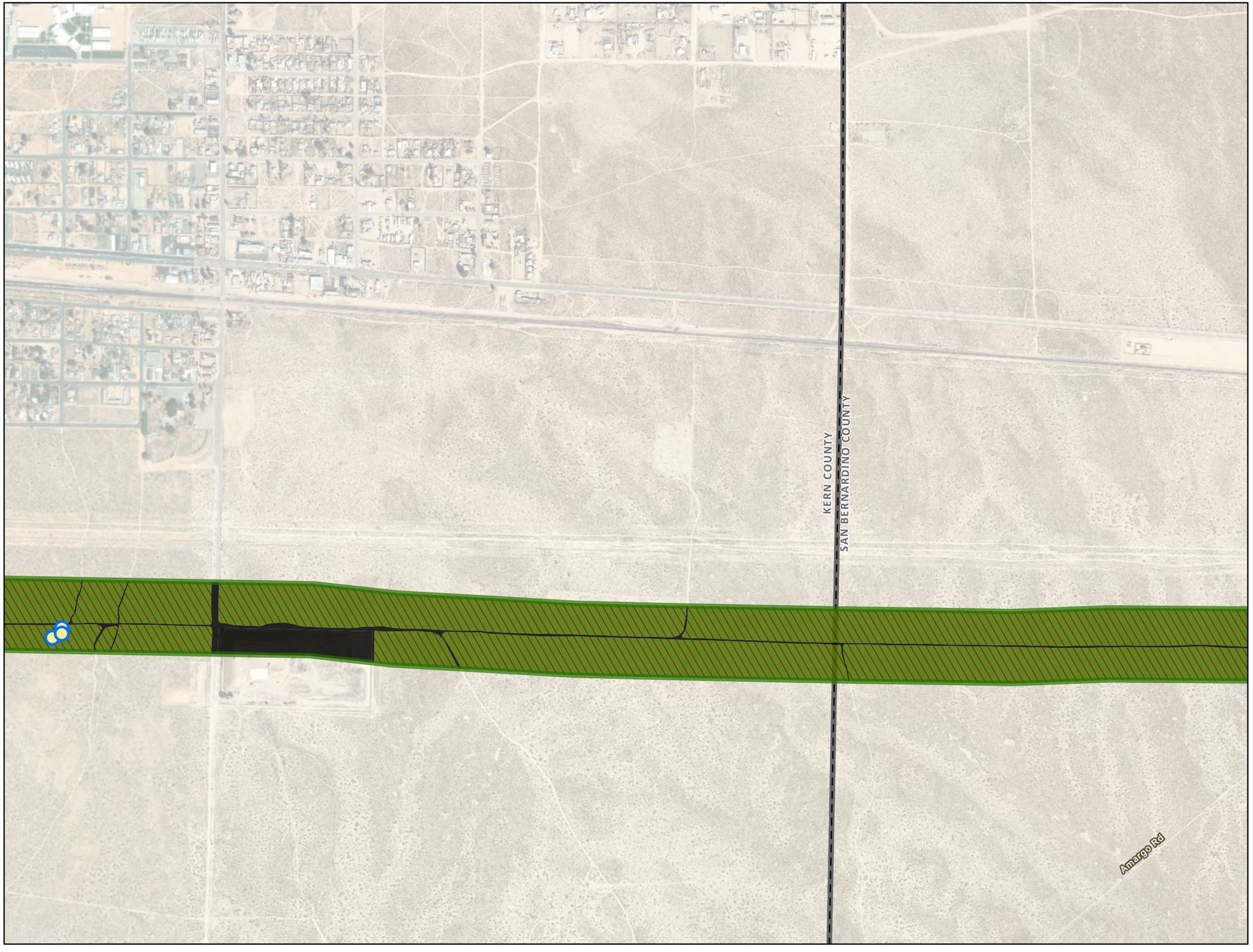
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



- 2021/2022 Study Area
- Sensitive Communities

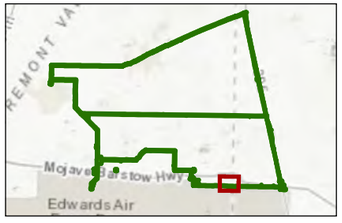
Rare Plant Observation

- Desert Cymopterus (Historical)

Vegetation Communities & Land Cover Types

- Developed
- Joshua tree woodland

0 400 800 Feet



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Vegetation Communities & Land Cover Types

2021/2022 Study Area

Sensitive Communities

Rare Plant Observation

Desert Cymopterus (Historical)

Pink Funnel Lily

Vegetation Communities & Land Cover Types

Developed

Joshua tree woodland

Streambed

0 400 800 Feet

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Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

Sensitive Communities

Rare Plant Observation

Joshua Tree

Vegetation Communities & Land Cover Types

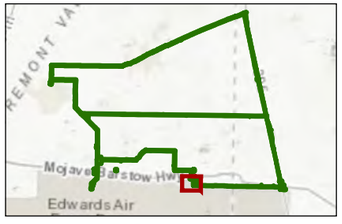
Developed

Disturbed

Joshua tree woodland

Spinescale scrub

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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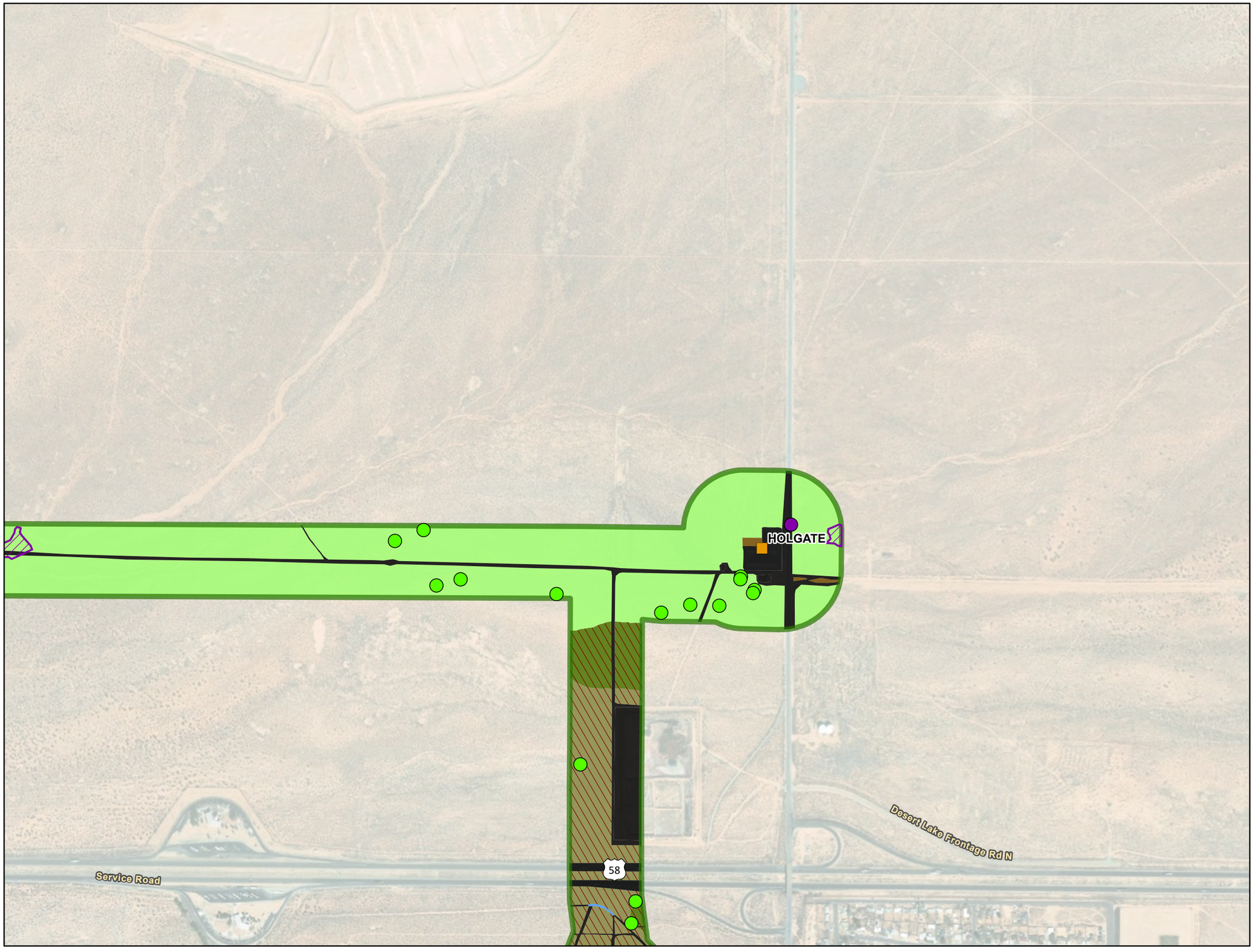
Vegetation Communities & Land Cover Types



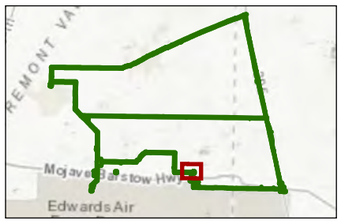
- Existing Switchyard
- 2021/2022 Study Area
- Sensitive Communities

Rare Plant Observation
- Joshua Tree
- Mojave Spineflower

Rare Plant Observation
- Mojave Spineflower

Vegetation Communities & Land Cover Types
- Allscale scrub
- Developed
- Disturbed
- Joshua tree woodland
- Spinescale scrub
- Streambed

0 400 800 Feet



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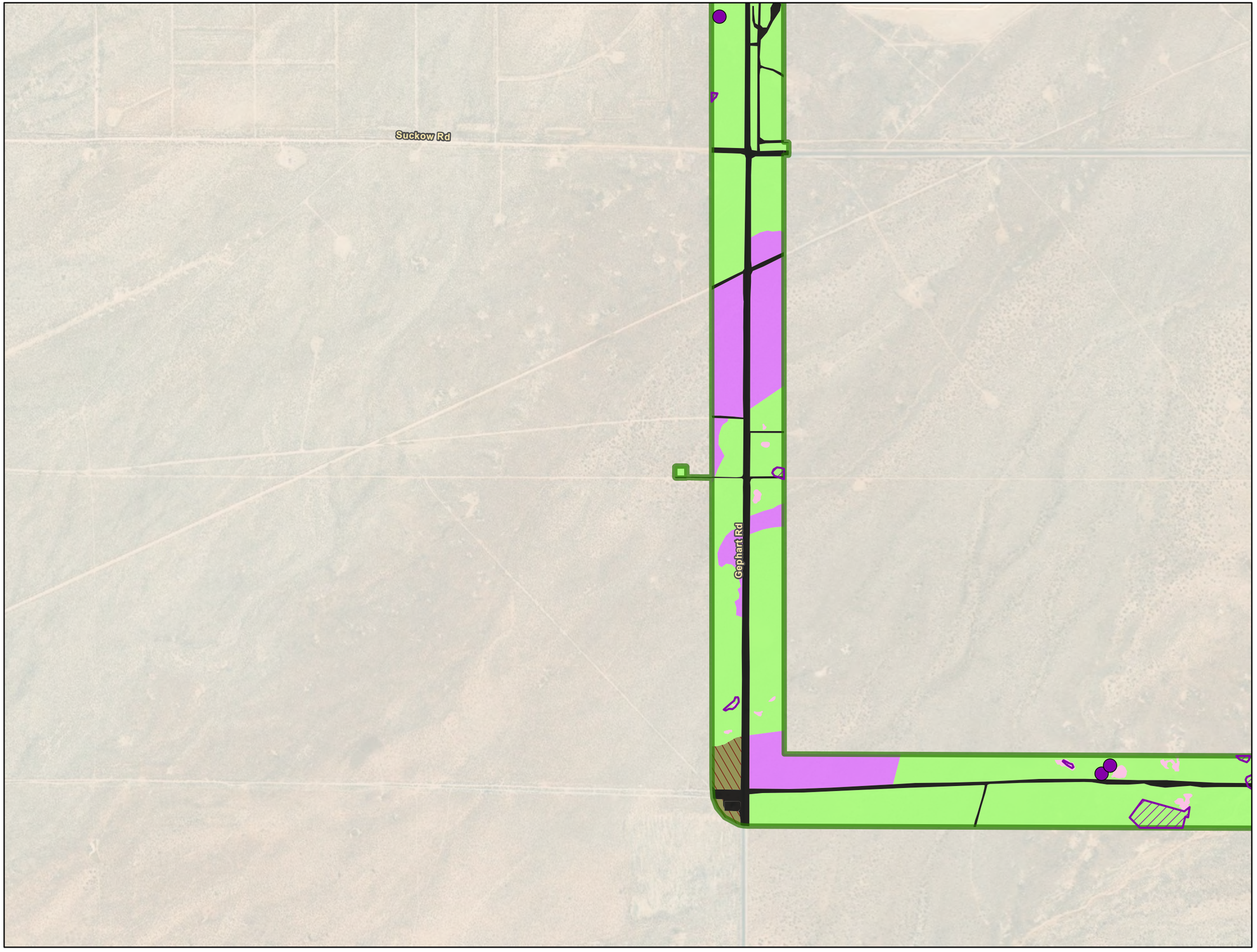


Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

Sensitive Communities

Rare Plant Observation

Mojave Spineflower

Rare Plant Observation

Mojave Spineflower

Vegetation Communities & Land Cover Types

Allscale scrub

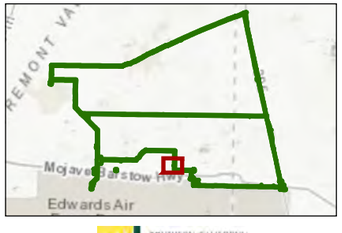
Creosote bush scrub

Developed

Dry Lake / Mudflats / Playa

Spinescale scrub

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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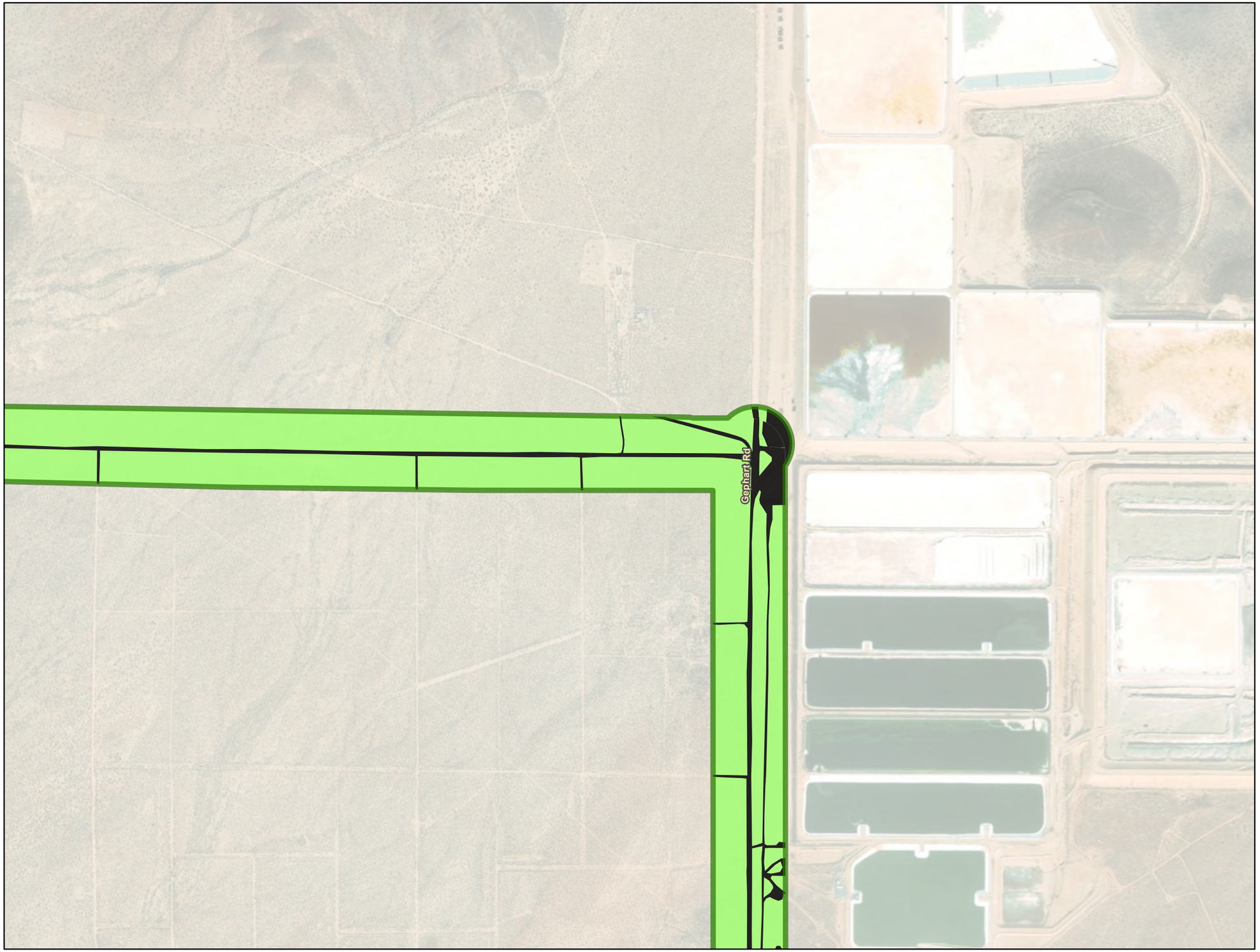
Vegetation Communities & Land Cover Types

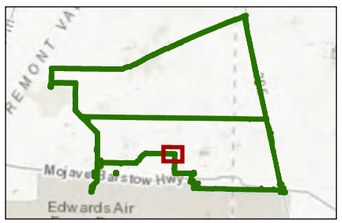


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Allscale scrub
- Developed

0 400 800 Feet



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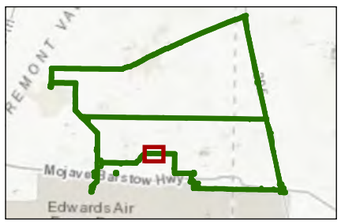
Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Allscale scrub
- Creosote bush scrub
- Developed
- Dry Lake / Mudflats / Playa

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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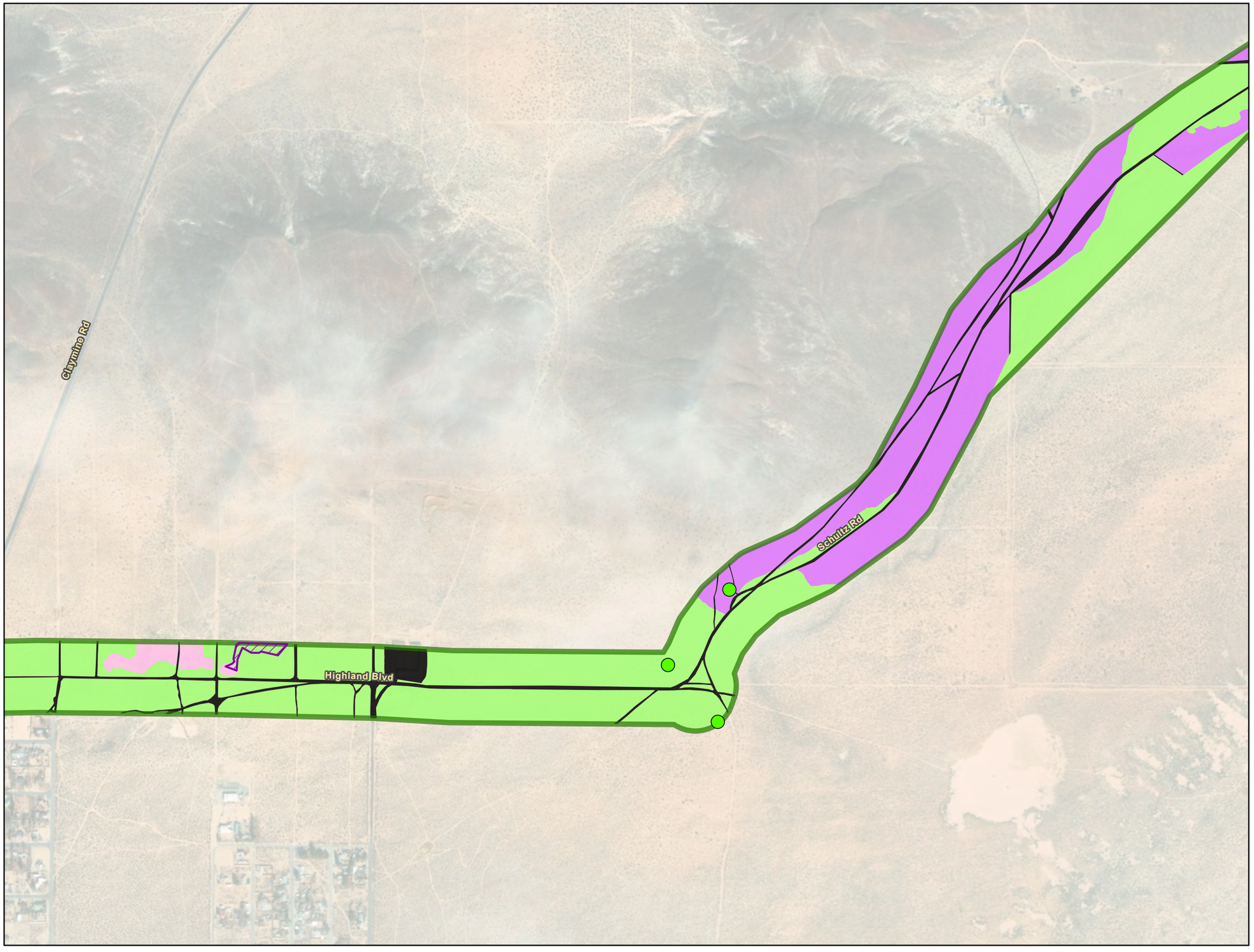
Vegetation Communities & Land Cover Types



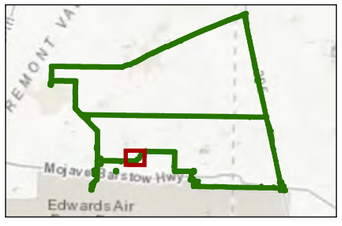
2021/2022 Study Area

Rare Plant Observation
Joshua Tree

Rare Plant Observation
Mojave Spineflower

Vegetation Communities & Land Cover Types
Allscale scrub
Creosote bush scrub
Developed
Dry Lake / Mudflats / Playa

0 400 800
Feet



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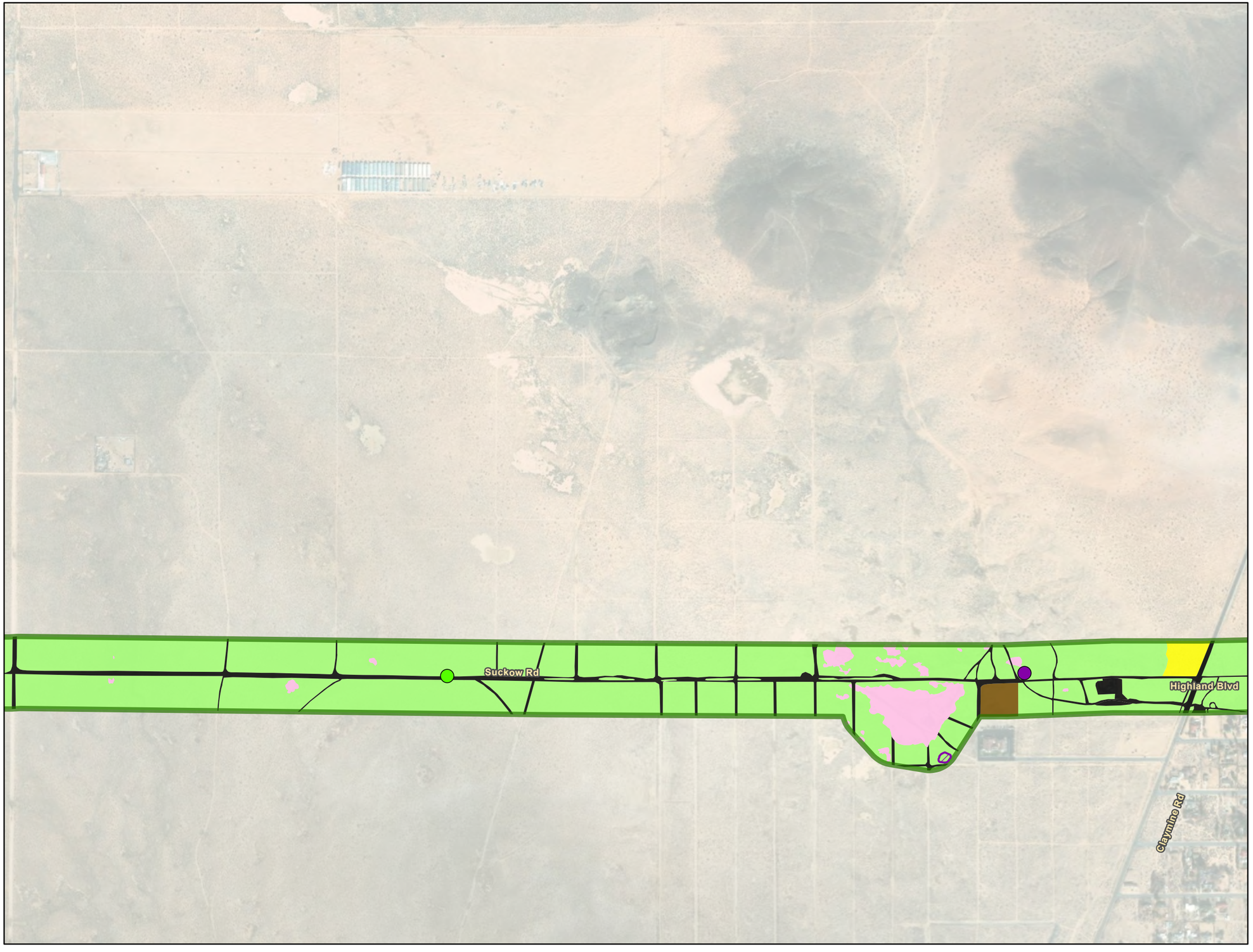
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



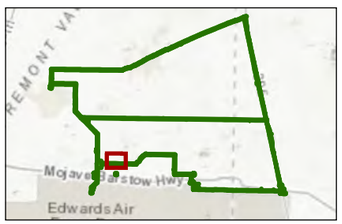
2021/2022 Study Area

Rare Plant Observation
- Joshua Tree
- Mojave Spineflower

Rare Plant Observation
- Mojave Spineflower

Vegetation Communities & Land Cover Types
- Allscale scrub
- Cheesebush - sweetbush scrub
- Developed
- Disturbed
- Dry Lake / Mudflats / Playa

0 400 800
Feet



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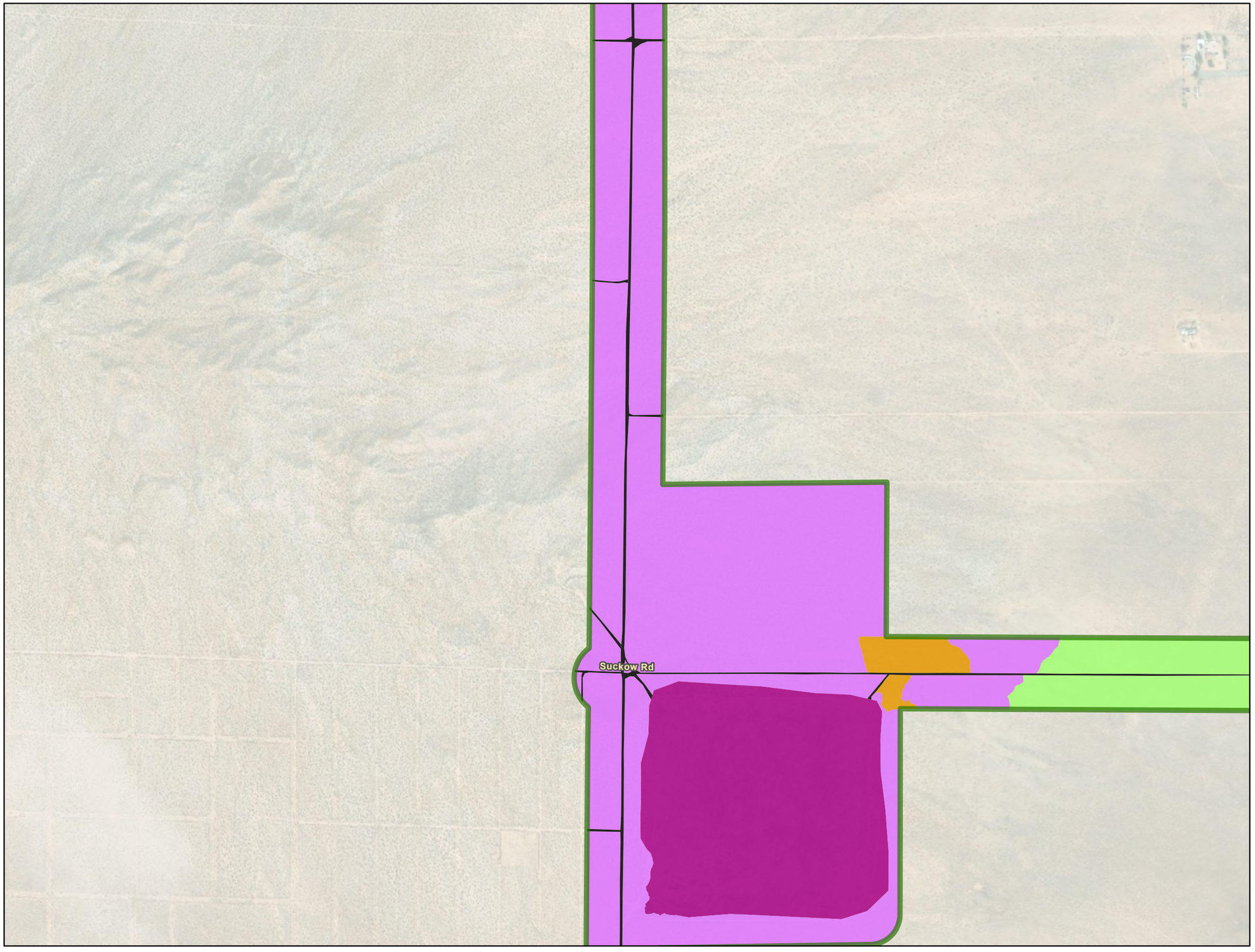
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

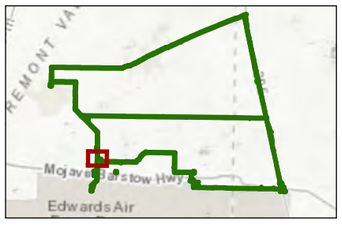


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Allscale scrub
- California buckwheat - Parish's goldeneye scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed

0 400 800
Feet



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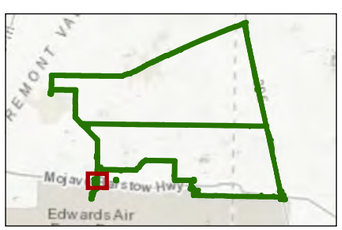
Appendix H
Vegetation Communities & Land Cover Types

2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Allscale scrub
- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed

0 400 800 Feet



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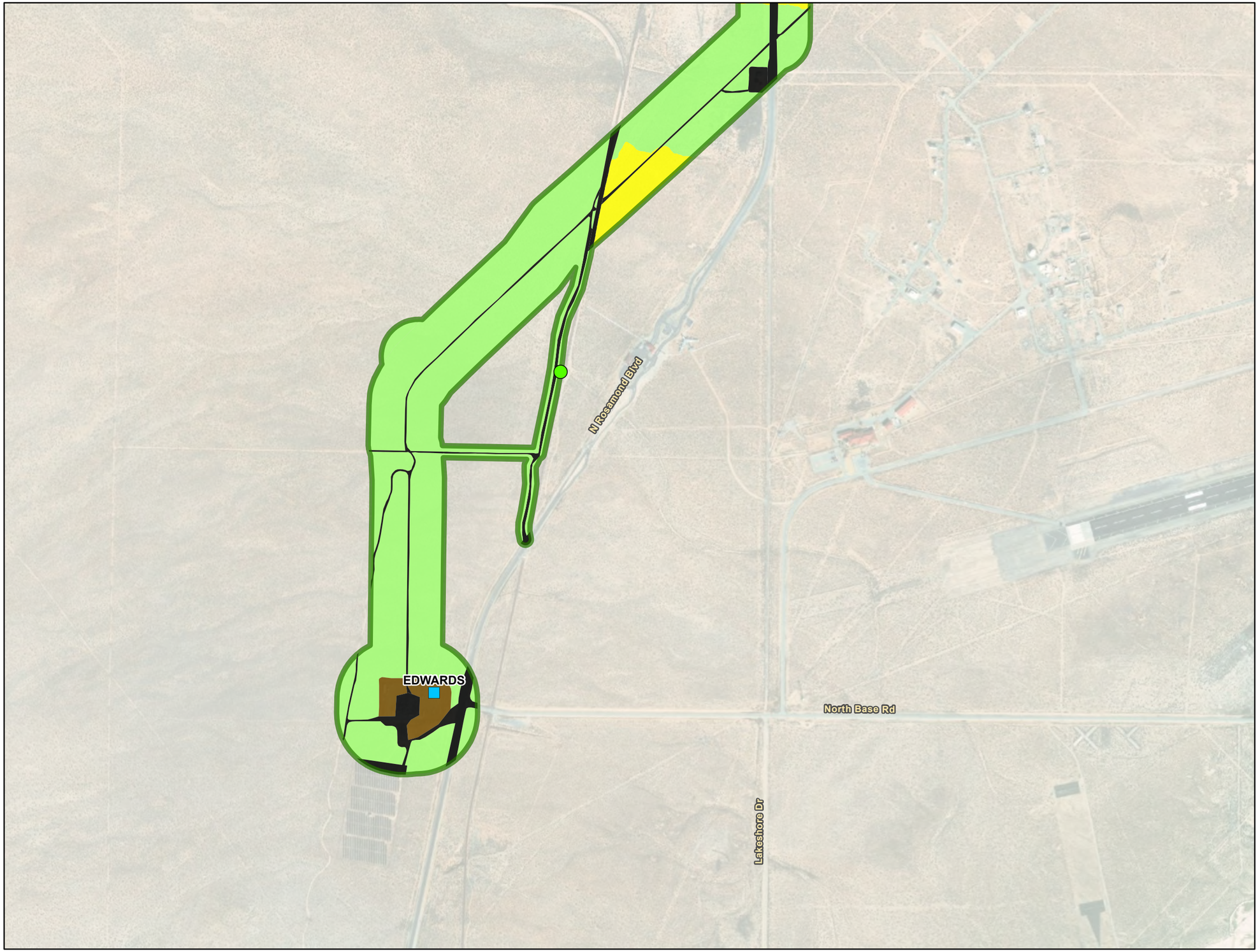
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



- Existing Substation
- 2021/2022 Study Area

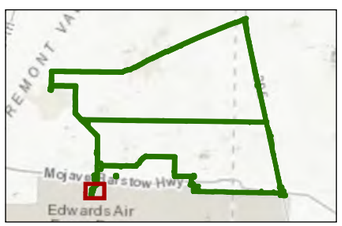
Rare Plant Observation

- Joshua Tree

Vegetation Communities & Land Cover Types

- Allscale scrub
- Cheesebush - sweetbush scrub
- Developed
- Disturbed

0 400 800 Feet



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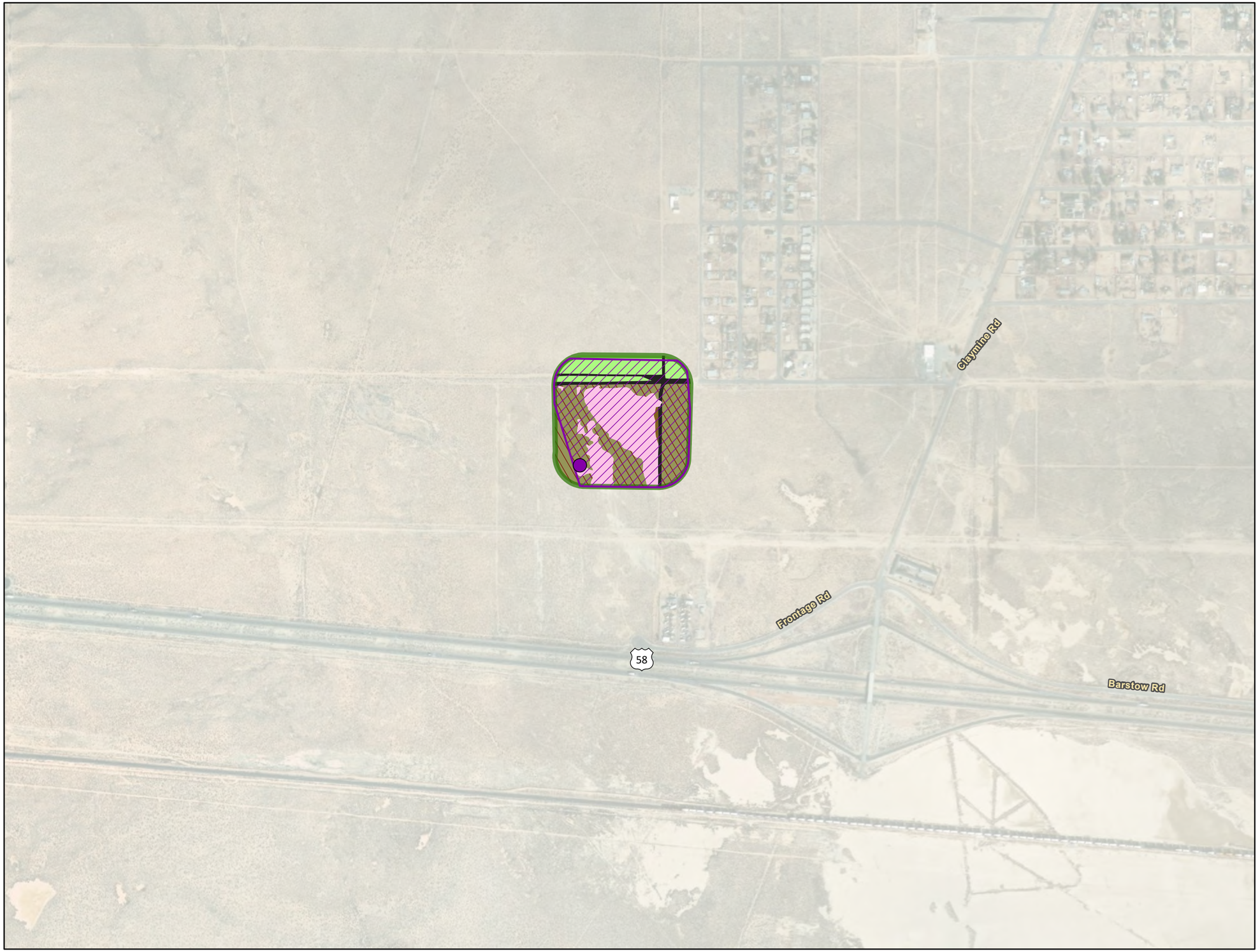
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



2021/2022 Study Area

Sensitive Communities

Rare Plant Observation

Mojave Spineflower

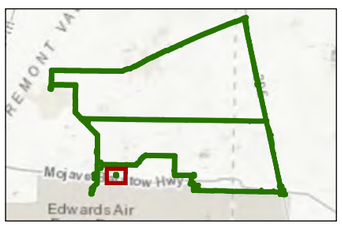
Rare Plant Observation

Mojave Spineflower

Vegetation Communities & Land Cover Types

- Allscale scrub
- Developed
- Disturbed
- Dry Lake / Mudflats / Playa
- Spinescale scrub

0 400 800 Feet



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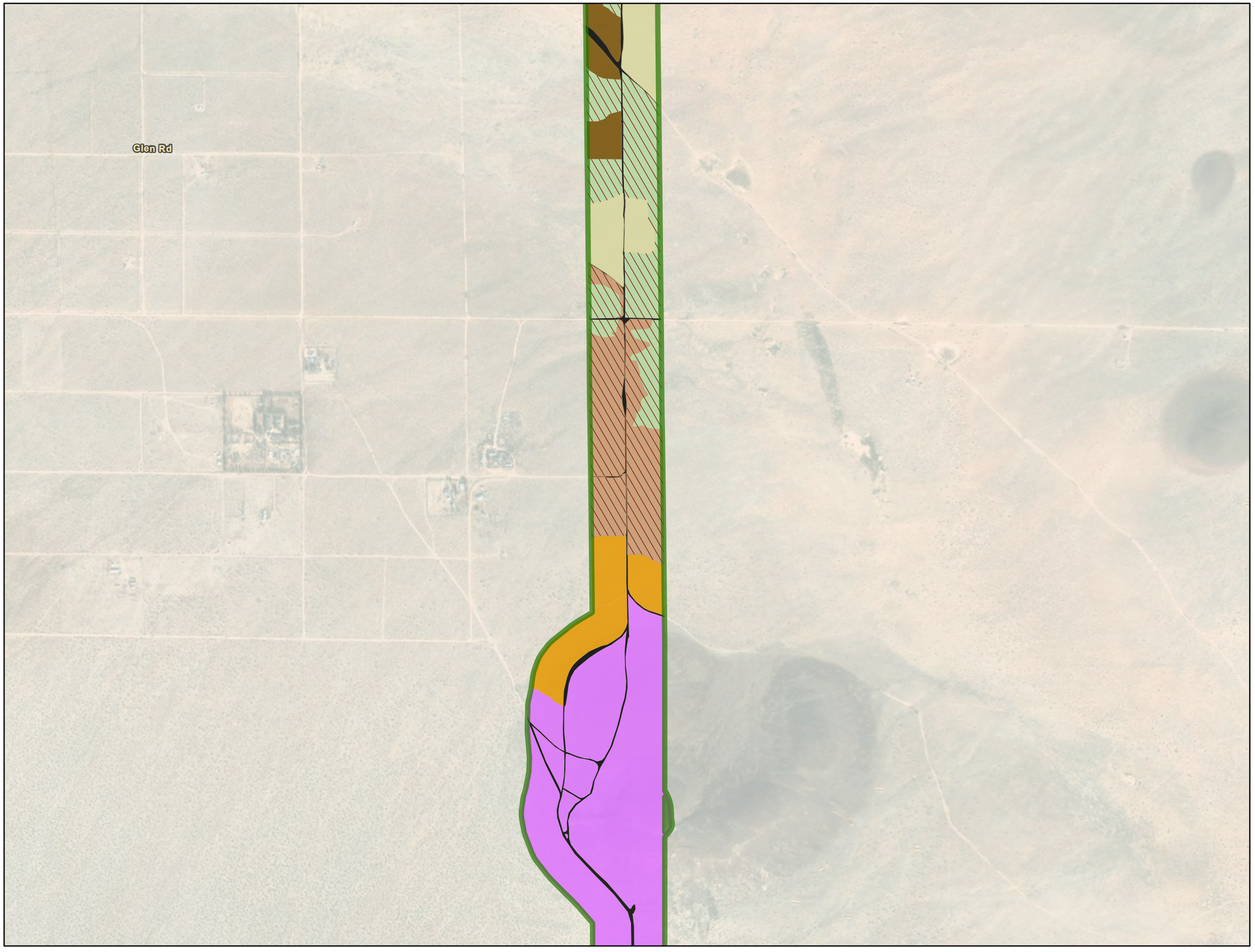


Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

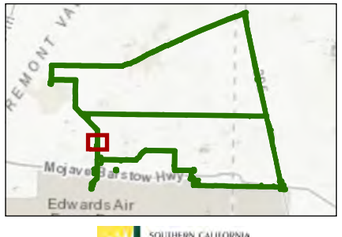
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed
- White bursage scrub
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Nevada joint fir – Anderson's boxthorn scrub association)
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Anderson's boxthorn scrub Provisional association)

0 400 800 Feet



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Appendix H
Vegetation Communities & Land Cover Types

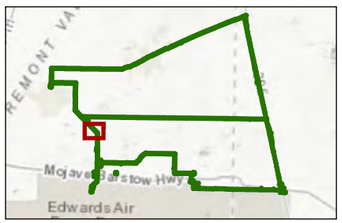
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Cheesebush - sweetbush scrub
- Developed
- Disturbed
- Dry Lake / Mudflats / Playa
- Fourwing saltbush scrub
- White bursage scrub
- Winterfat scrubland
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Nevada joint fir – Anderson's boxthorn scrub association)
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Anderson's boxthorn scrub Provisional association)
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Cooper's boxthorn scrub Provisional association)

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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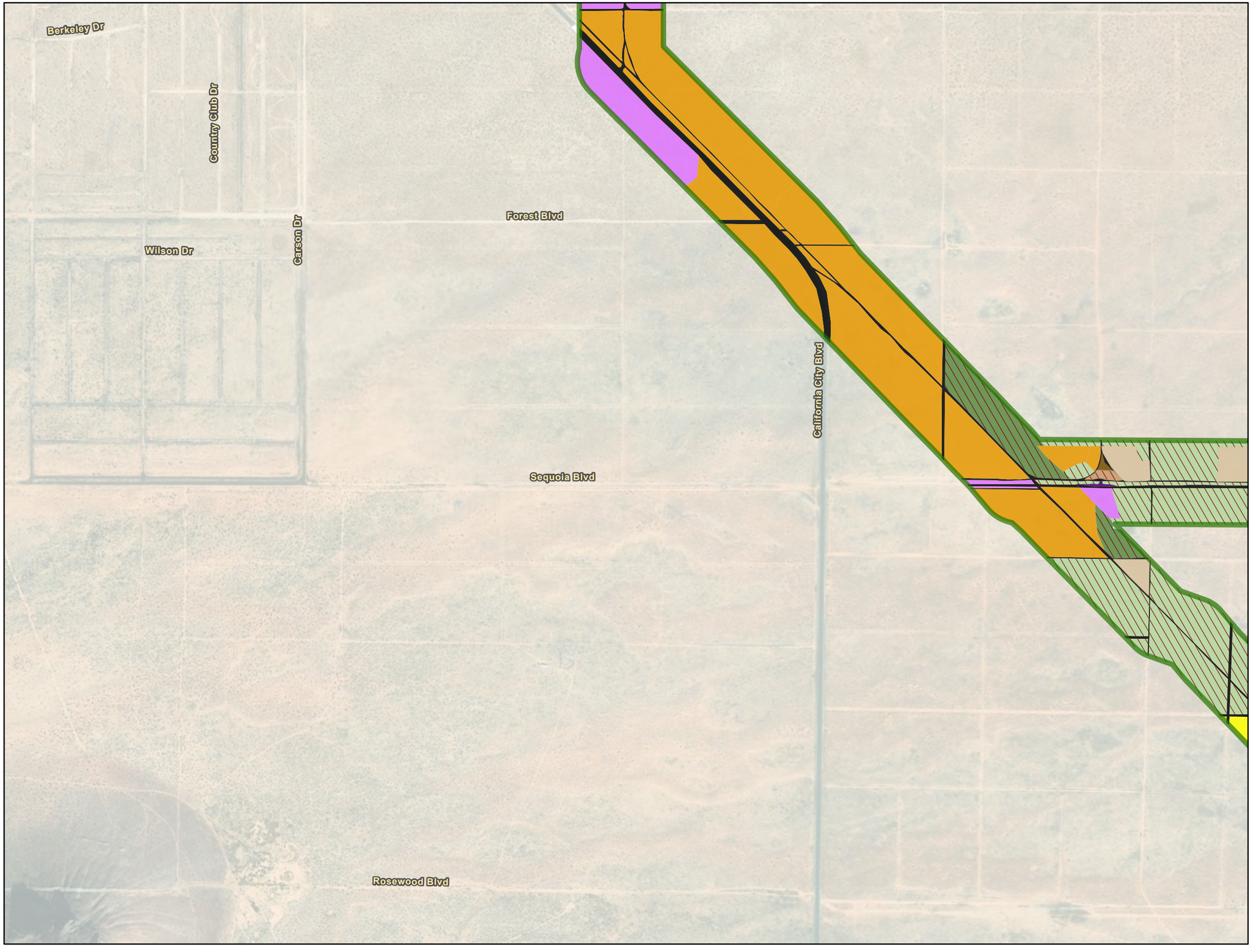
Vegetation Communities & Land Cover Types



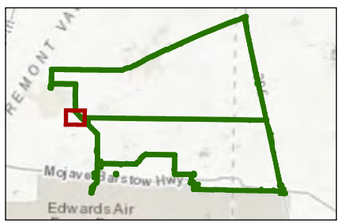
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed
- Fourwing saltbush scrub
- Rubber rabbitbrush scrub
- White bursage scrub
- Winterfat scrubland
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Anderson’s boxthorn scrub Provisional association)
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Cooper’s boxthorn scrub Provisional association)

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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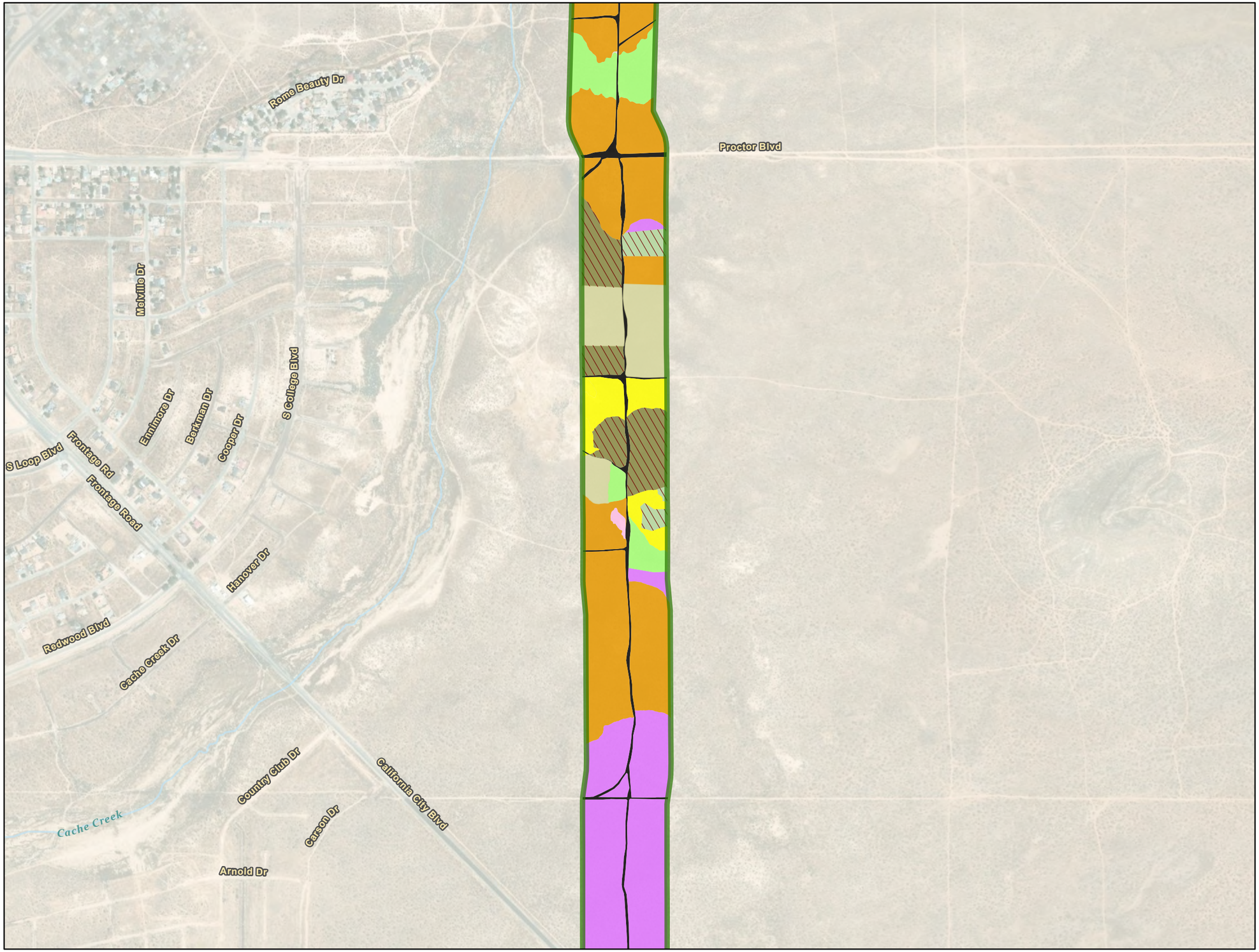


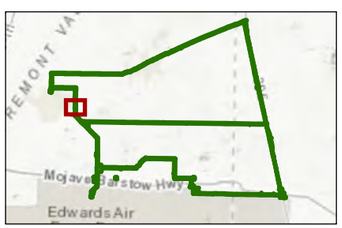
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Allscale scrub
- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Dry Lake / Mudflats / Playa
- Spinescale scrub
- White bursage scrub
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Nevada joint fir – Anderson's boxthorn scrub association)

0 400 800 Feet



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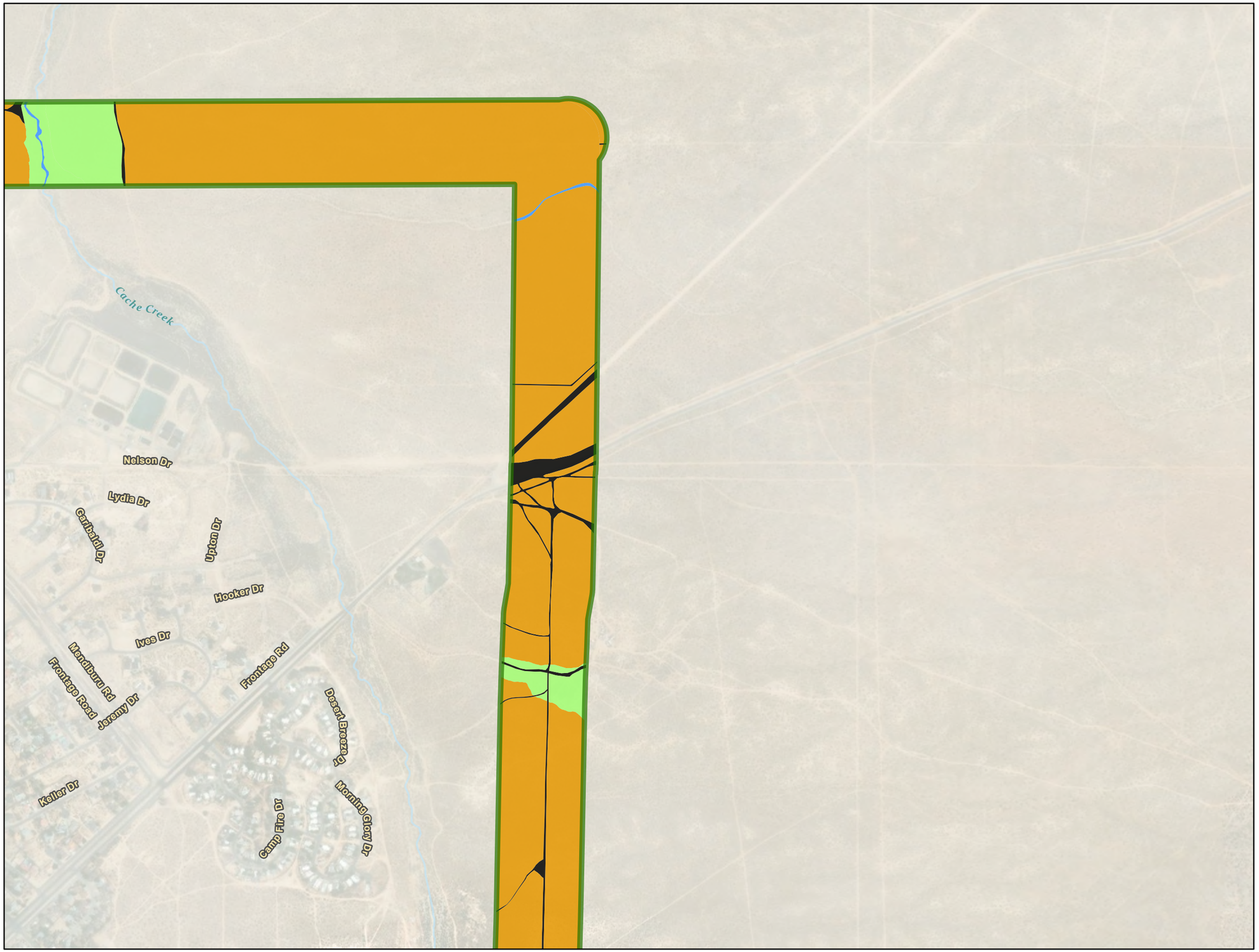
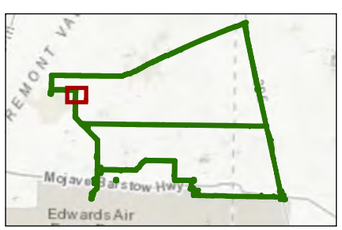


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Allscale scrub
- Creosote bush - white bursage scrub
- Developed
- Streambed

0 400 800 Feet



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Cal City Substation 115 kV Upgrade Project

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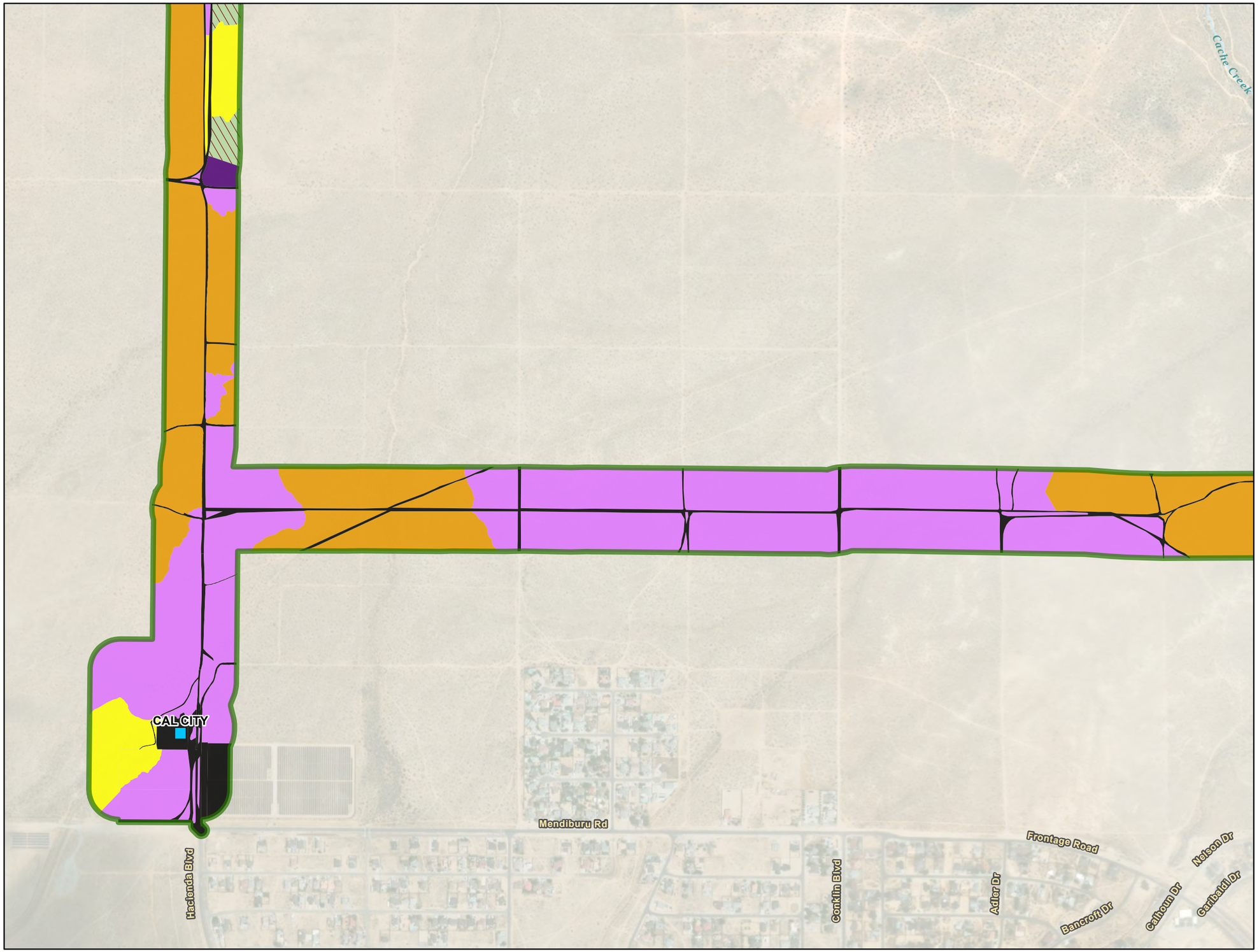
Vegetation Communities & Land Cover Types

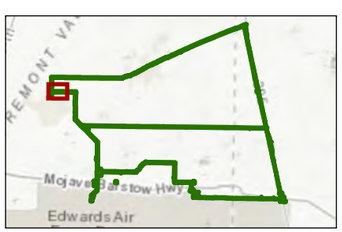


- Existing Substation
- 2021/2022 Study Area
- Sensitive Communities

Vegetation Communities & Land Cover Types

- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Rubber rabbitbrush scrub
- White bursage scrub

0 400 800 Feet



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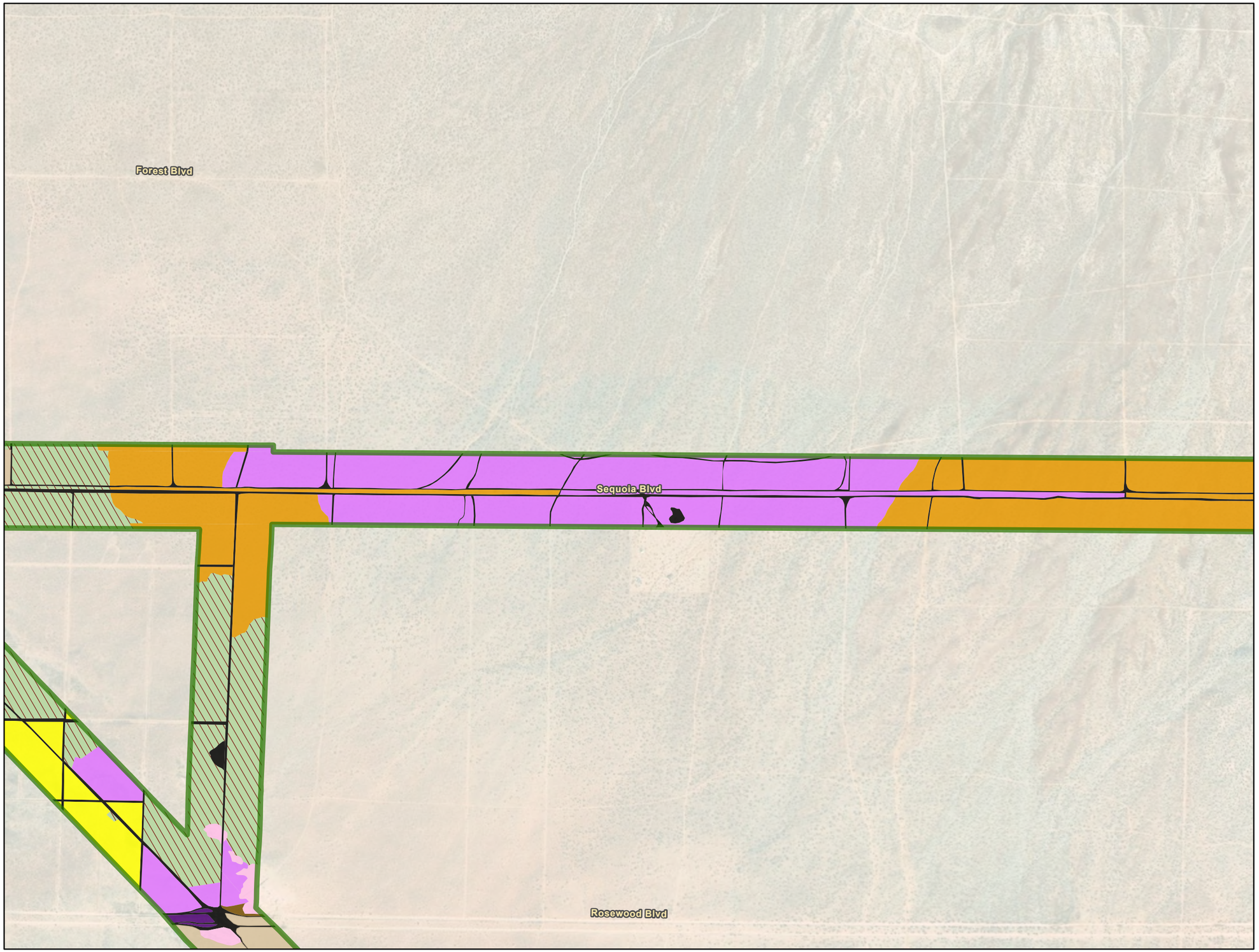


Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

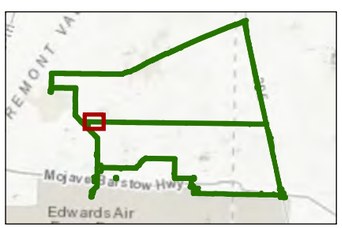
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed
- Dry Lake / Mudflats / Playa
- Rubber rabbitbrush scrub
- White bursage scrub
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Cooper's boxthorn scrub Provisional association)

0 400 800 Feet



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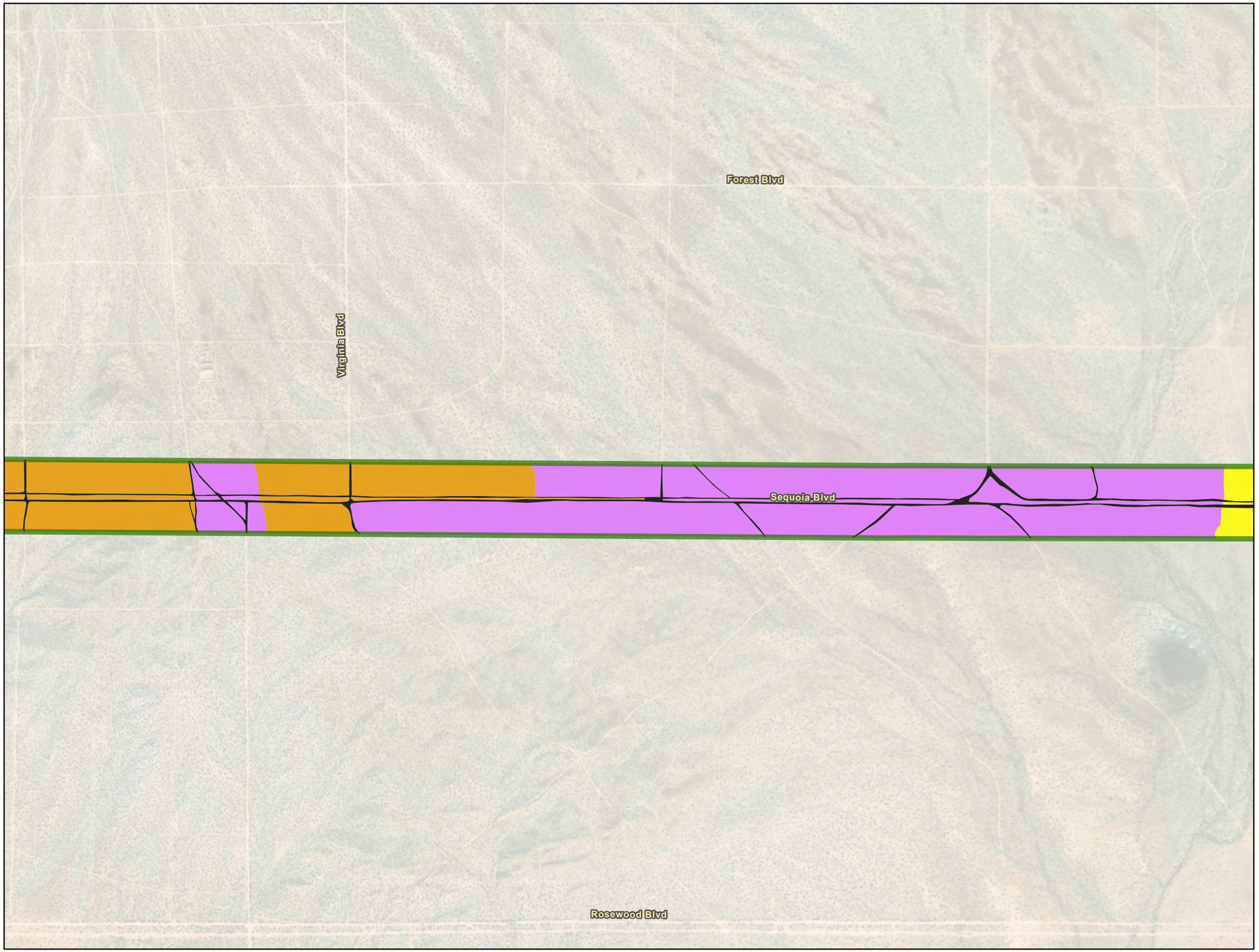
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

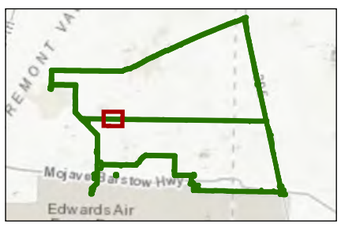


2021/2022 Study Area

Vegetation Communities & Land Cover Types

- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed

0 400 800 Feet



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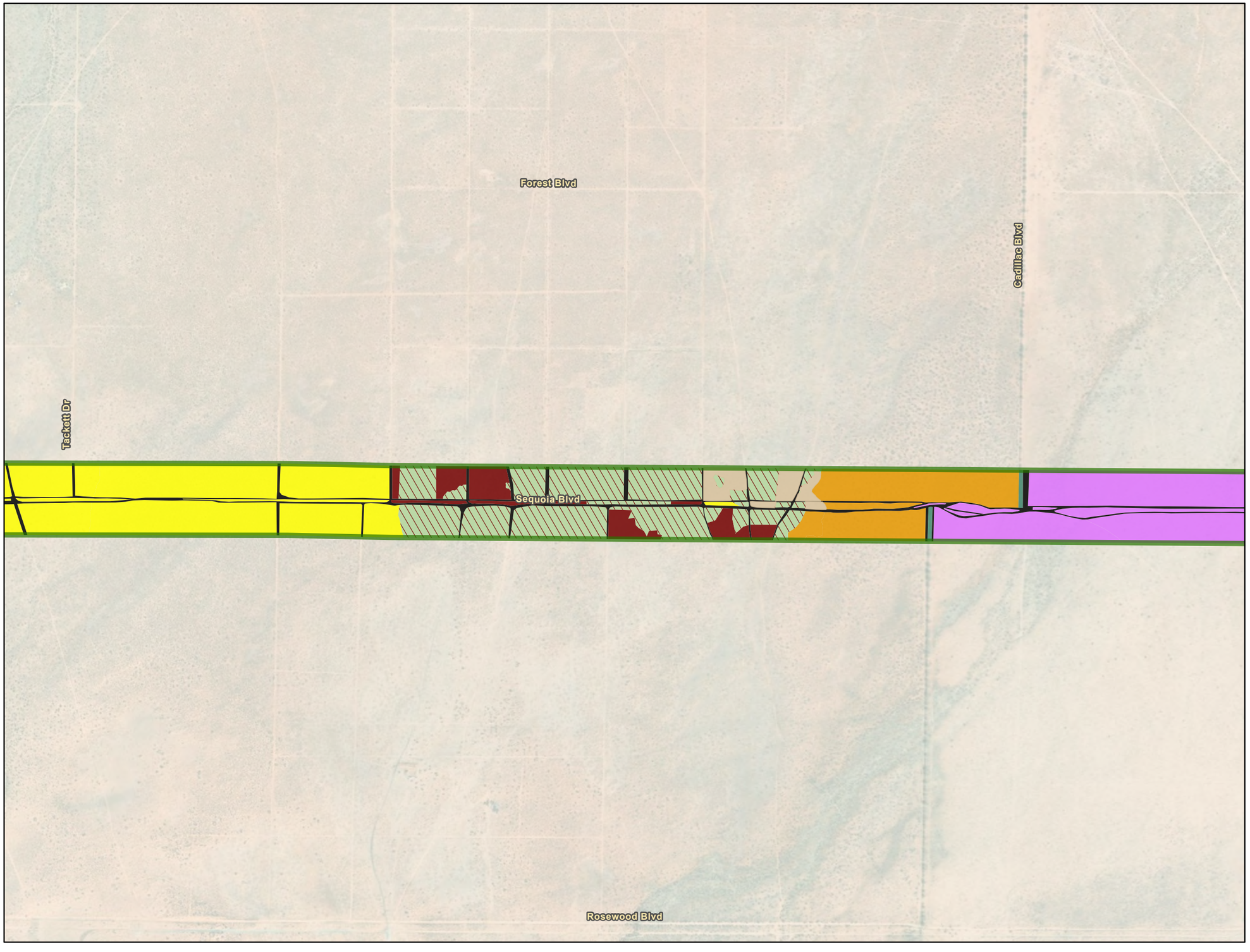


Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

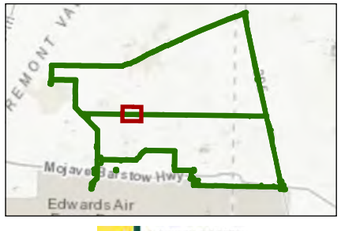
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Buckhorn cholla / big galleta grass scrub
- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- White bursage scrub
- Tamarisk thickets
- Nevada joint fir - Anderson's boxthorn - spiny hop sage scrub (Cooper's boxthorn scrub Provisional association)

0 400 800 Feet



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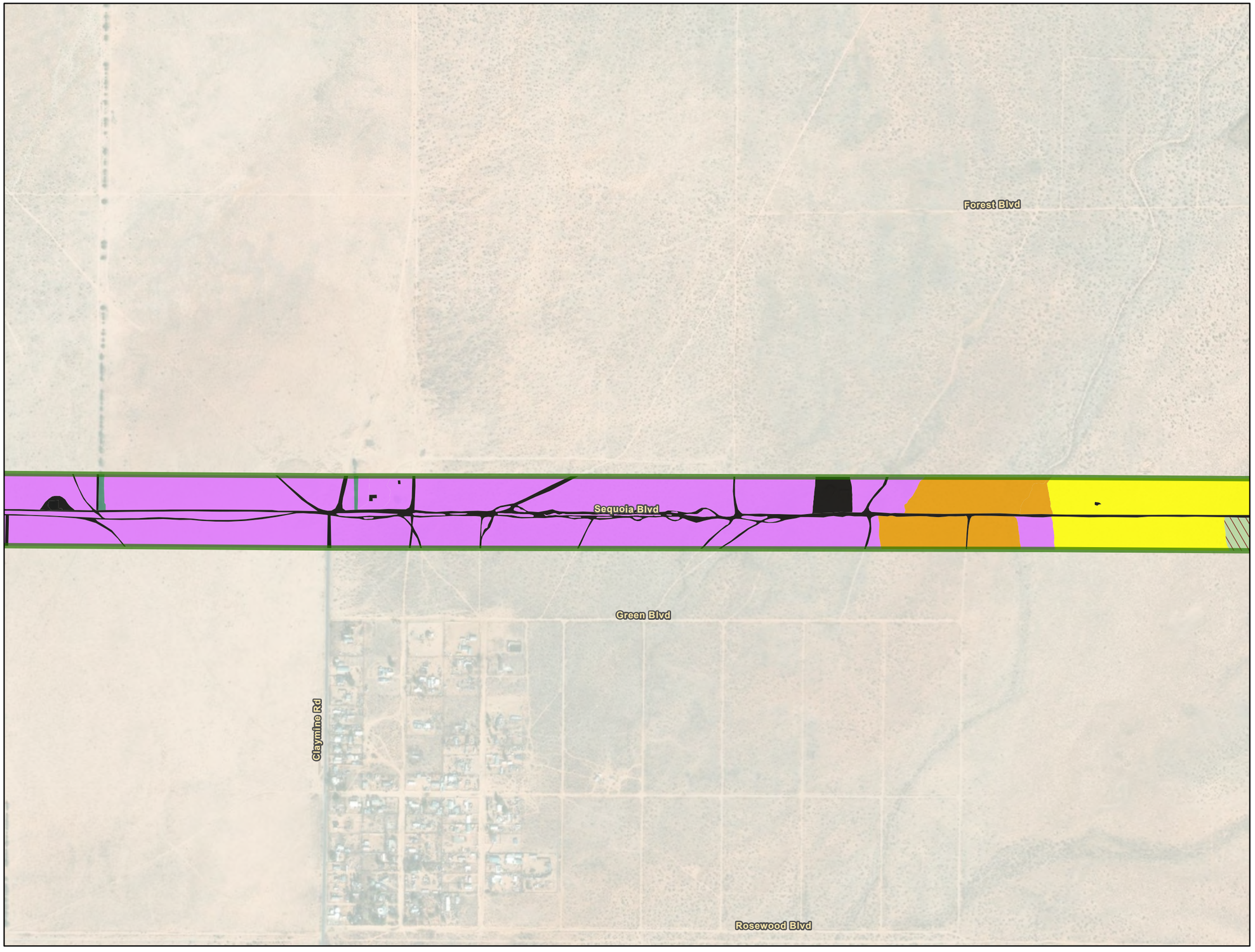
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

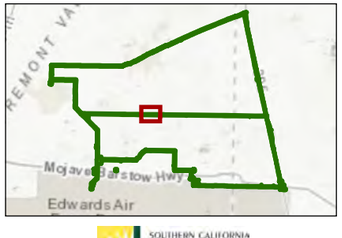


- 2021/2022 Study Area
- Sensitive Communities

Vegetation Communities & Land Cover Types

- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- White bursage scrub
- Tamarisk thickets

0 400 800 Feet



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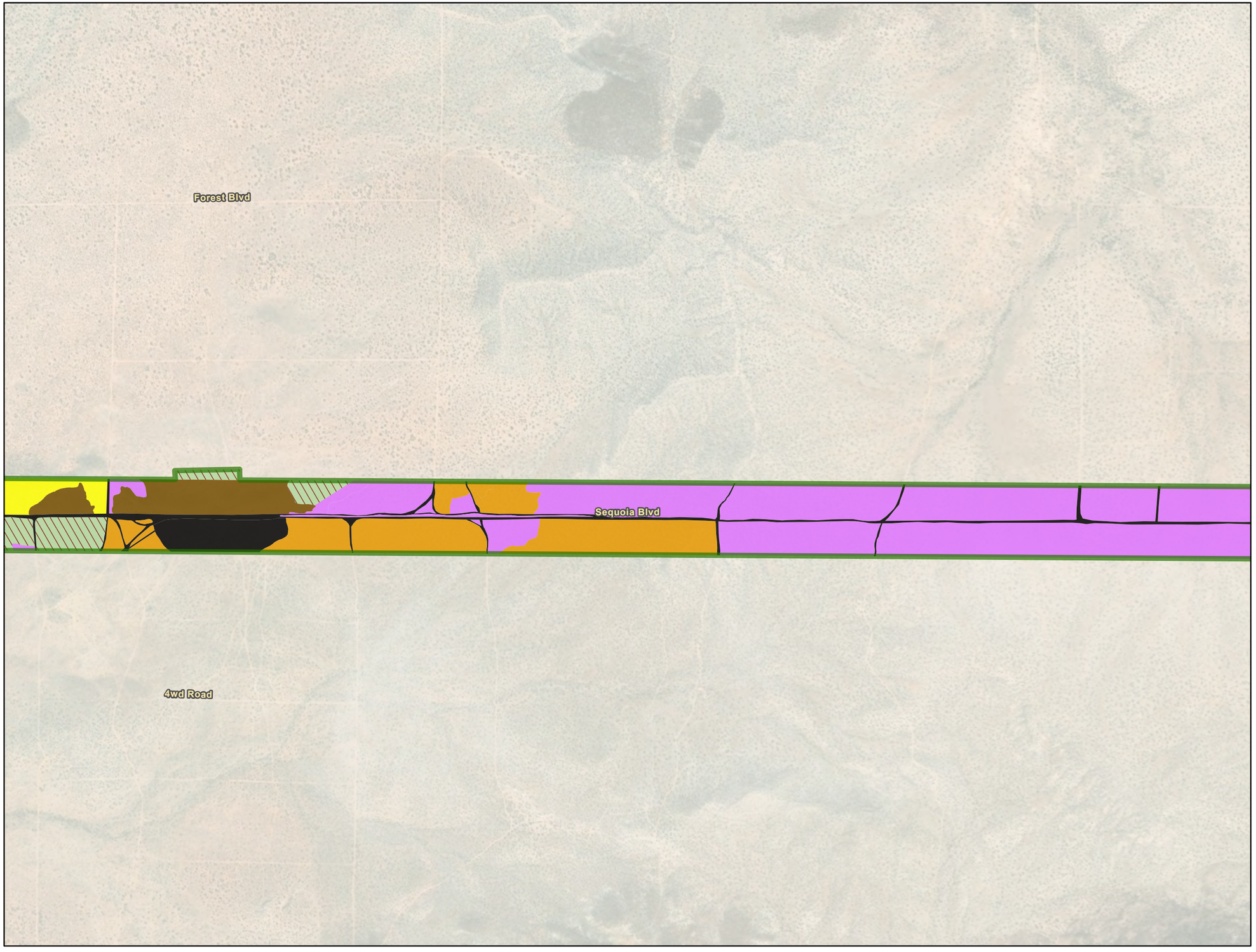
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



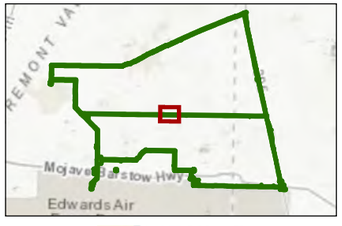
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Disturbed
- White bursage scrub

0 400 800 Feet



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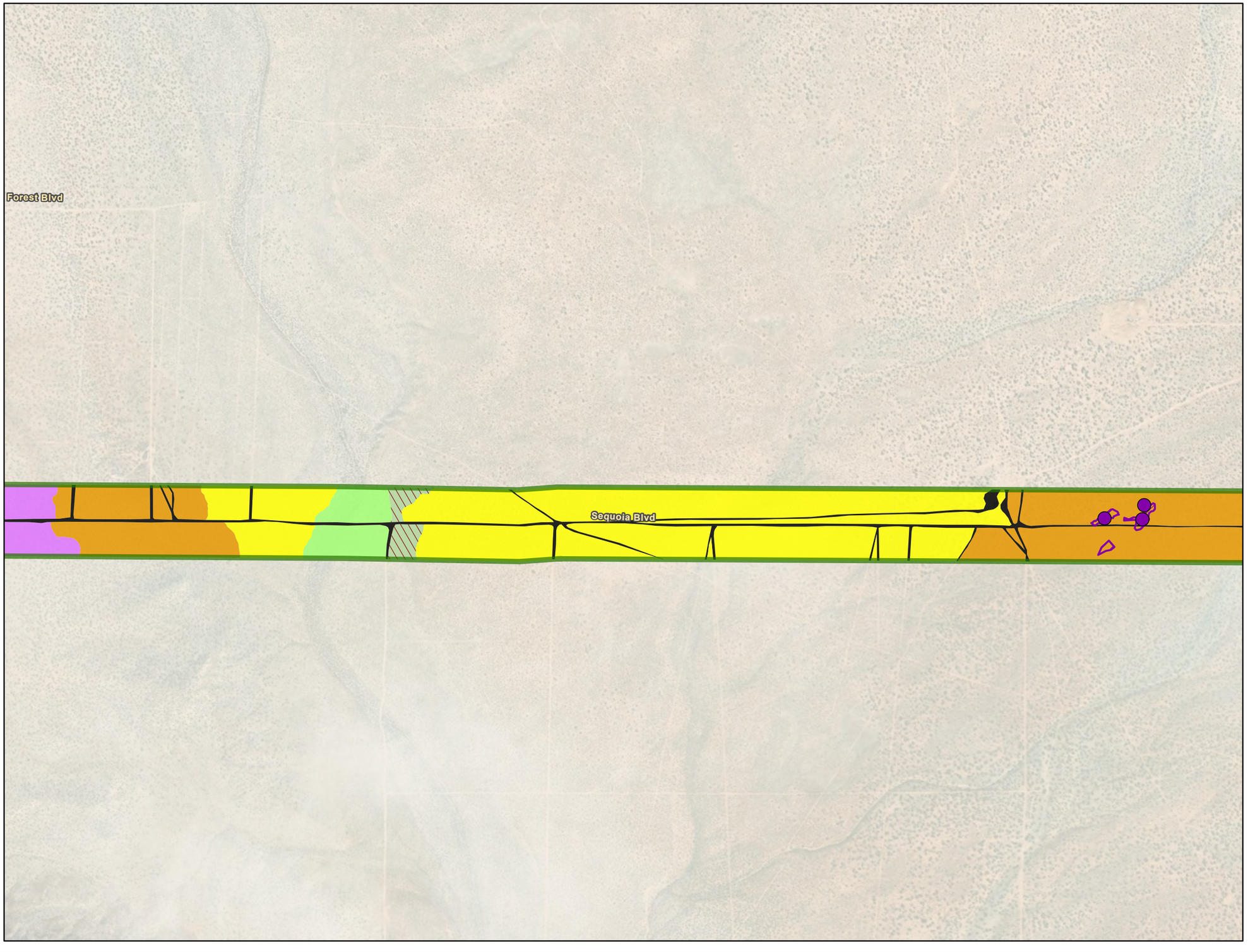


Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types

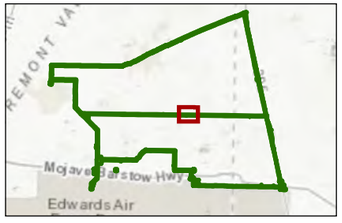
- 2021/2022 Study Area
- Sensitive Communities

Rare Plant Observation
- Mojave Spineflower

Rare Plant Observation
- Mojave Spineflower

Vegetation Communities & Land Cover Types
- Allscale scrub
- Cheesebush - sweetbush scrub
- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- White bursage scrub

0 400 800 Feet



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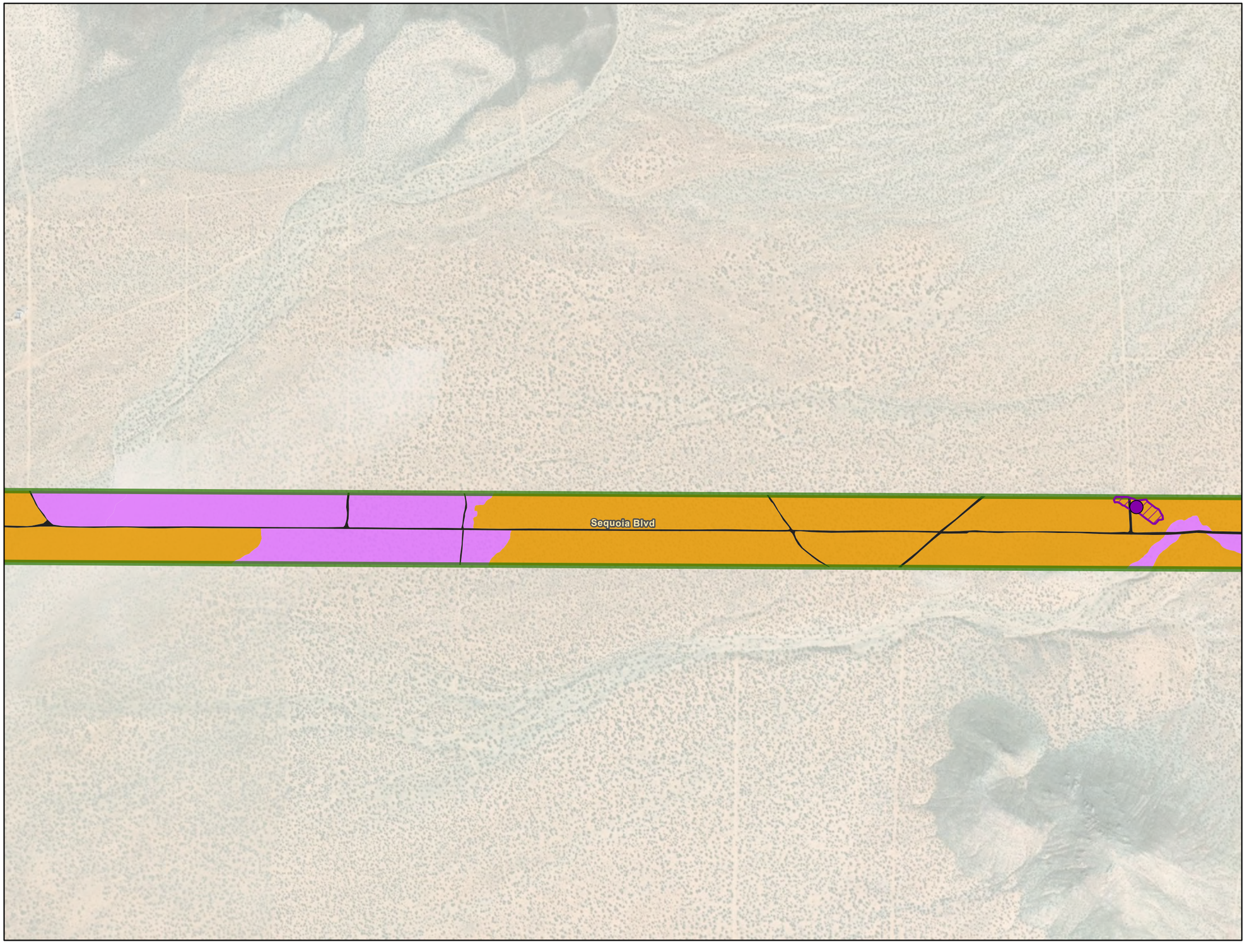
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



2021/2022 Study Area

Rare Plant Observation
Mojave Spineflower

Rare Plant Observation
Mojave Spineflower

Vegetation Communities & Land Cover Types
Creosote bush - white bursage scrub
Creosote bush scrub
Developed

0 400 800 Feet

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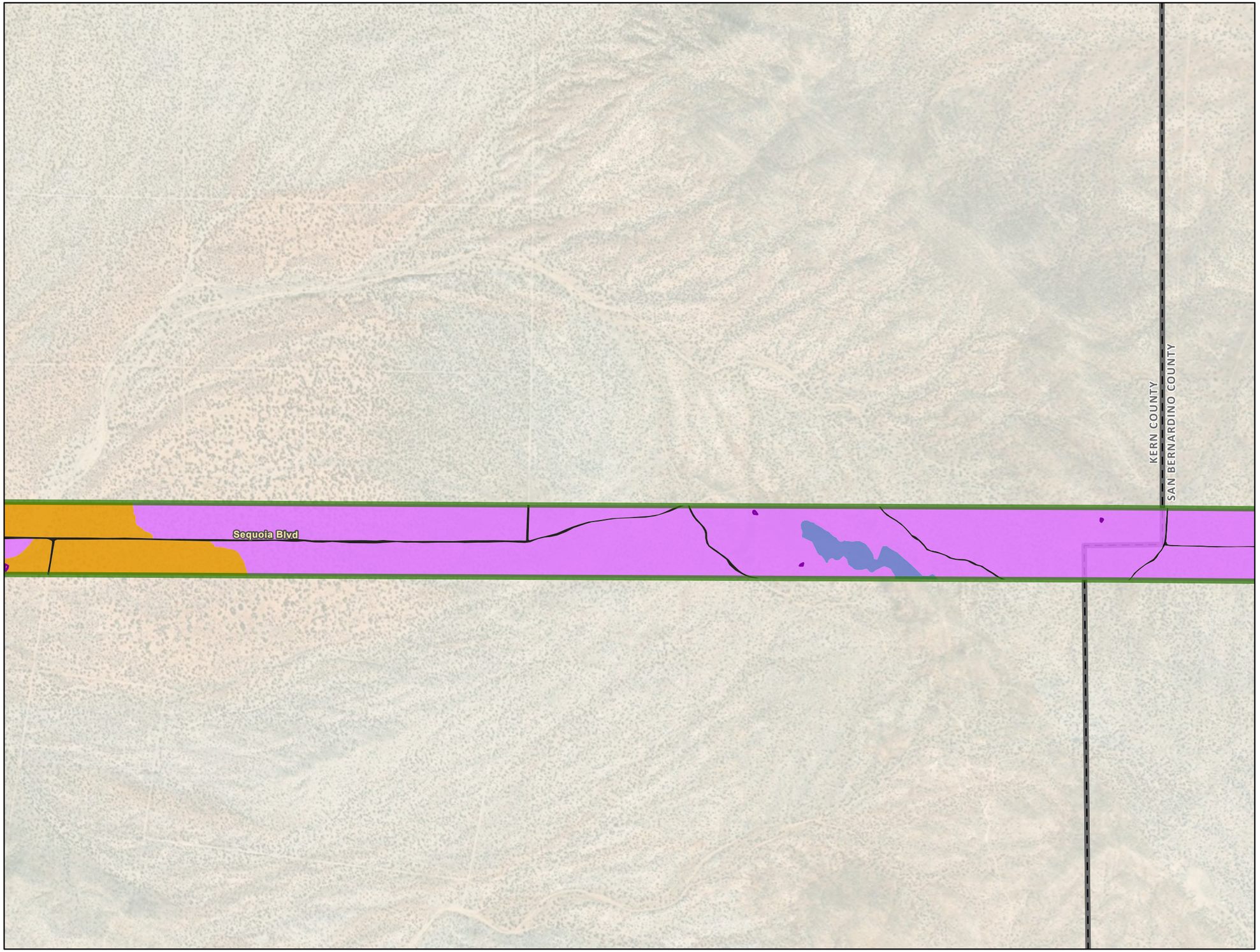
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



2021/2022 Study Area

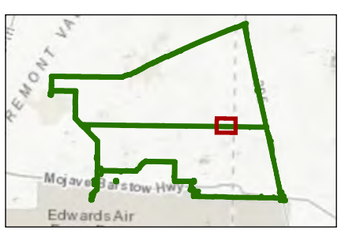
Rare Plant Observation

Mojave Spineflower

Vegetation Communities & Land Cover Types

- Creosote bush - white bursage scrub
- Creosote bush scrub
- Developed
- Shadscale scrub

0 400 800 Feet



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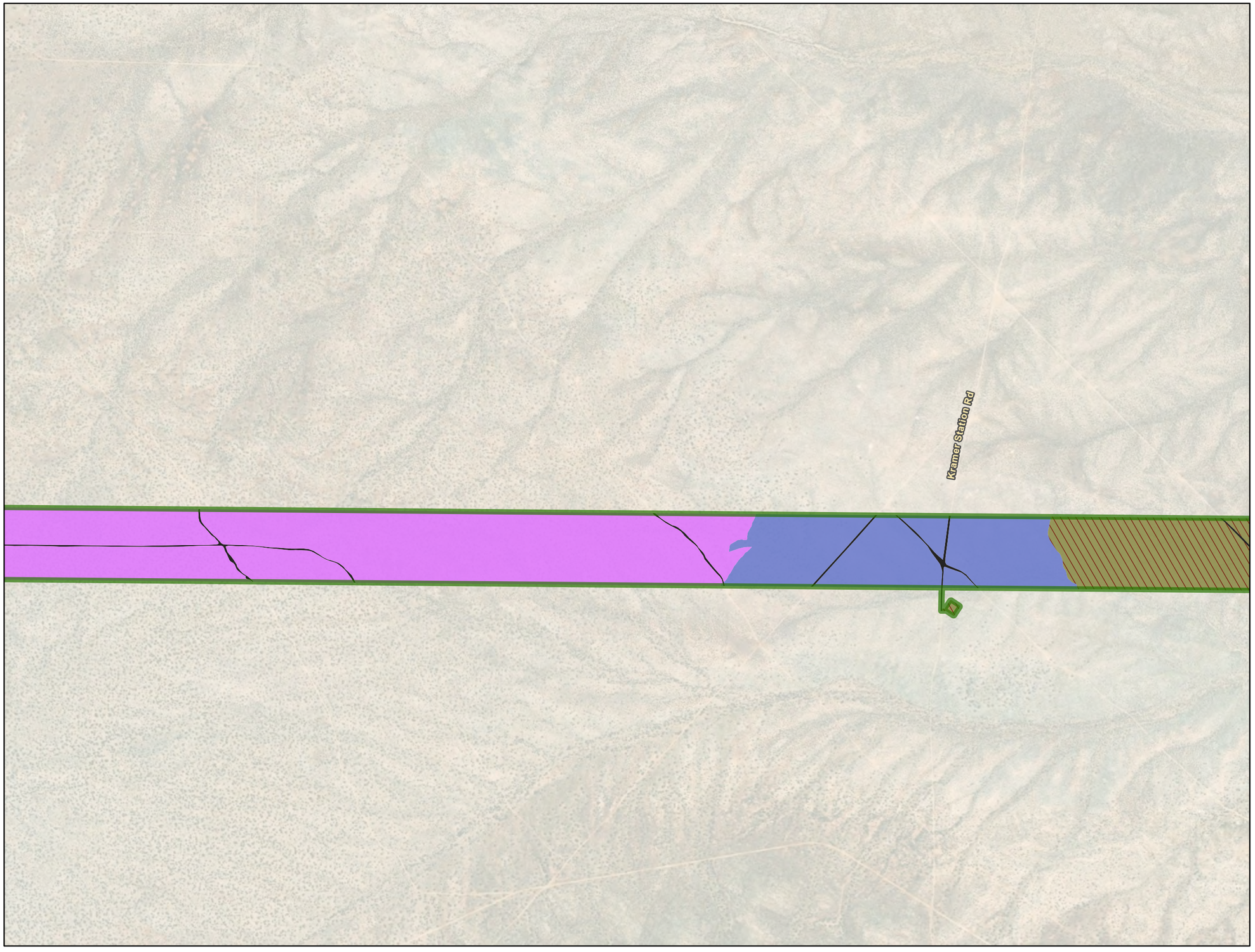
Cal City Substation 115 kV Upgrade Project

Appendix H
Vegetation Communities & Land Cover Types



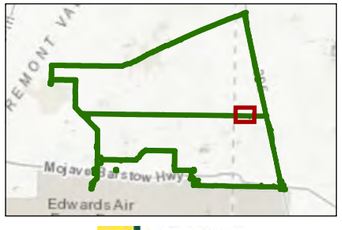
2021/2022 Study Area

Sensitive Communities

Vegetation Communities & Land Cover Types

- Creosote bush scrub
- Developed
- Shadscale scrub
- Spinescale scrub

0 400 800 Feet



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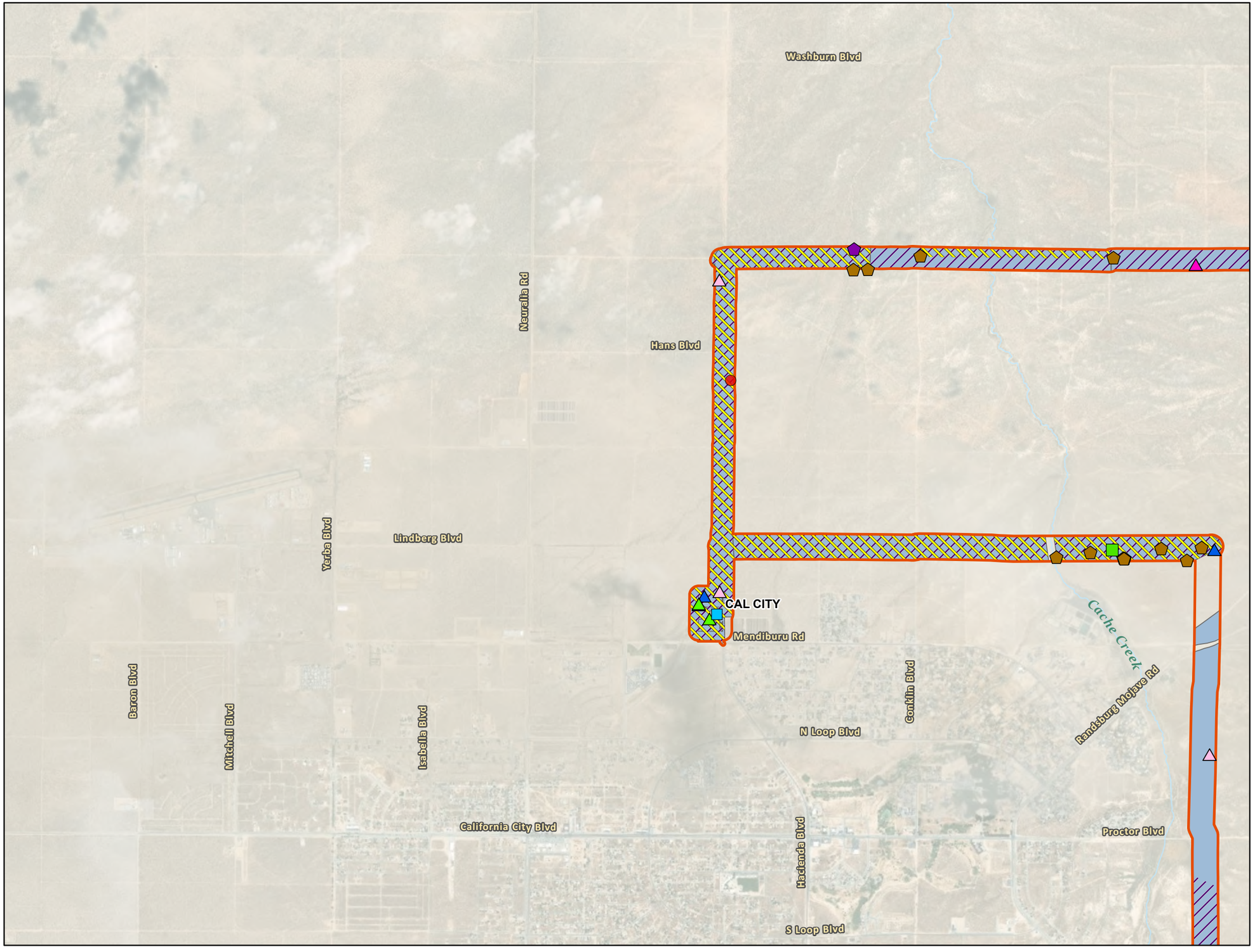
Appendix I

Special Status Species Habitat and Wildlife Species Observations

Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations



- Existing Substation
- 2021/2022 Study Area
- Bird Nest (Unknown Raptor/ Raven)

Special Status Species Observations

- California Horned Lark
- LeConte's Thrasher
- Loggerhead Shrike
- Prairie Falcon

Burrowing Owl Observations

- Live

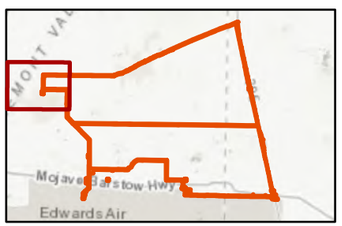
Mohave Desert Tortoise Observations

- Burrow
- Carcass
- Live Tortoise

Habitat Type

- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

0 0.25 0.5 Miles



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Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations

2021/2022 Study Area

Special Status Species Observations

California Horned Lark

Desert Kit Fox Observations

Active Burrow

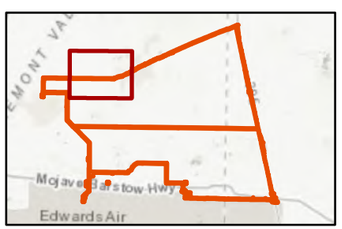
Habitat Type

Burrowing Owl

Desert Tortoise

Mohave Ground Squirrel

0 0.25 0.5 Miles



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Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations

2021/2022 Study Area

Special Status Species Observations

California Horned Lark

Burrowing Owl Observations

Active Burrow

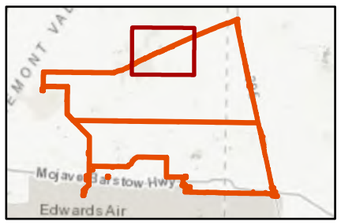
Habitat Type

Burrowing Owl

Desert Tortoise

Mohave Ground Squirrel

0 0.25 0.5 Miles



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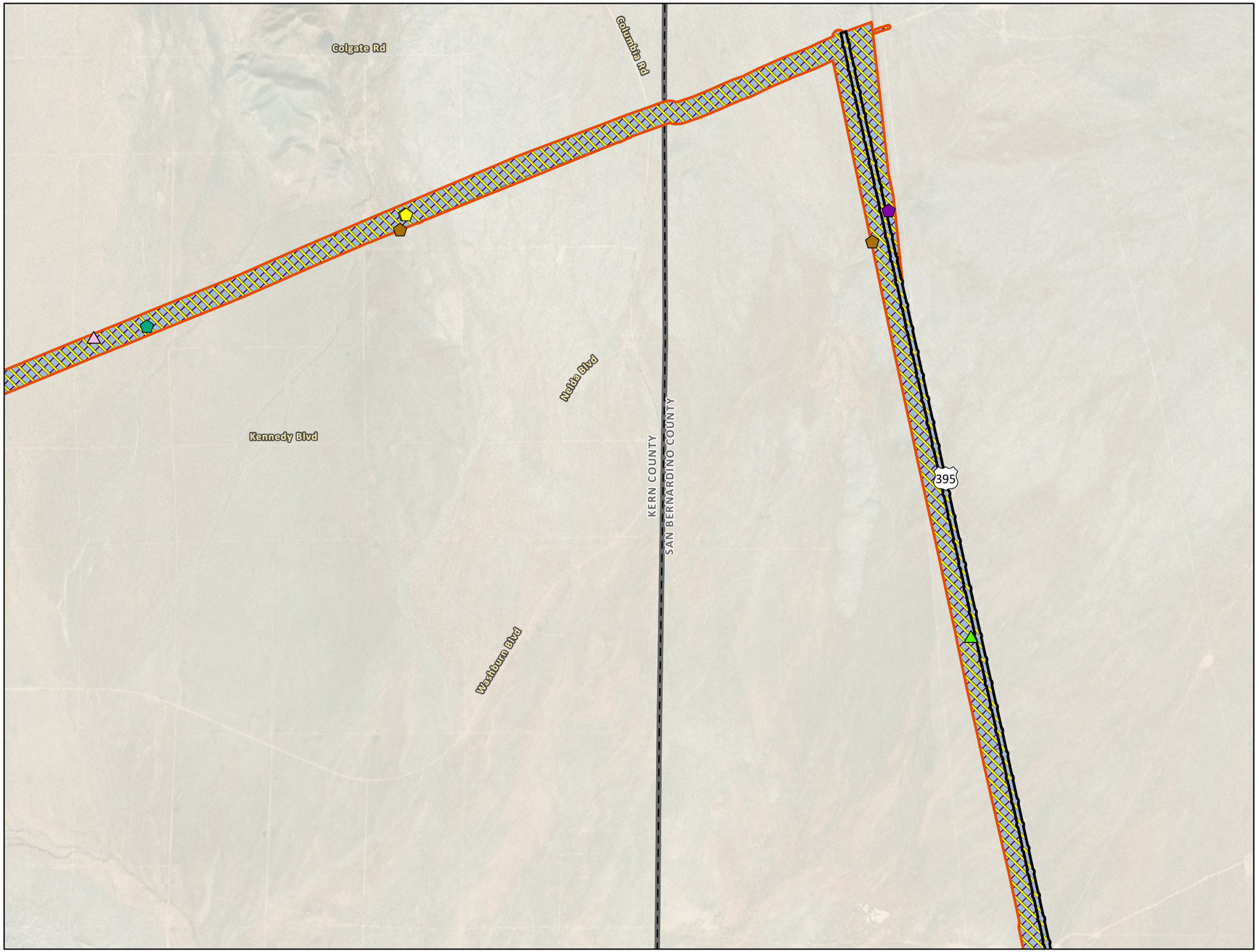
Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)*

Special Status Species Observations

- Loggerhead Shrike
- Prairie Falcon

Mohave Desert Tortoise Observations

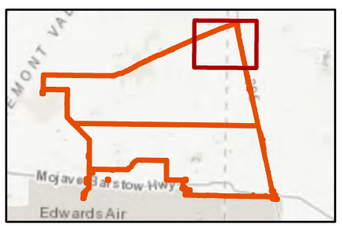
- Burrow
- Carcass
- Live Tortoise
- Pallet

Habitat Type

- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

* Considered same habitat quality as adjacent areas surveyed in 2021/2022 for this BRTR.

0 0.25 0.5 Miles



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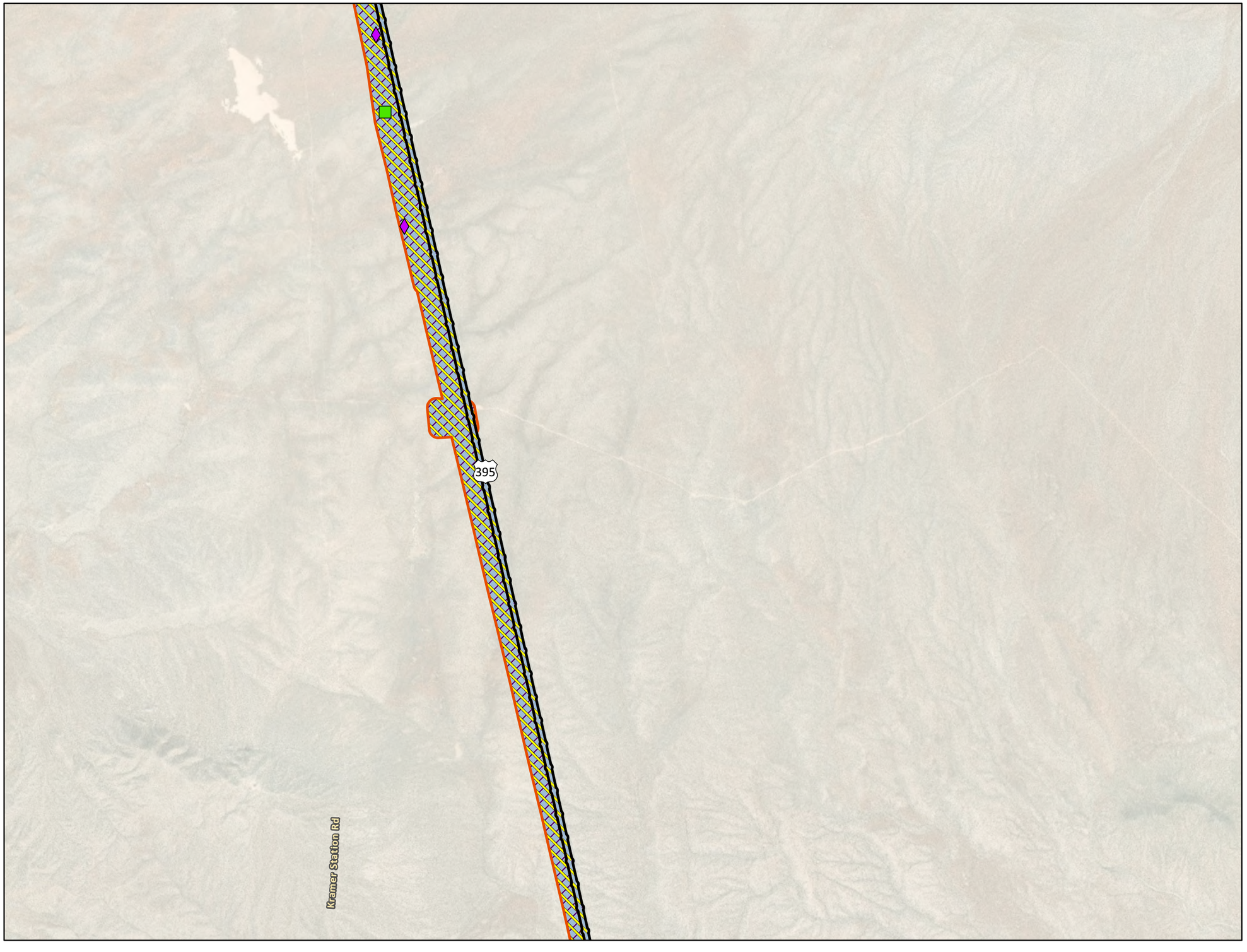
Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)*

Burrowing Owl Observations

Live

Desert Kit Fox Observations

Active Burrow

Habitat Type

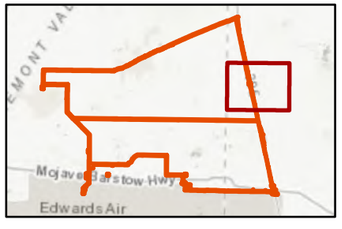
Burrowing Owl

Desert Tortoise

Mohave Ground Squirrel

* Considered same habitat quality as adjacent areas surveyed in 2021/2022 for this BRTR.

0 0.25 0.5 Miles



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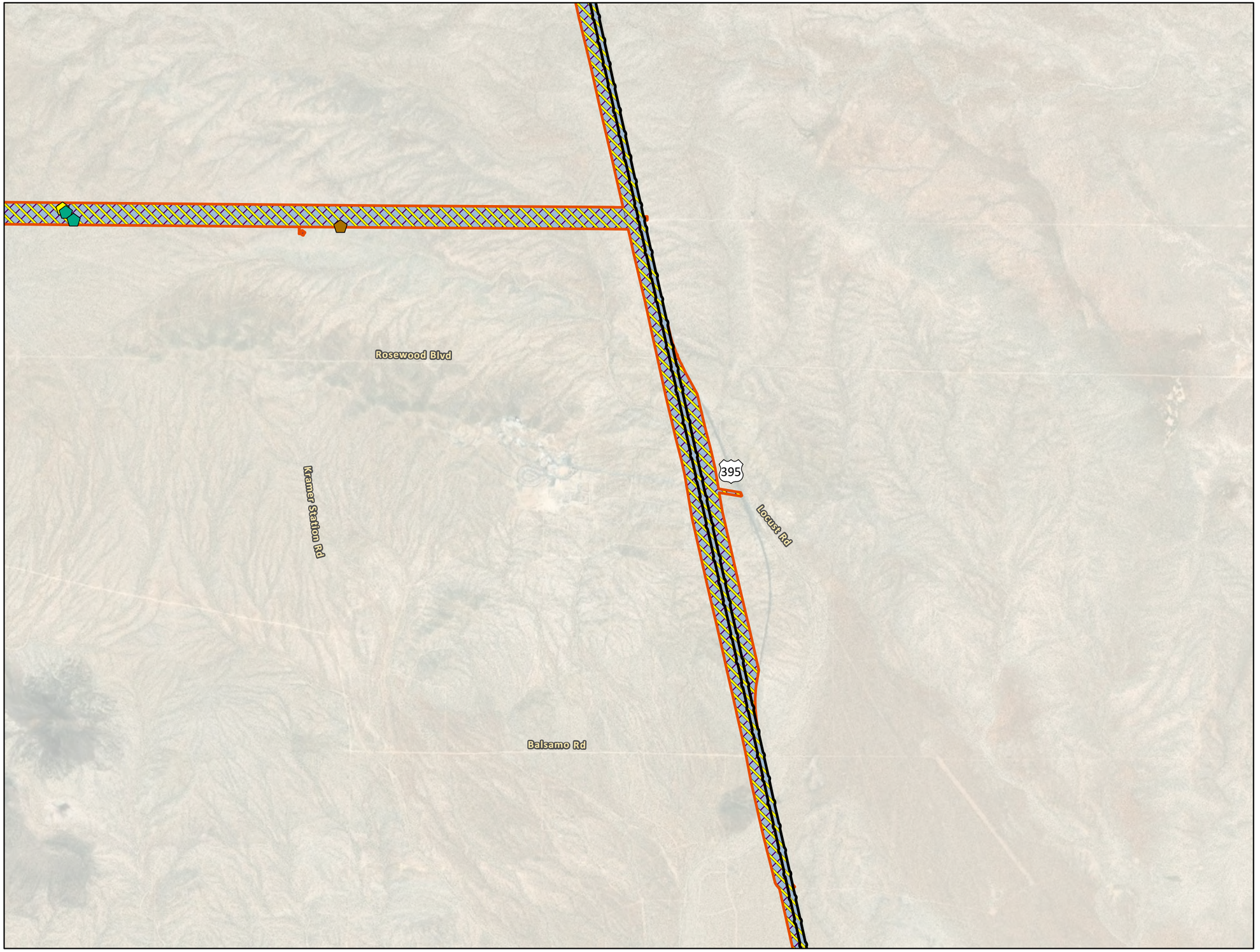
Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)*

Mohave Desert Tortoise Observations

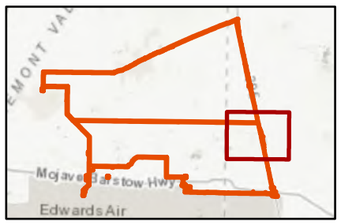
- Burrow
- Live Tortoise
- Pallet

Habitat Type

- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

* Considered same habitat quality as adjacent areas surveyed in 2021/2022 for this BRTR.

0 0.25 0.5 Miles



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Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations

- Existing Substation
- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)*

Special Status Species Observations

- California Horned Lark
- LeConte's Thrasher
- Loggerhead Shrike

Mohave Desert Tortoise Observations

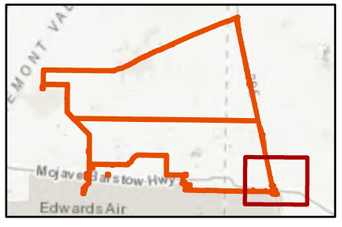
- Carcass

Habitat Type

- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

* Considered same habitat quality as adjacent areas surveyed in 2021/2022 for this BRTR.

0 0.25 0.5 Miles



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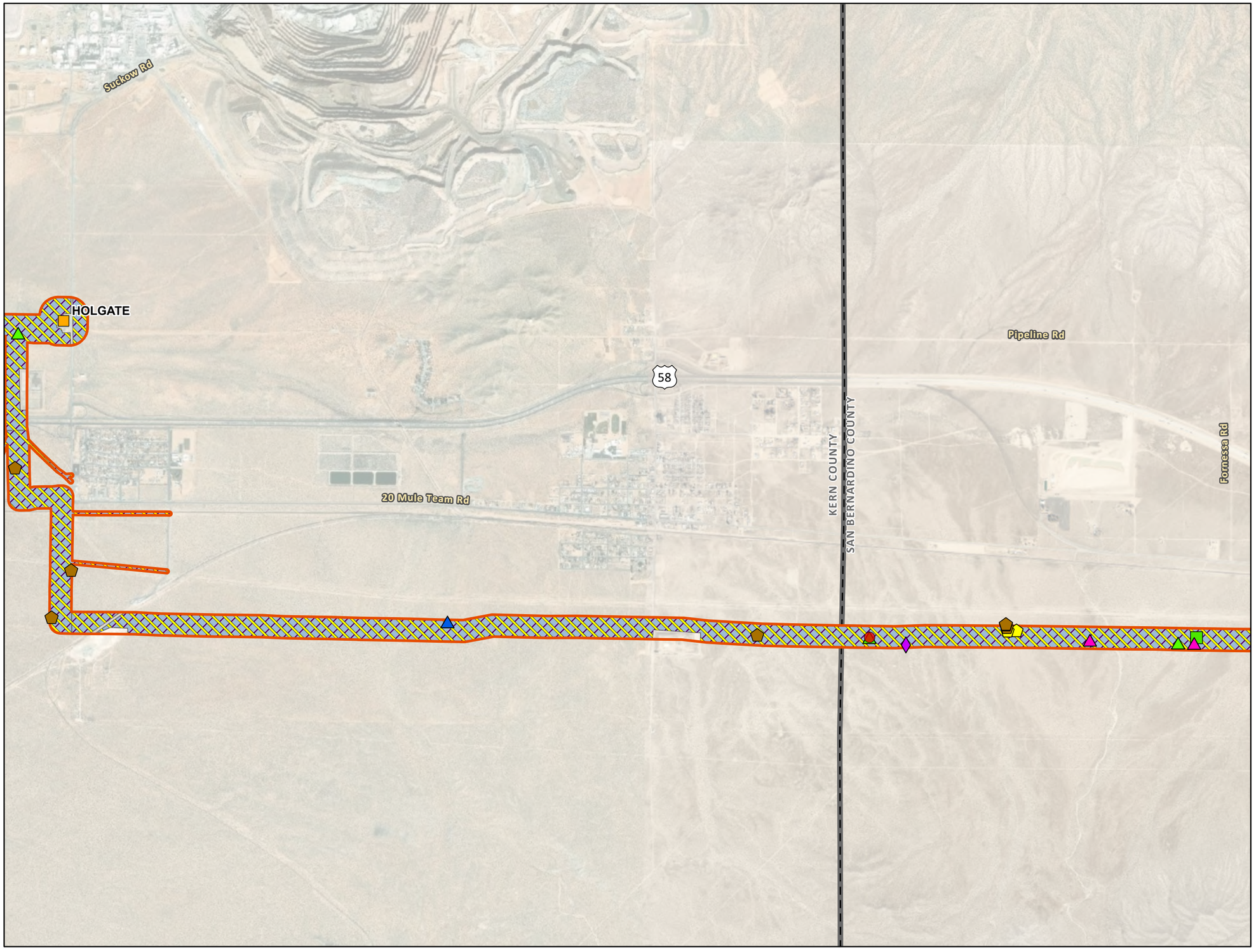
Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations



- Existing Switchyard
- 2021/2022 Study Area
- Bird Nest (Unknown Raptor/ Raven)

Special Status Species Observations

- California Horned Lark
- LeConte's Thrasher
- Loggerhead Shrike

Burrowing Owl Observations

- Live

Desert Kit Fox Observations

- Active Burrow

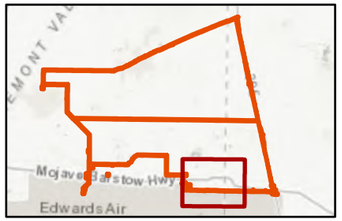
Mohave Desert Tortoise Observations

- Burrow
- Live Tortoise

Habitat Type

- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

0 0.25 0.5 Miles



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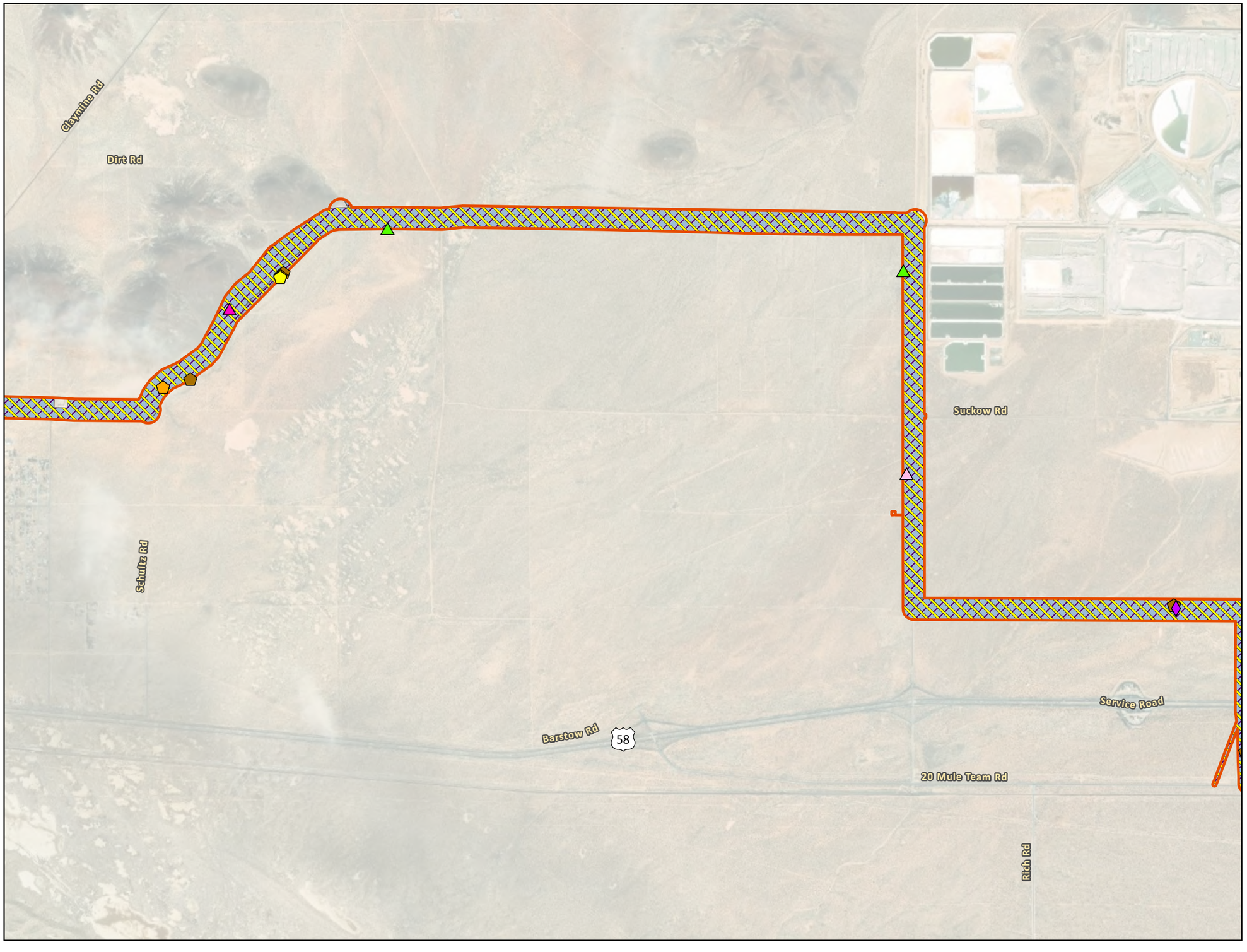
Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations



2021/2022 Study Area

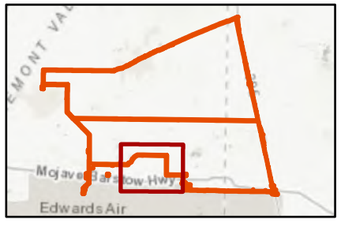
Special Status Species Observations
- California Horned Lark
- Loggerhead Shrike
- Prairie Falcon

Desert Kit Fox Observations
- Active Burrow

Mohave Desert Tortoise Observations
- Burrow
- Live Tortoise
- Burrow and Scat

Habitat Type
- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

0 0.25 0.5 Miles



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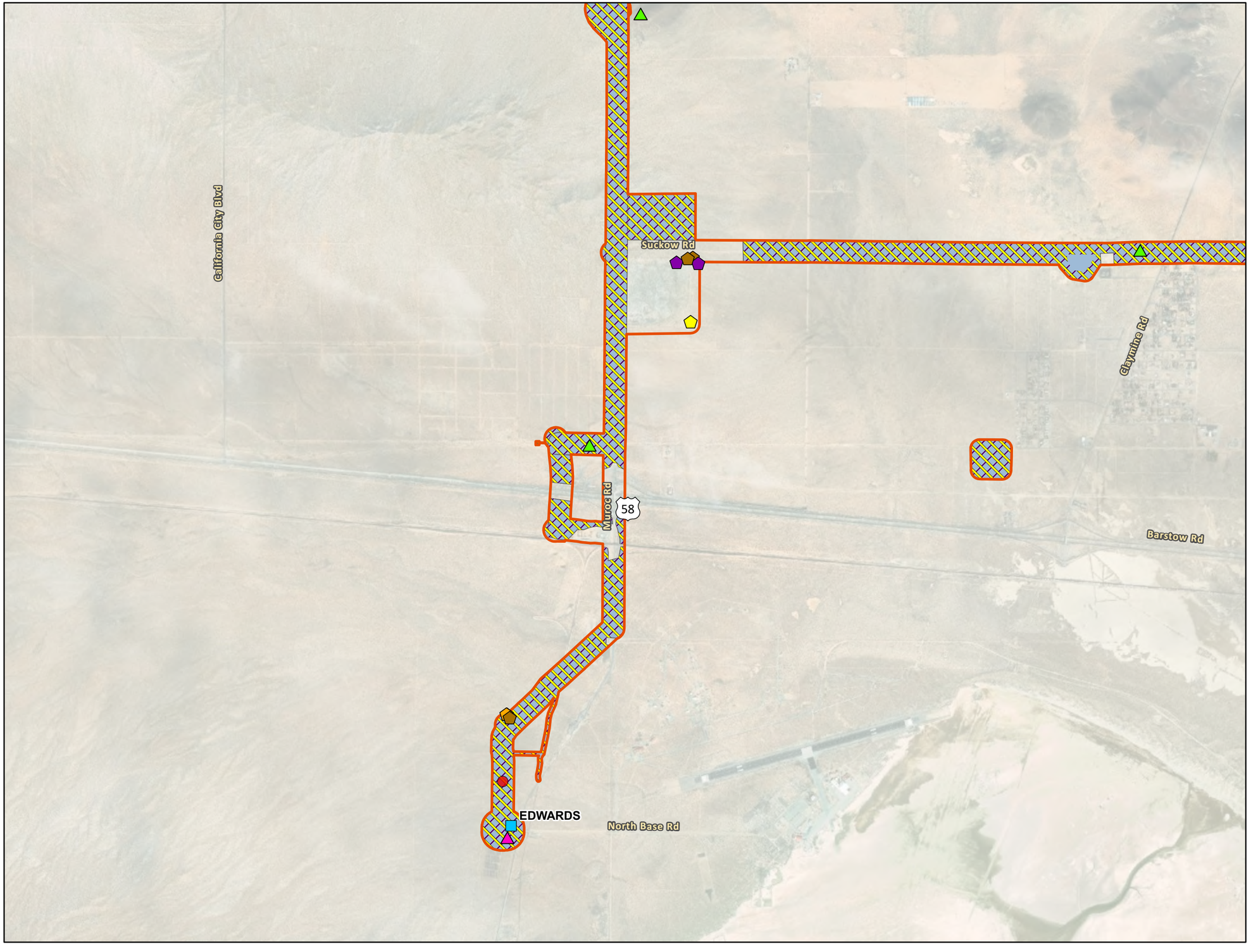
Appendix I
Special Status Species Habitat & Wildlife Species Observations



- Existing Substation
- 2021/2022 Study Area
- Bird Nest (Unknown Raptor/ Raven)

Special Status Species Observations

- California Horned Lark
- Loggerhead Shrike

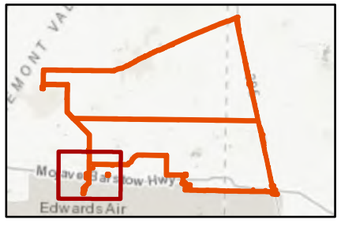
Mohave Desert Tortoise Observations

- Burrow
- Carcass
- Live Tortoise
- Burrow and Scat

Habitat Type

- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

0 0.25 0.5 Miles



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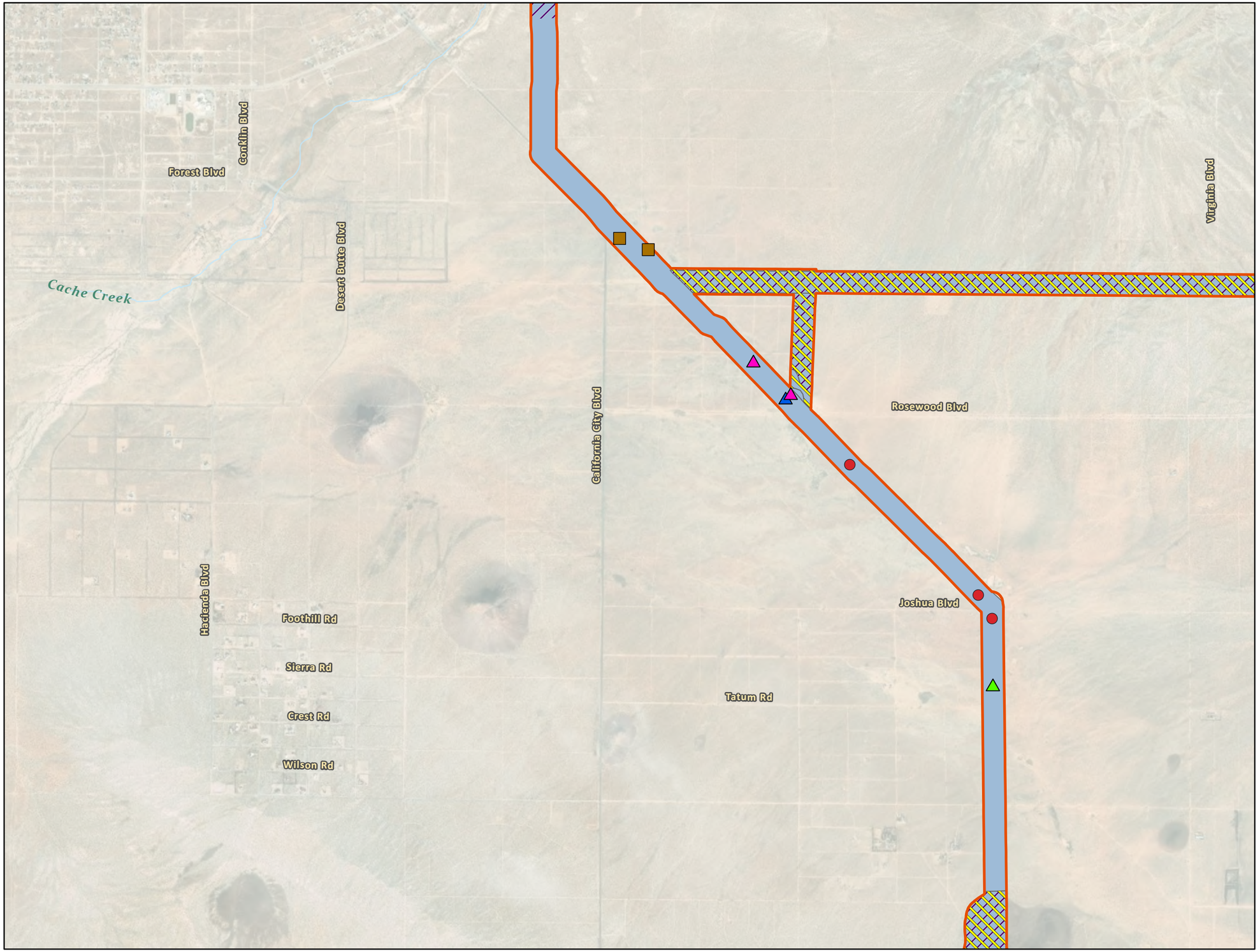
Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations



2021/2022 Study Area

Bird Nest (Unknown Raptor/ Raven)

Special Status Species Observations

- California Horned Lark
- LeConte's Thrasher
- Loggerhead Shrike

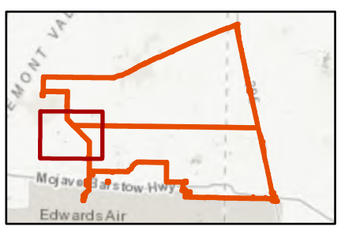
Burrowing Owl Observations

- Active Burrow

Habitat Type

- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

0 0.25 0.5 Miles



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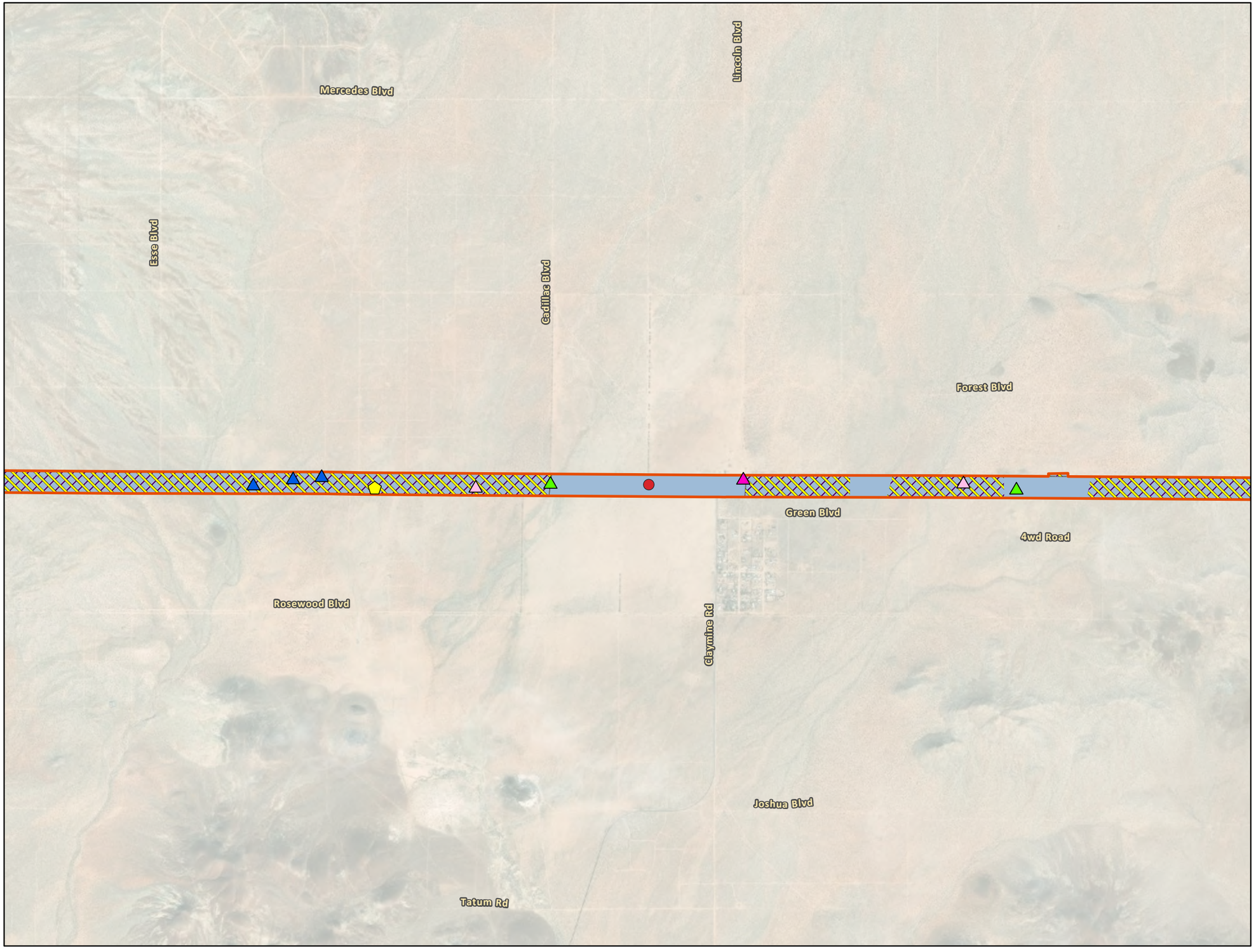
Cal City Substation 115 kV Upgrade Project

Appendix I
Special Status Species Habitat & Wildlife Species Observations



2021/2022 Study Area

Bird Nest (Unknown Raptor/ Raven)

Special Status Species Observations

- California Horned Lark
- LeConte's Thrasher
- Loggerhead Shrike
- Prairie Falcon

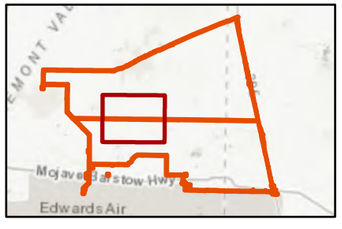
Mohave Desert Tortoise Observations

- Live Tortoise

Habitat Type

- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

0 0.25 0.5 Miles



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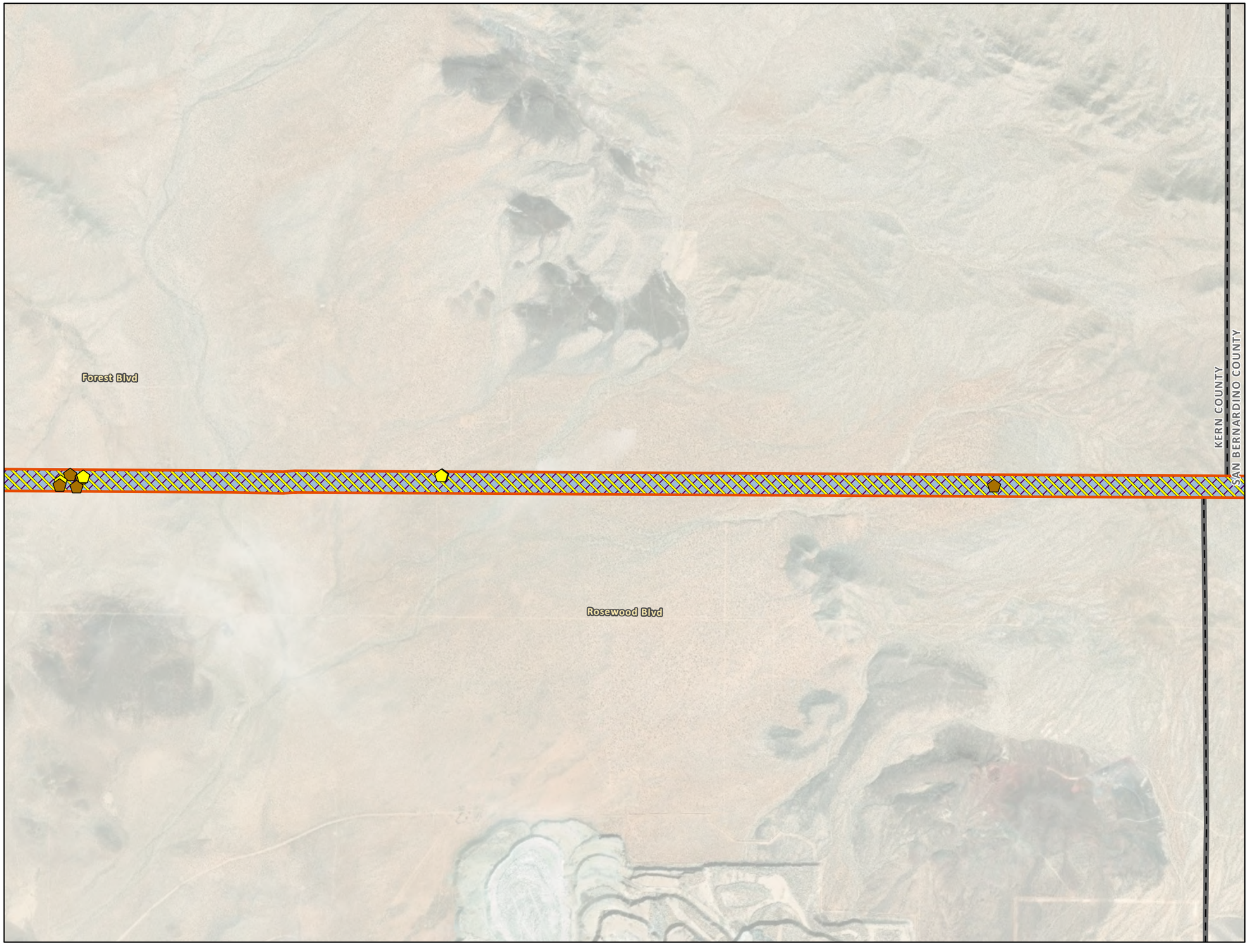
Special Status Species Habitat & Wildlife Species Observations

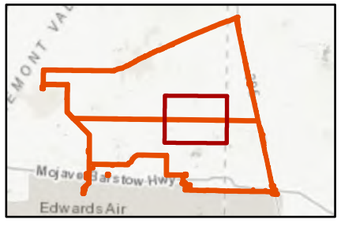


2021/2022 Study Area

Mohave Desert Tortoise Observations
- Burrow
- Live Tortoise
- Pallet

Habitat Type
- Burrowing Owl
- Desert Tortoise
- Mohave Ground Squirrel

0 0.25 0.5 Miles



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Appendix J

Aquatic Resources

Cal City Substation 115 kV Upgrade Project

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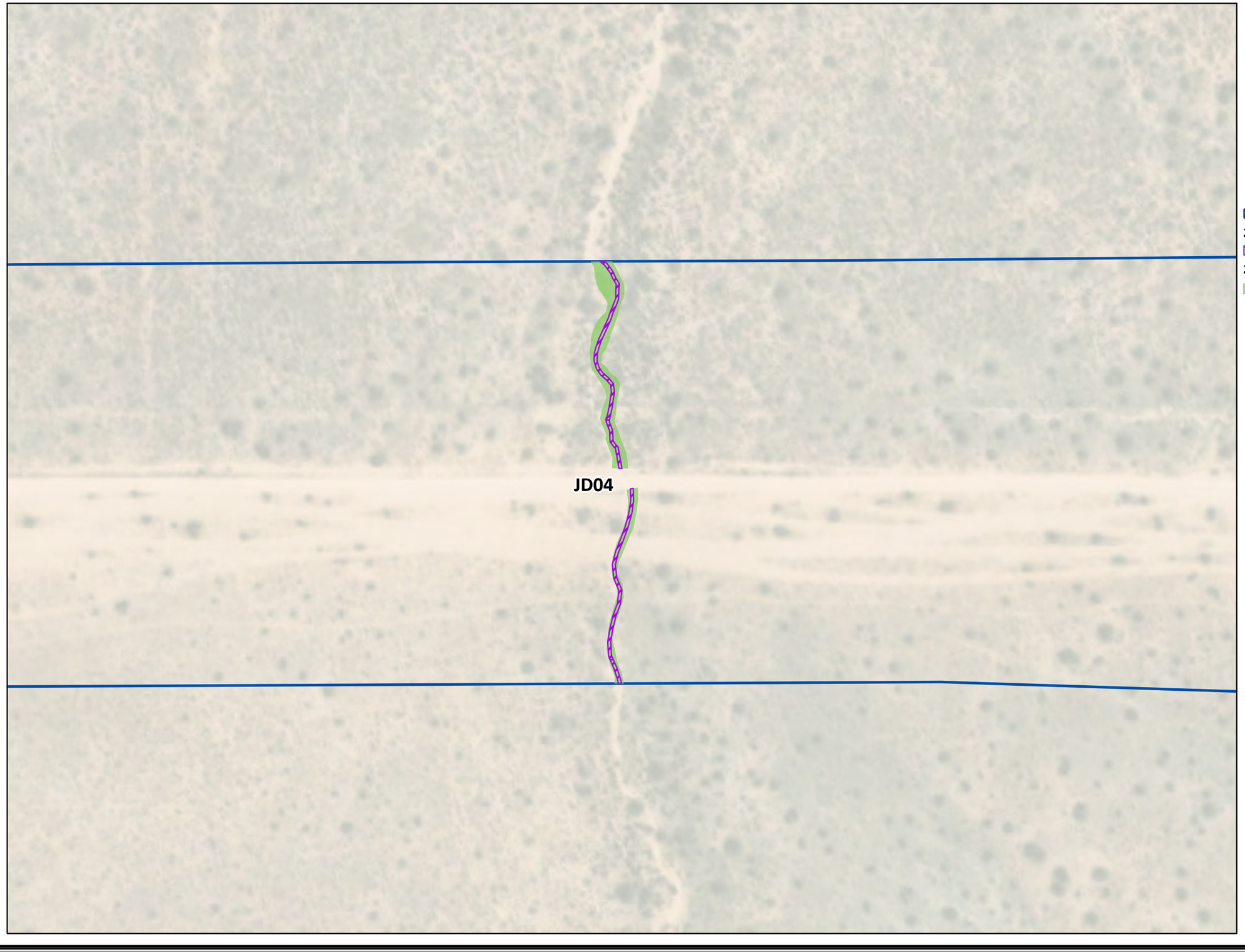
Aquatic Resources



2021/2022 Study Area

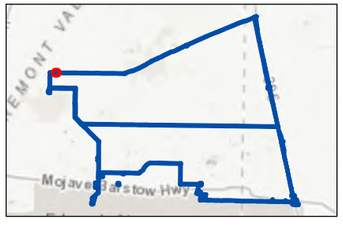
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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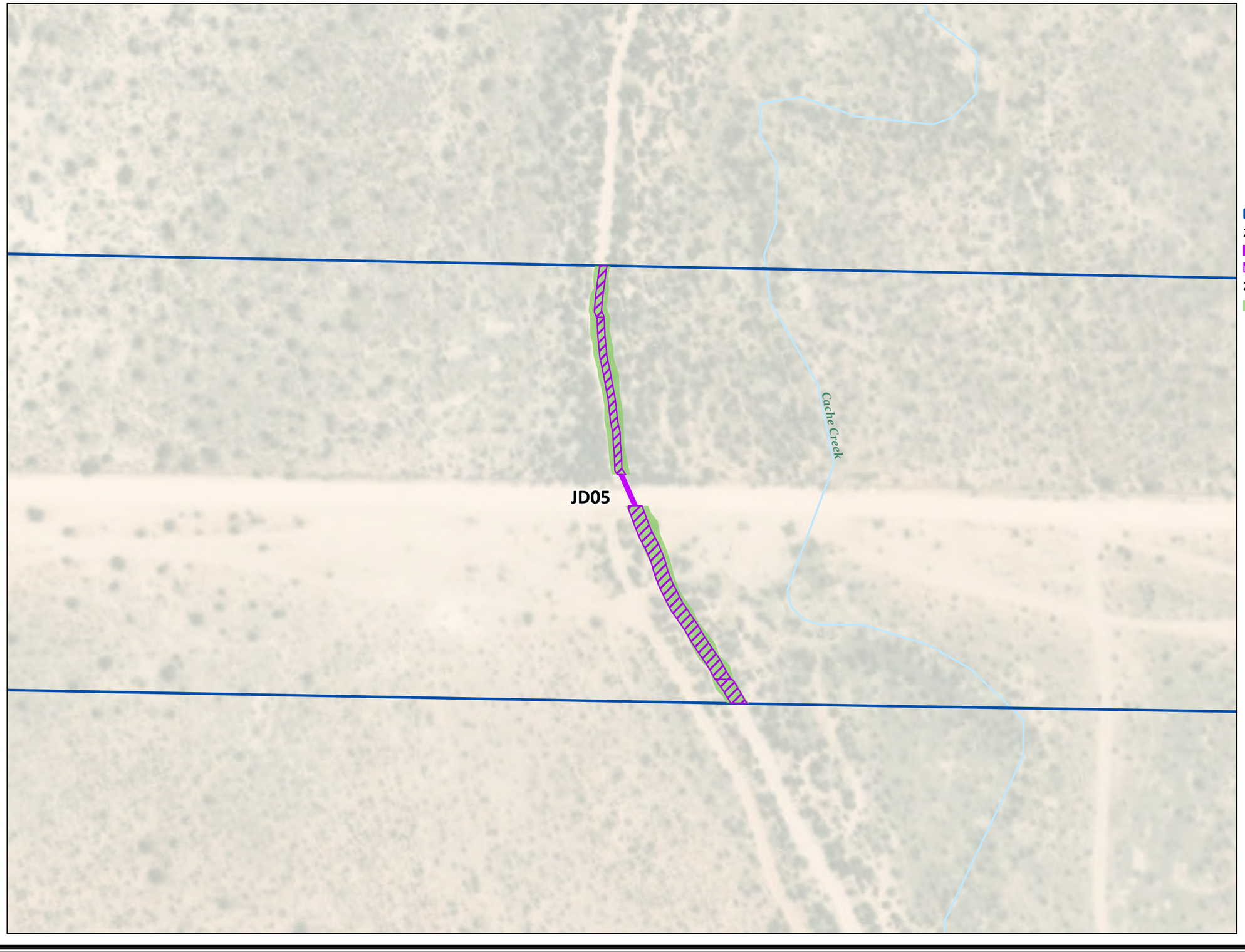
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

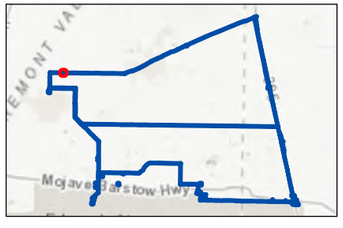
Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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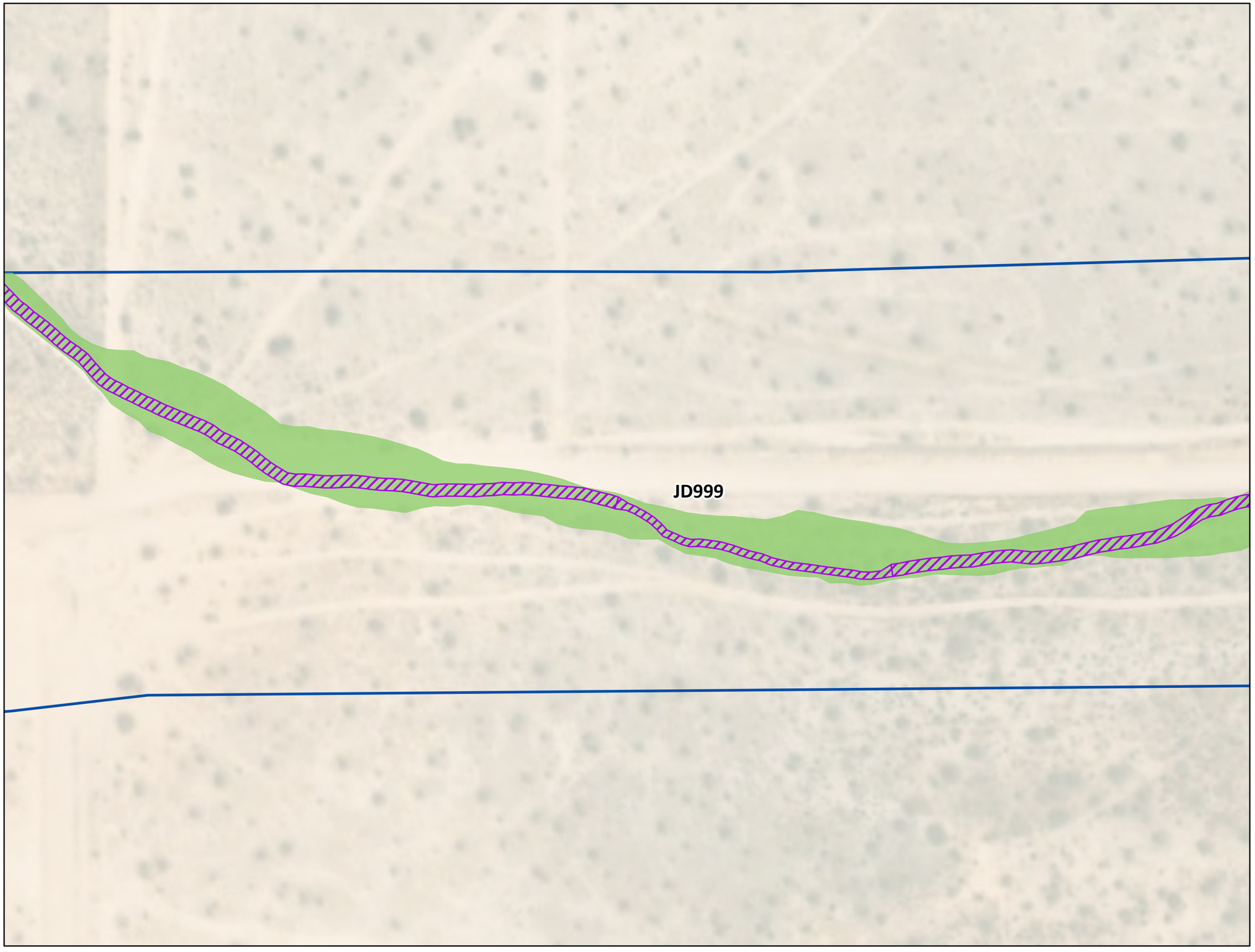
Aquatic Resources



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2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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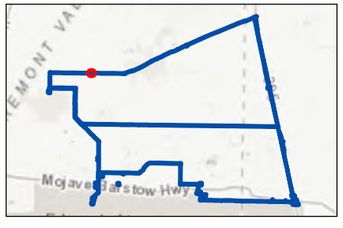

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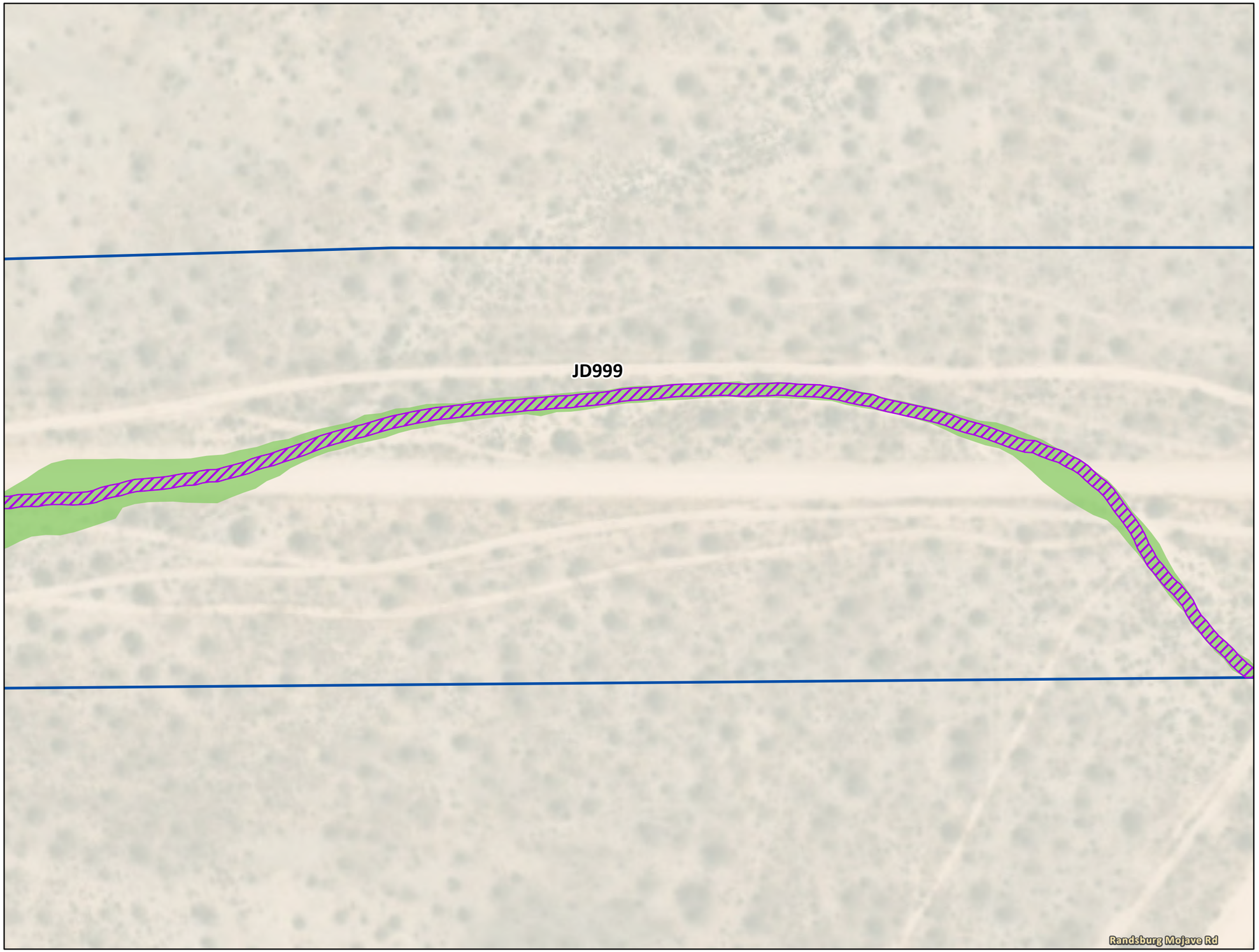
Aquatic Resources



2021/2022 Study Area

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Non-wetland Waters of the State

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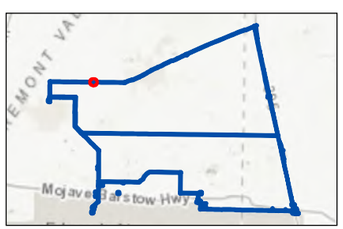
CDFW-jurisdictional Streambed

0 50 100 Feet



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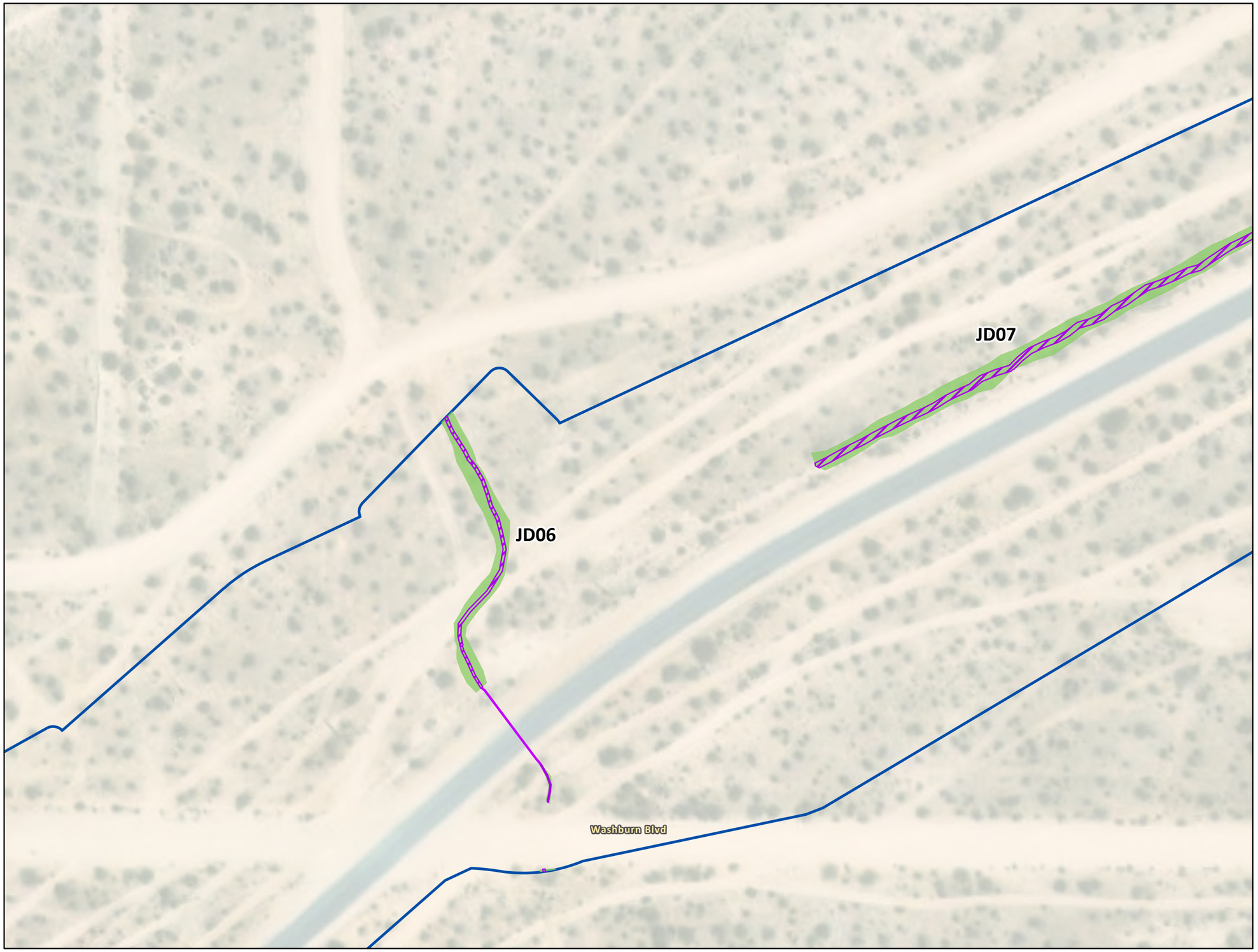


2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

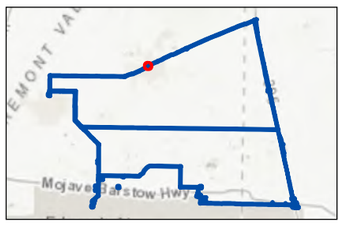
Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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2021/2022 Study Area

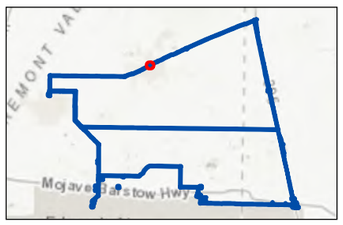
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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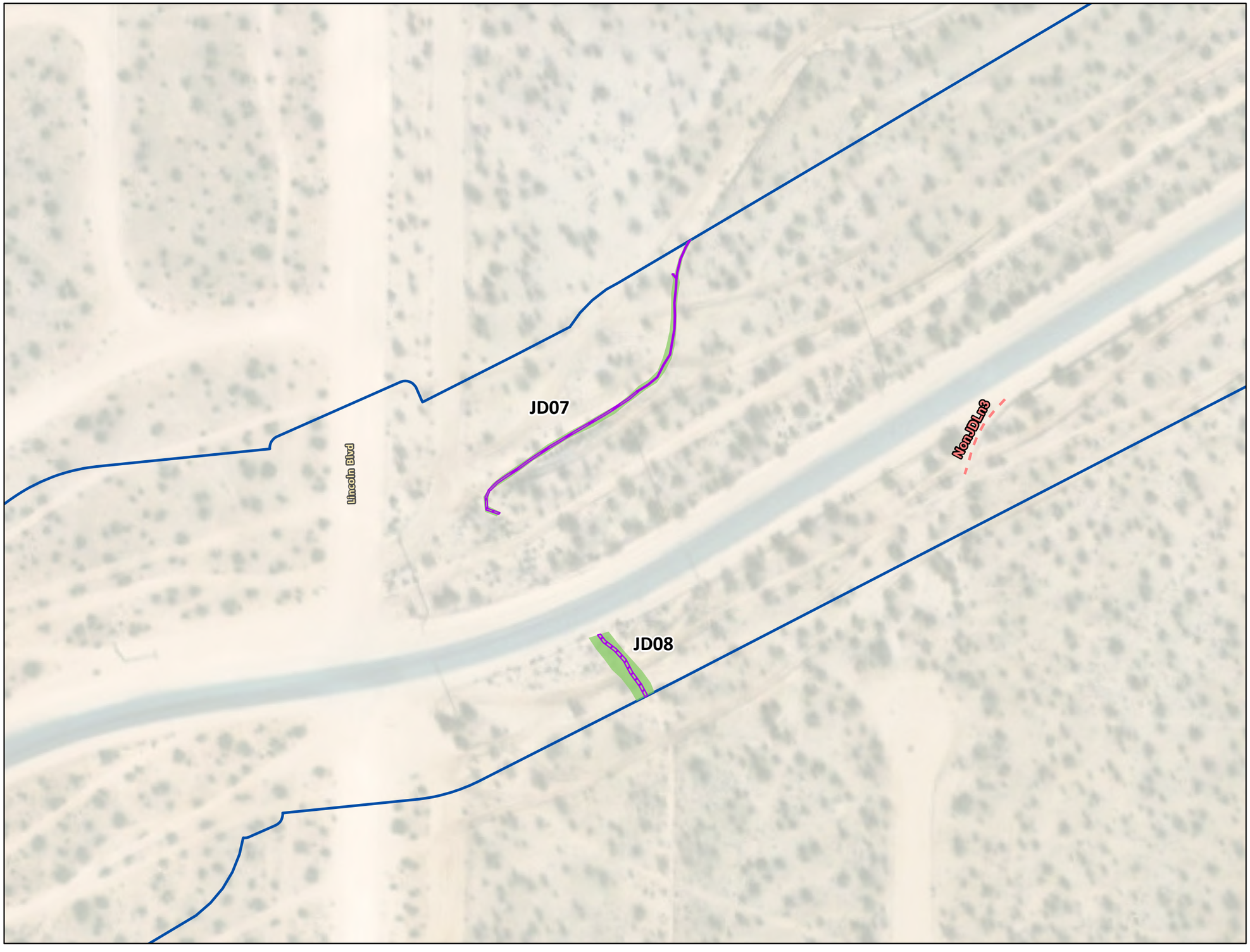
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Lines

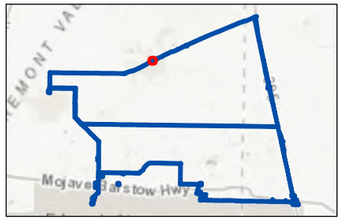
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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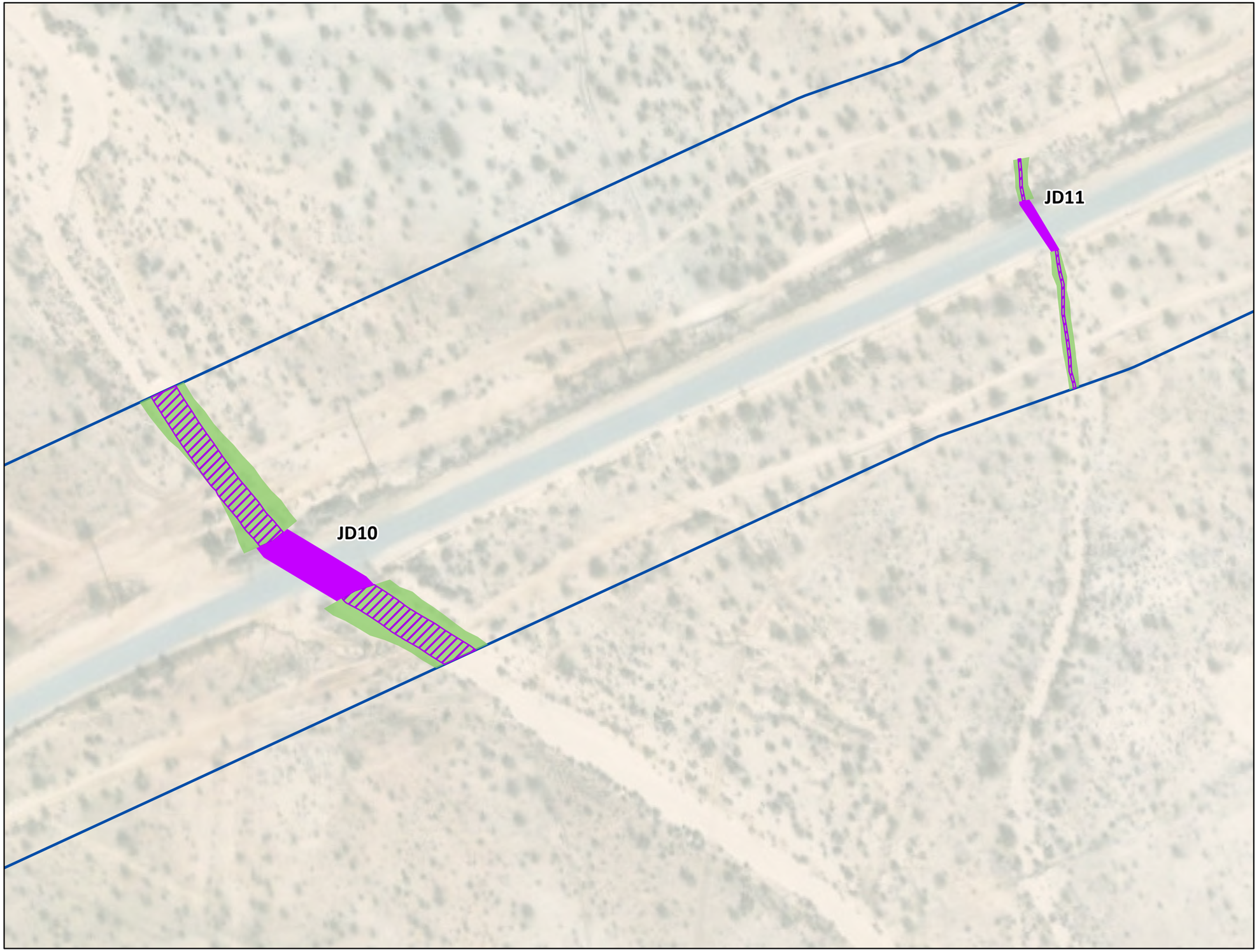
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

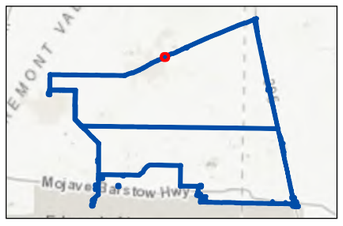
Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Feature

2021/2022 Survey Data RWQCB Jurisdiction

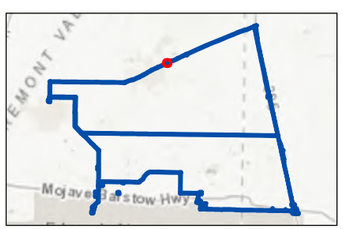
Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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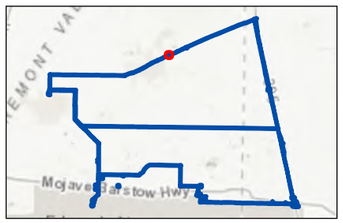

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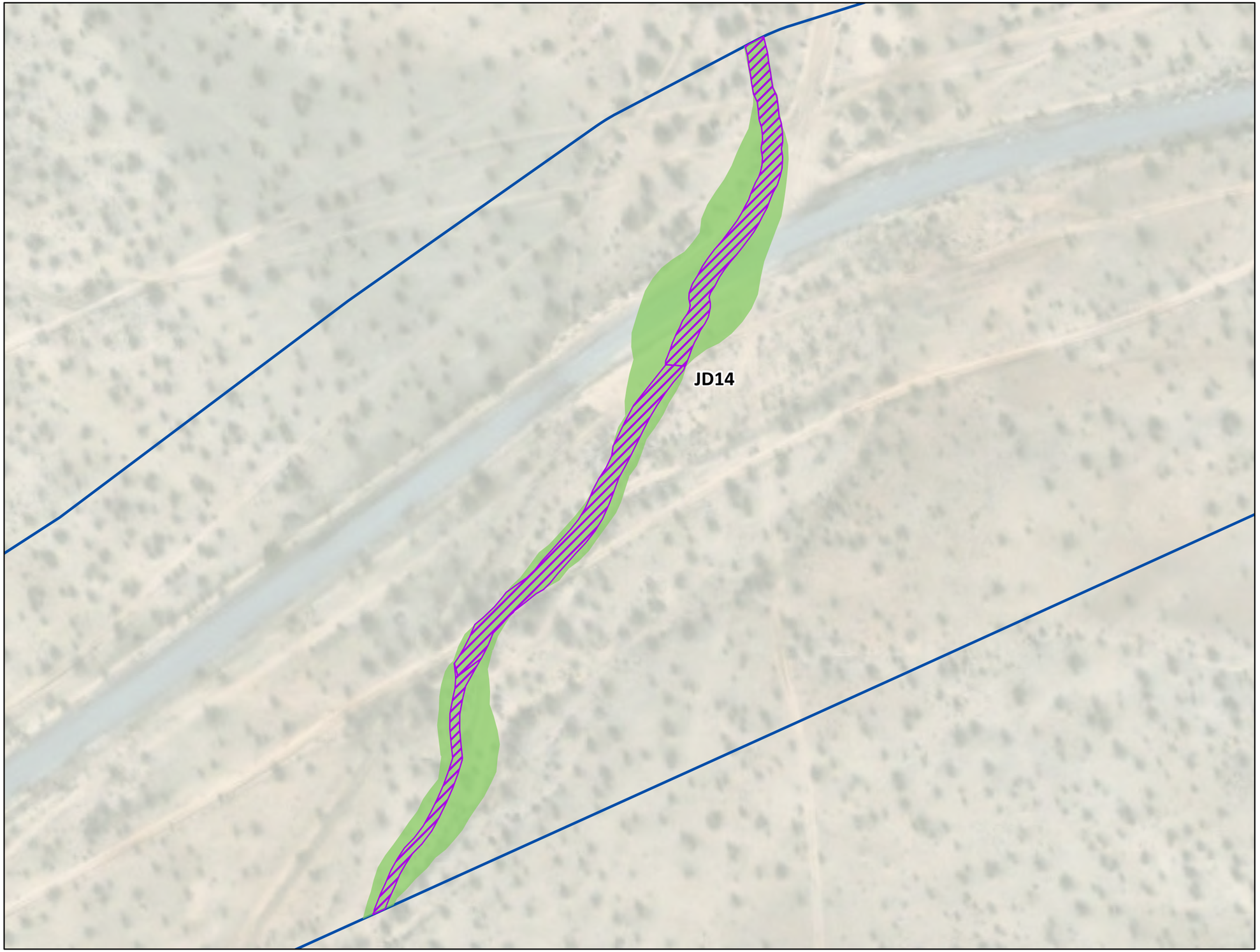
Aquatic Resources



2021/2022 Study Area

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Non-wetland Waters of the State

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CDFW-jurisdictional Streambed

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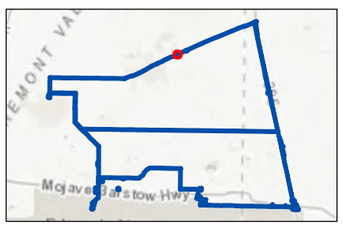

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Non-wetland Waters of the State

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CDFW-jurisdictional Streambed

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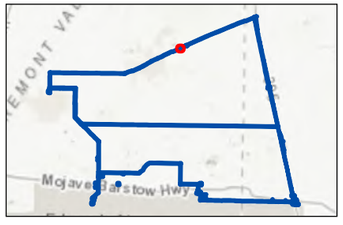

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2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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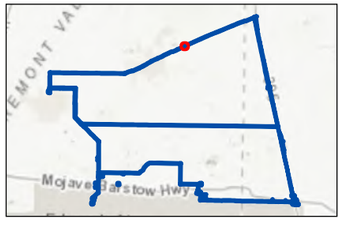

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Cal City Substation 115 kV Upgrade Project

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Aquatic Resources

2021/2022 Study Area

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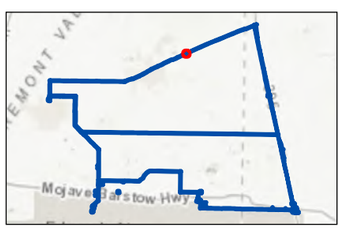
Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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Aquatic Resources

2021/2022 Study Area

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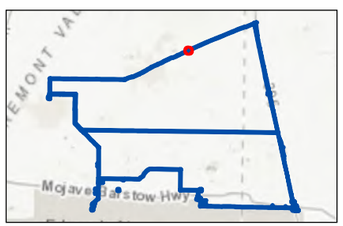
CDFW-jurisdictional Streambed

0 50 100 Feet



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Aquatic Resources

2021/2022 Study Area

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Non-wetland Waters of the State

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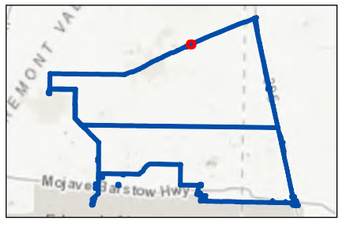
CDFW-jurisdictional Streambed

0 50 100 Feet



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Non-wetland Waters of the State

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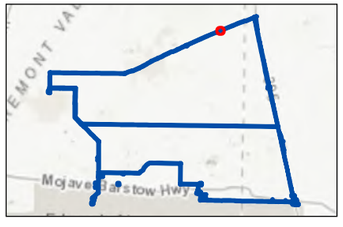
CDFW-jurisdictional Streambed

0 50 100 Feet



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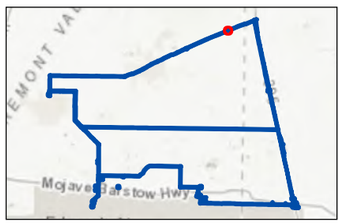

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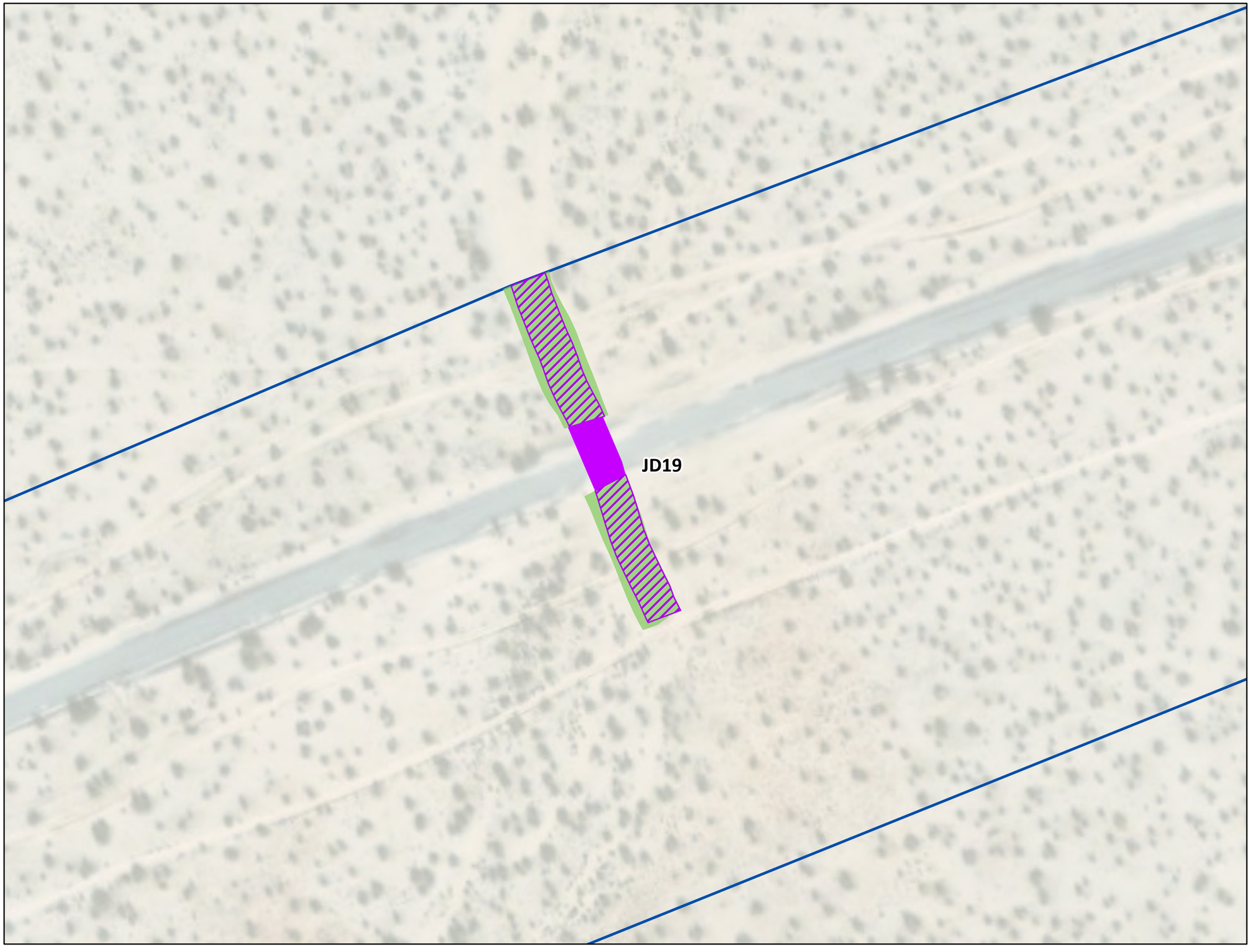


2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

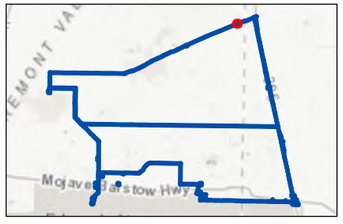
Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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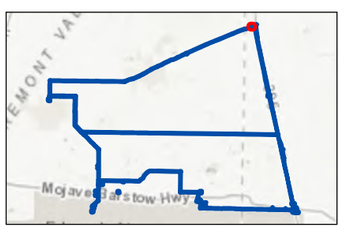
2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Lines

0 50 100 Feet



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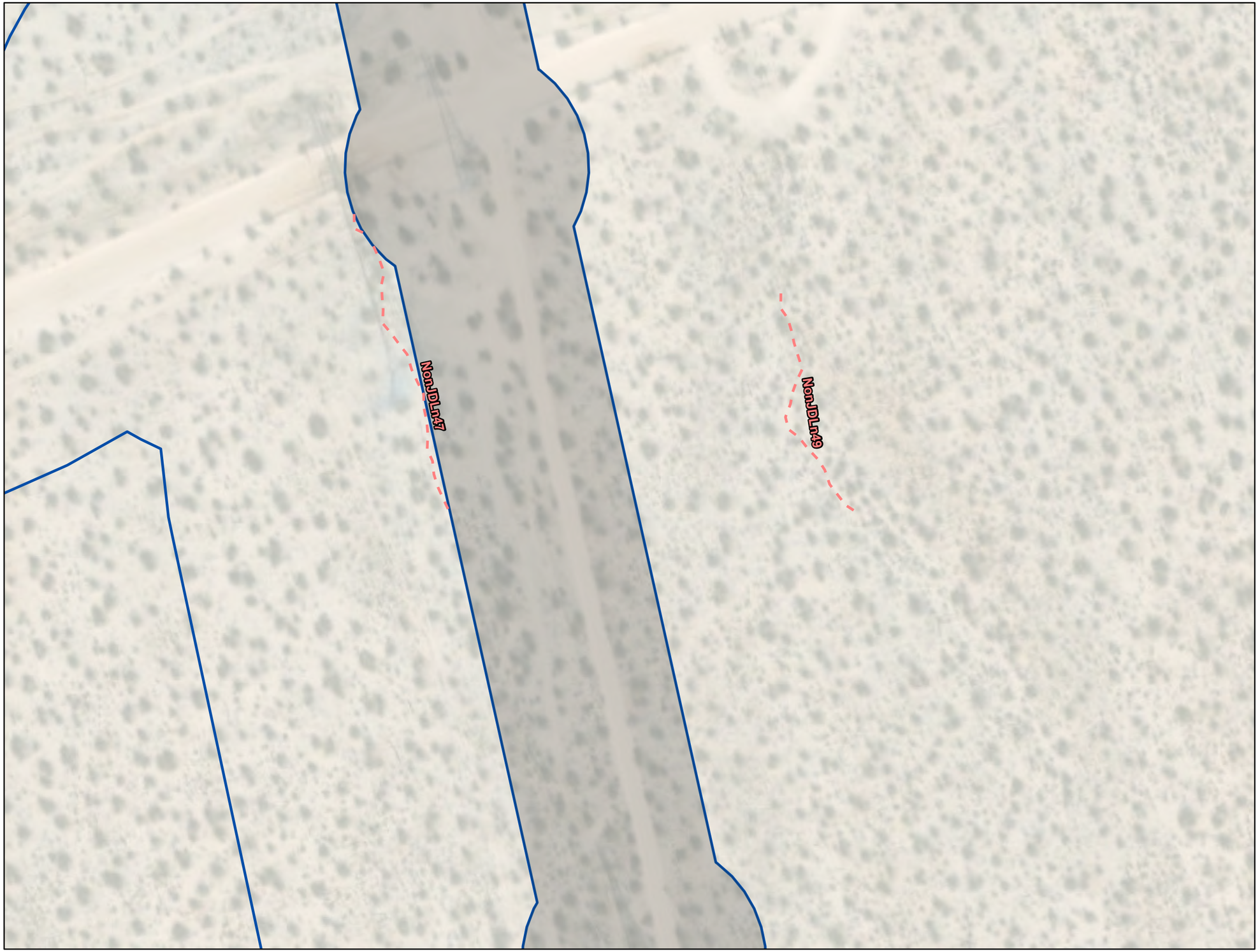

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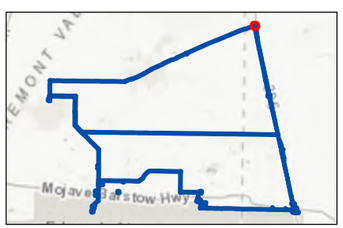
Aquatic Resources

- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- 2021/2022 Survey Data Non-Jurisdictional Lines

0 50 100 Feet



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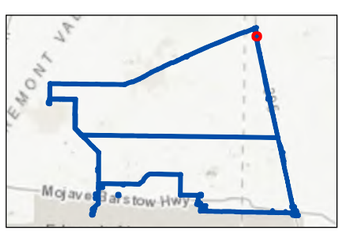
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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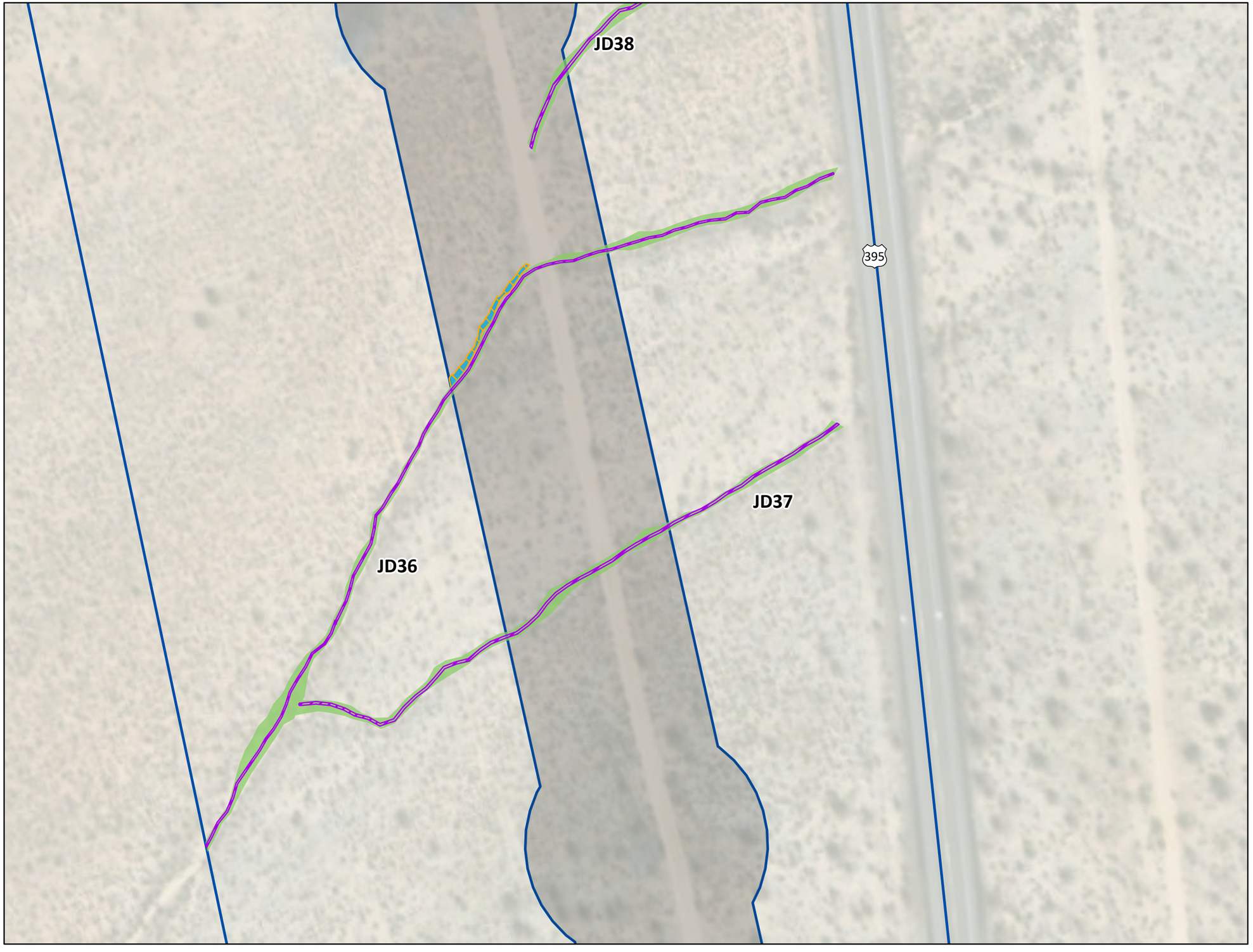

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SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data RWQCB Jurisdiction

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2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

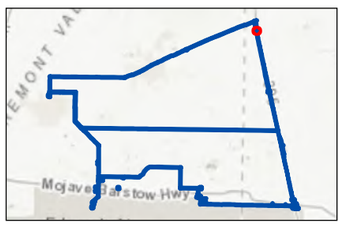
Historical RWQCB Jurisdiction

Non-wetland Waters of the State

Historical CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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CDFW-jurisdictional Streambed

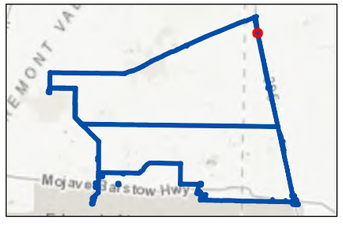
Historical RWQCB Jurisdiction

Non-wetland Waters of the State

Historical CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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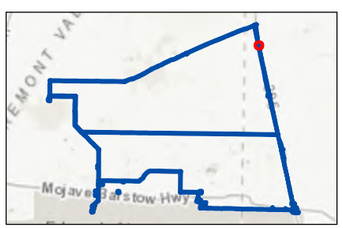
Non-wetland Waters of the State

Historical CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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CDFW-jurisdictional Streambed

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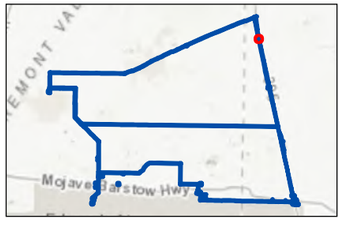

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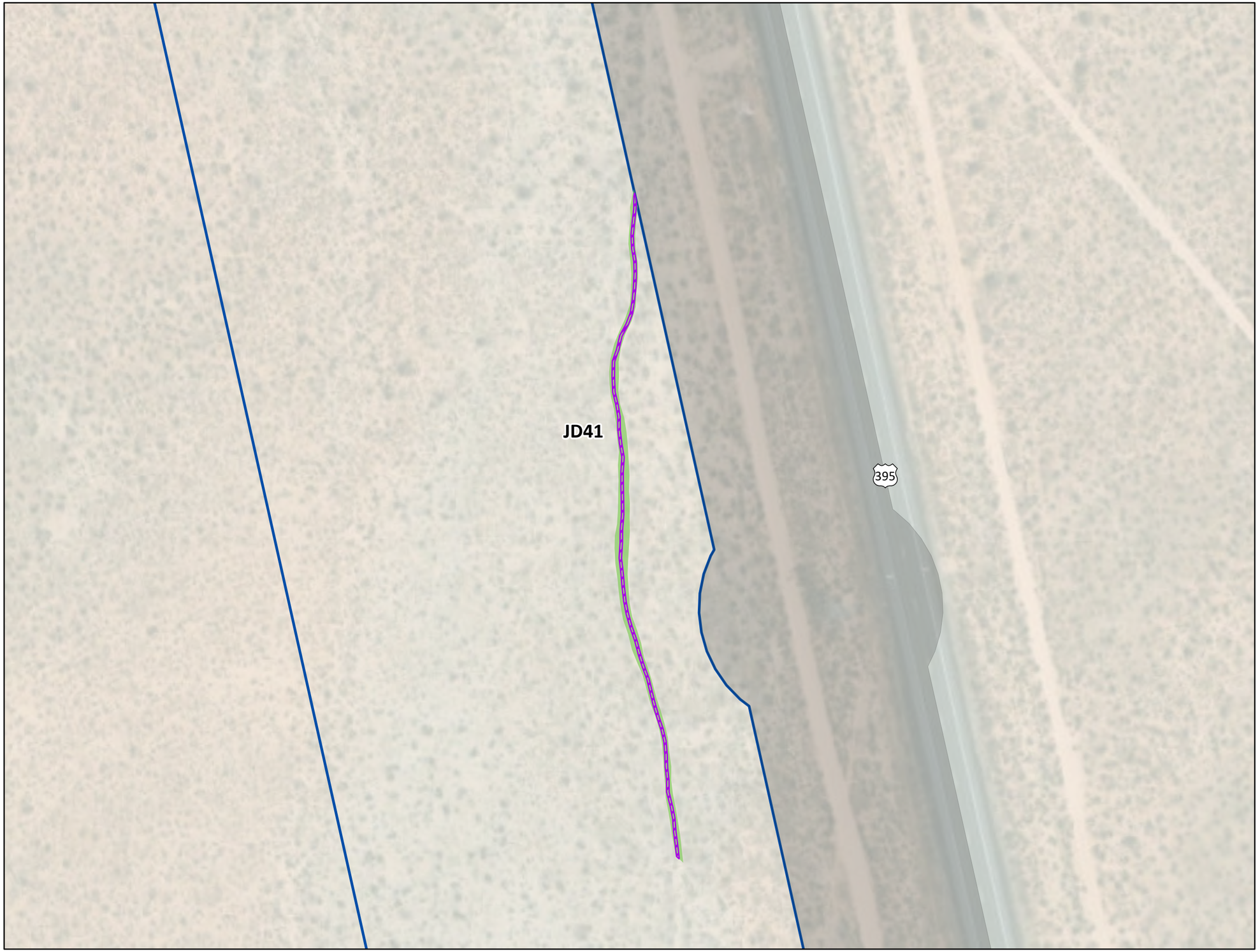

2021/2022 Study Area

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Non-wetland Waters of the State

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CDFW-jurisdictional Streambed

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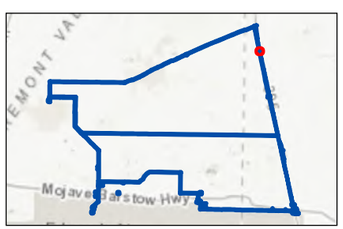

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SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data Possibly Jurisdictional

Possibly Jurisdictional Feature (Playa)

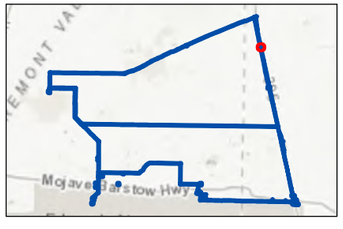
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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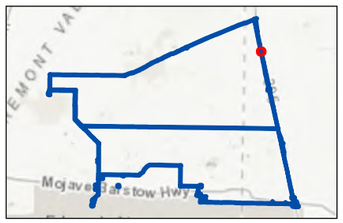

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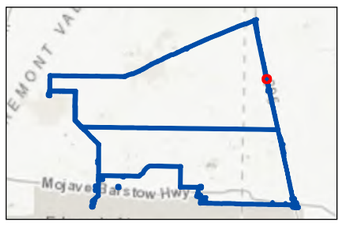
- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- 2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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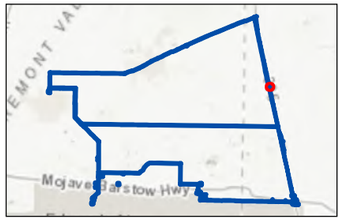
SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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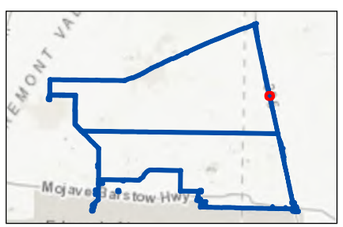

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SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

Historical RWQCB Jurisdiction

Non-wetland Waters of the State

Historical CDFW Jurisdiction

CDFW-jurisdictional Streambed

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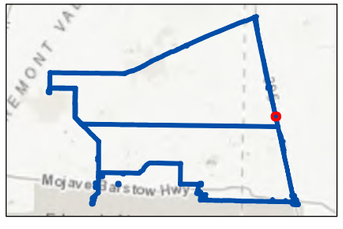

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SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

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Non-wetland Waters of the State

Historical CDFW Jurisdiction

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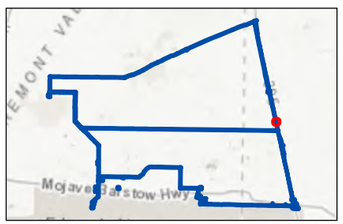

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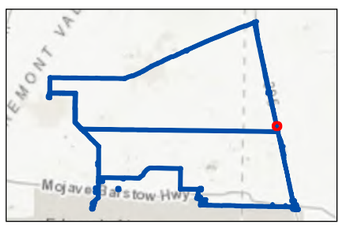

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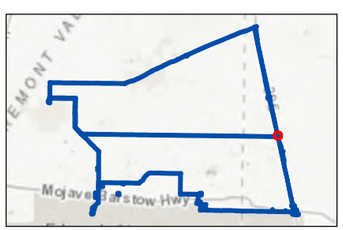

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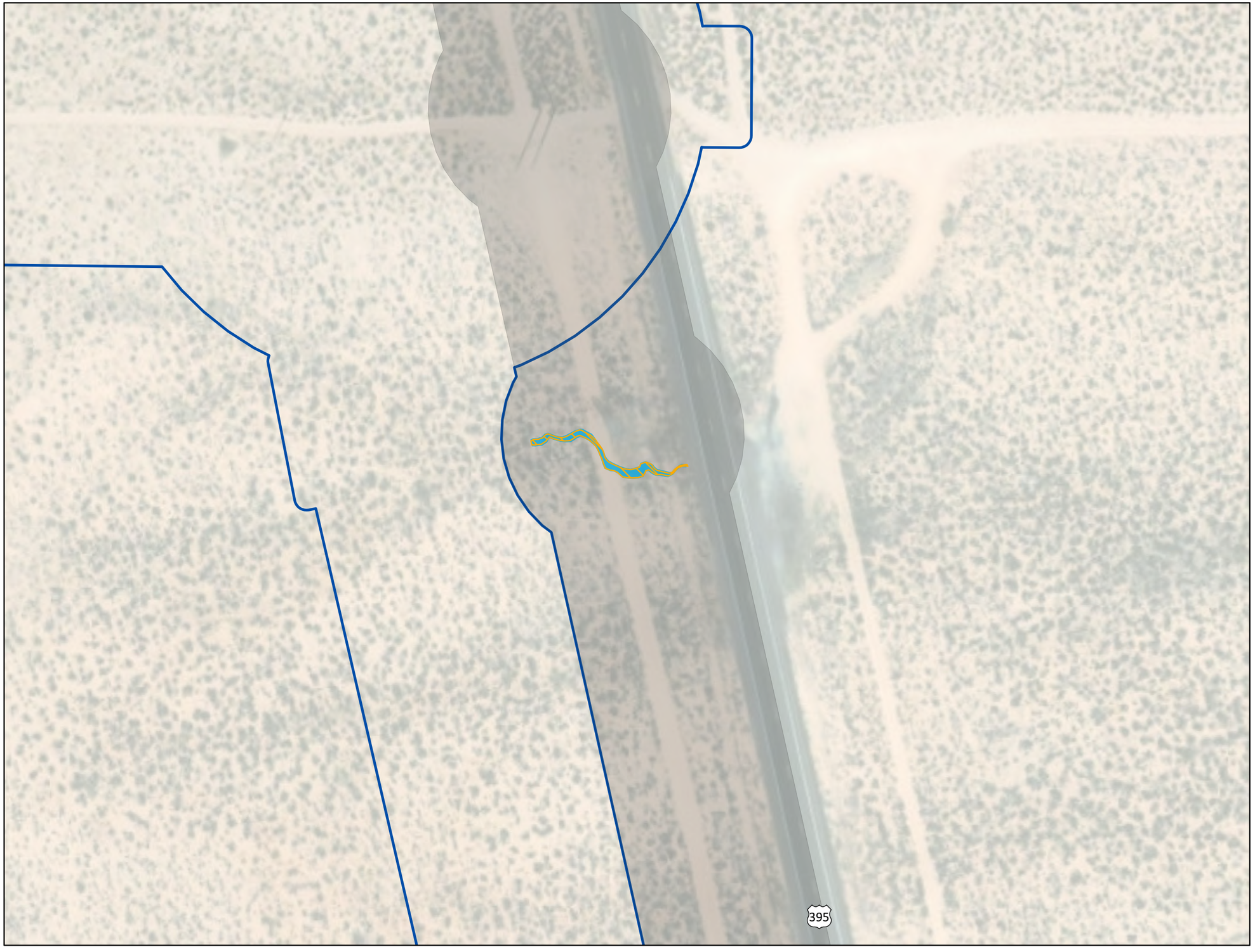
Aquatic Resources



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

Historical RWQCB Jurisdiction

Non-wetland Waters of the State

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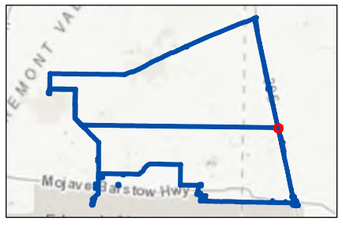

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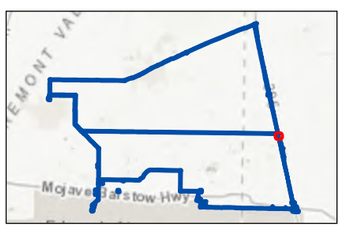

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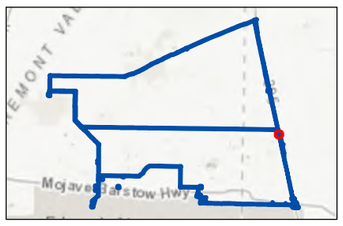

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Historical CDFW Jurisdiction

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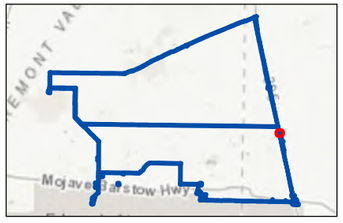

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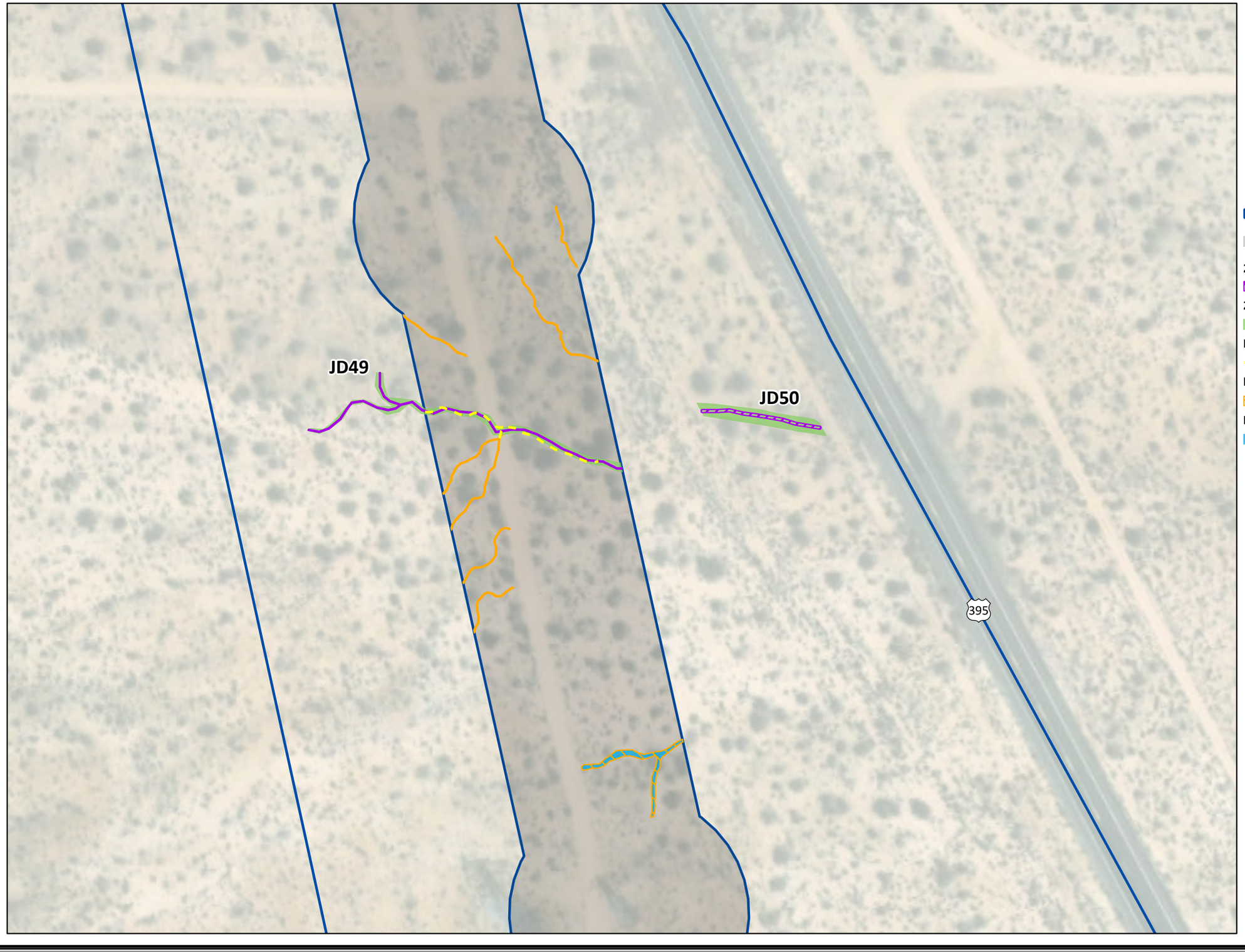

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SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

Historical Jurisdictional Lines

Historical data remapped in 2021

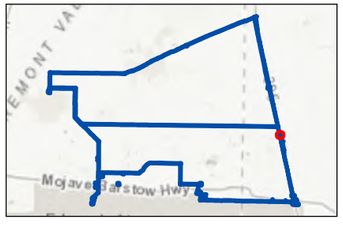
Historical RWQCB Jurisdiction

Non-wetland Waters of the State

Historical CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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JD155

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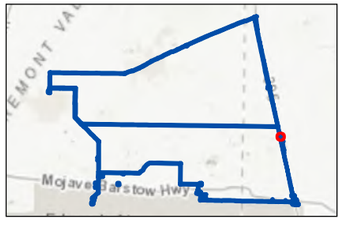

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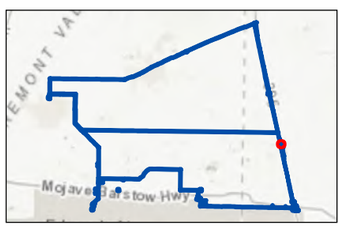

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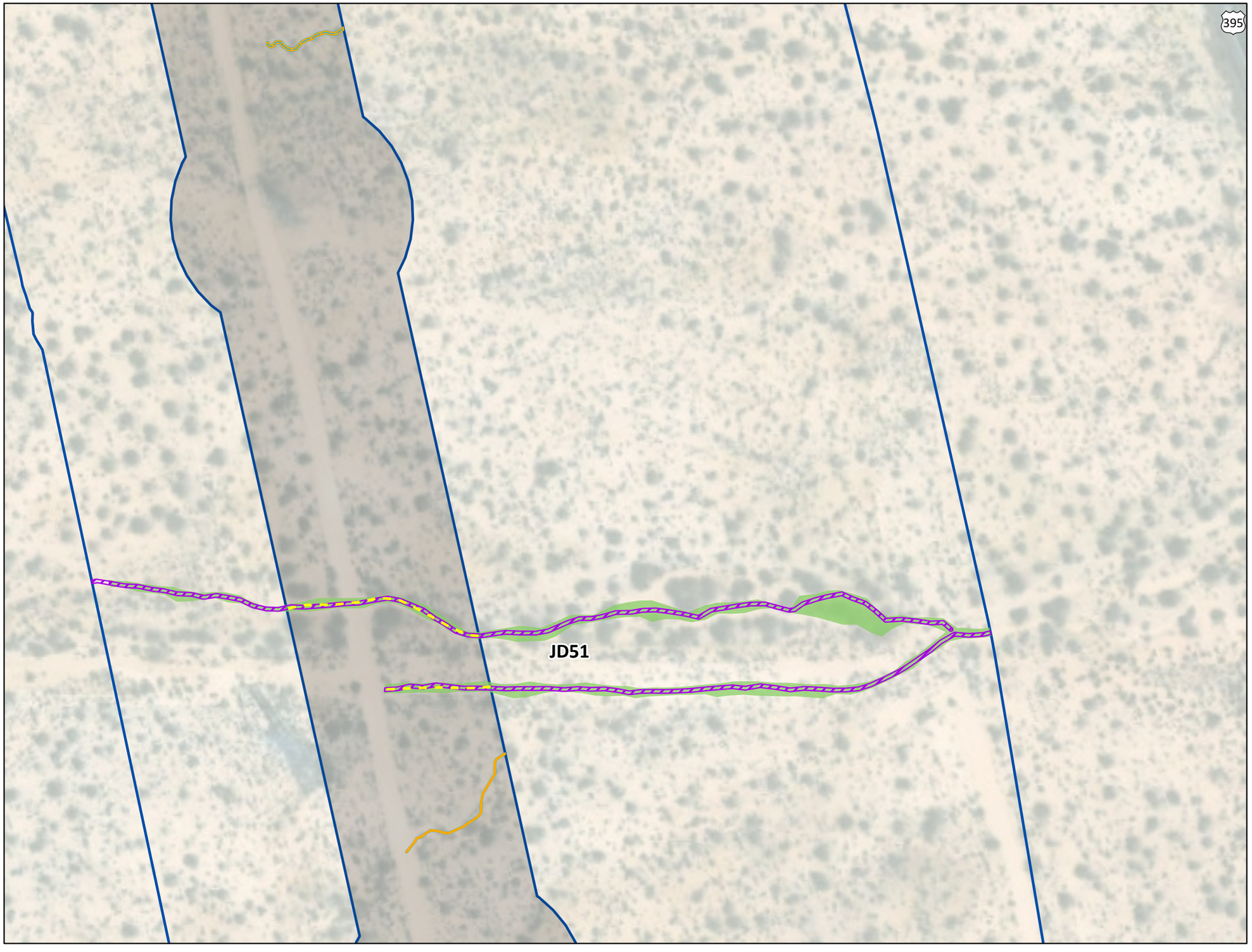

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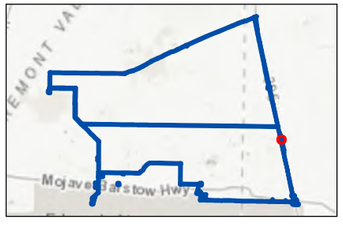

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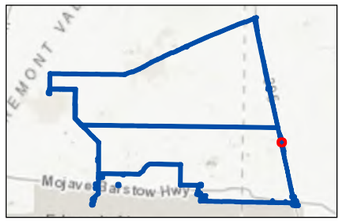

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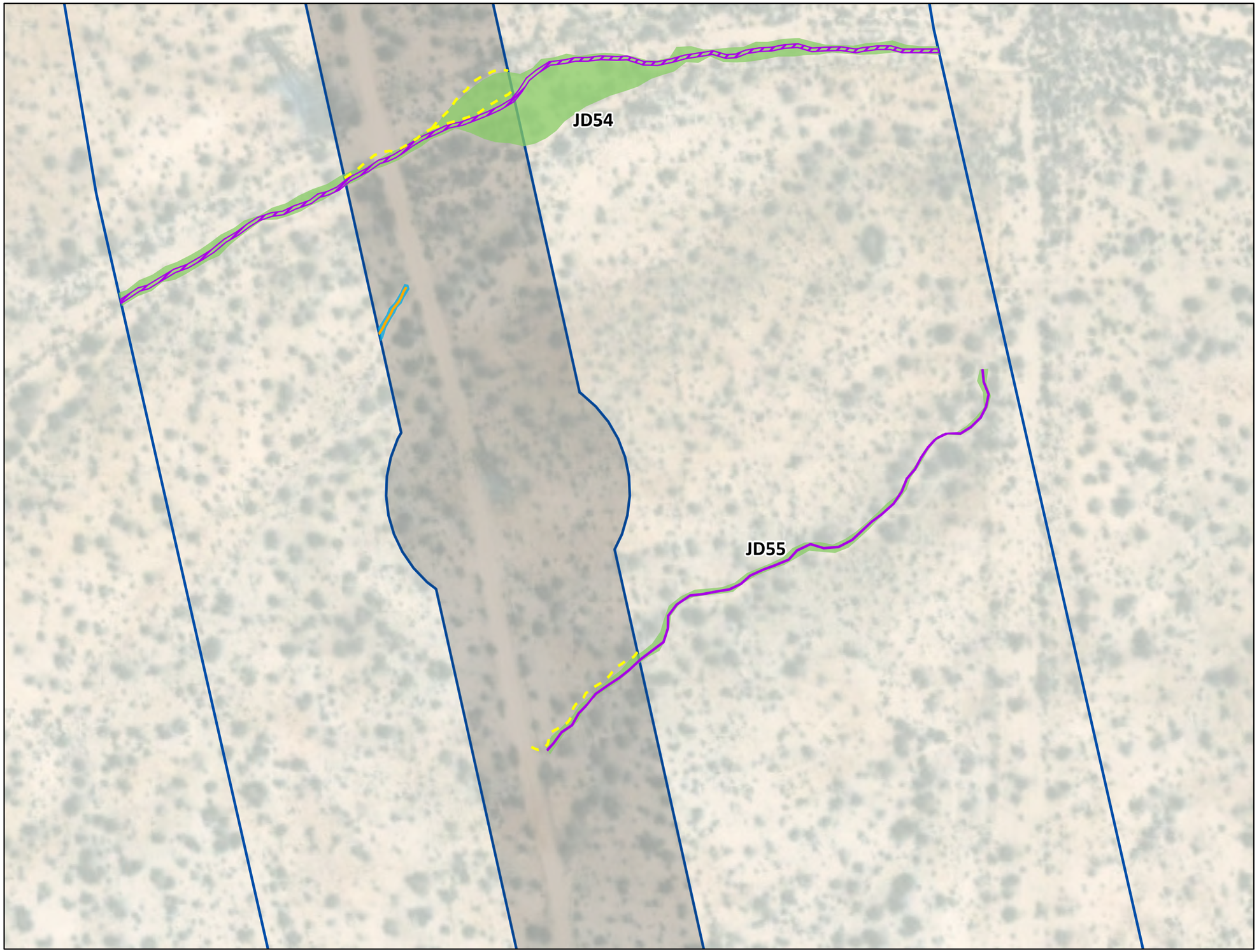

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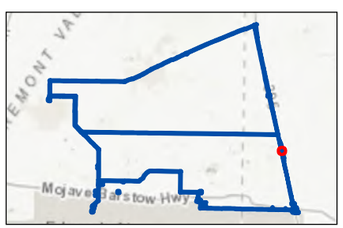

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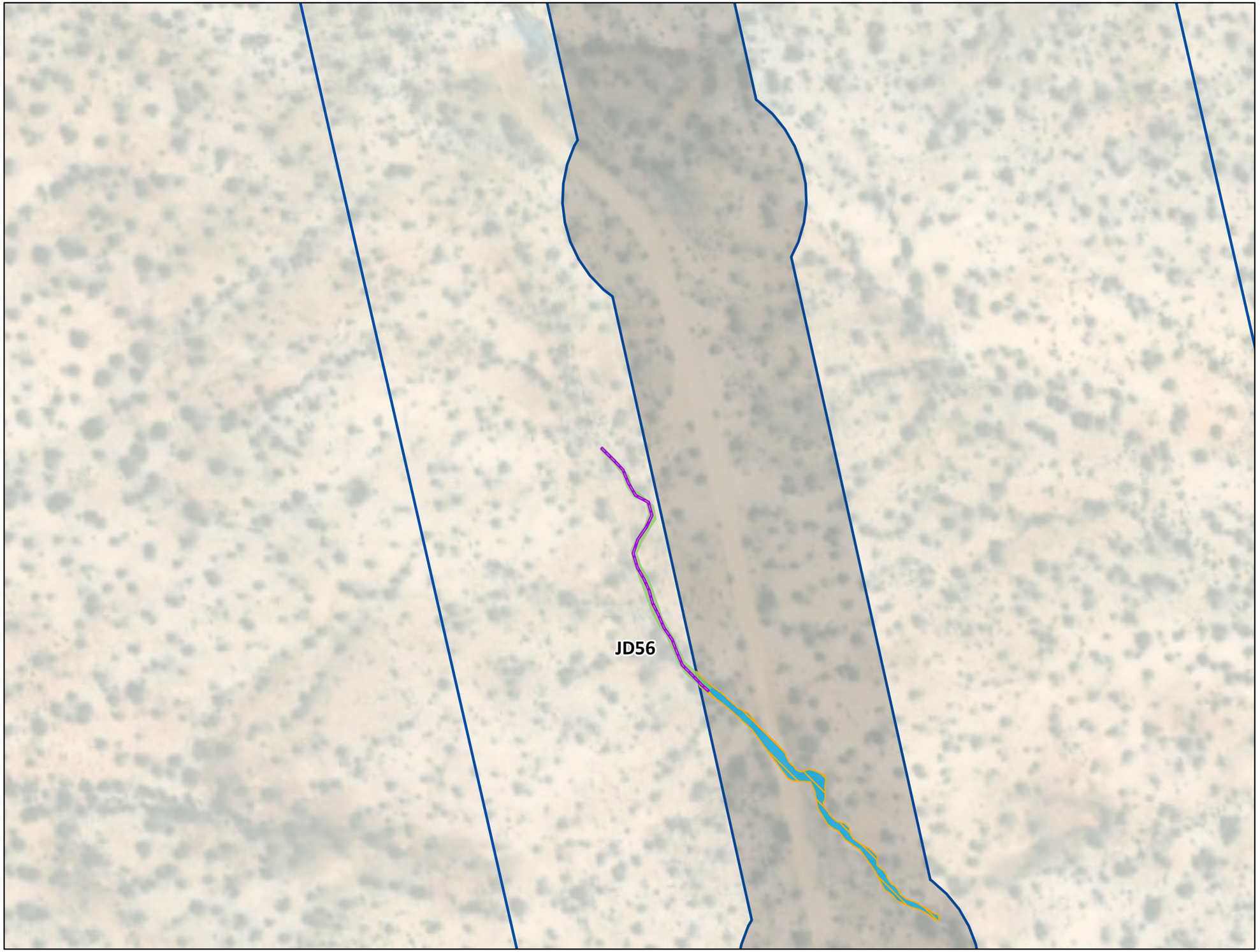

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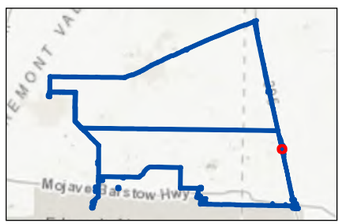

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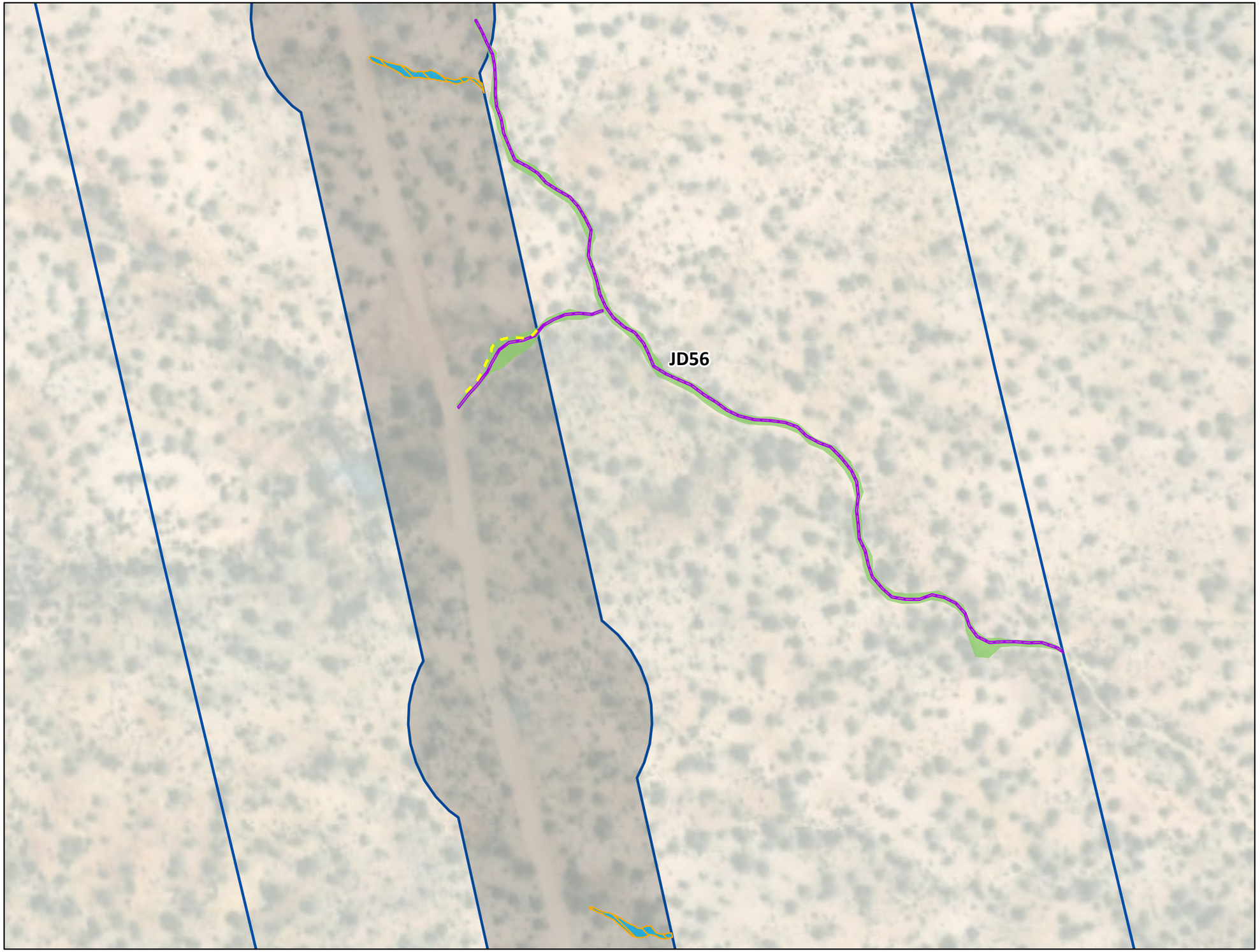

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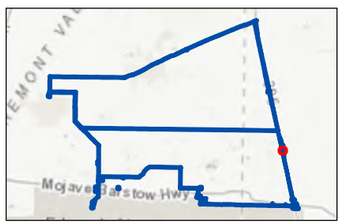

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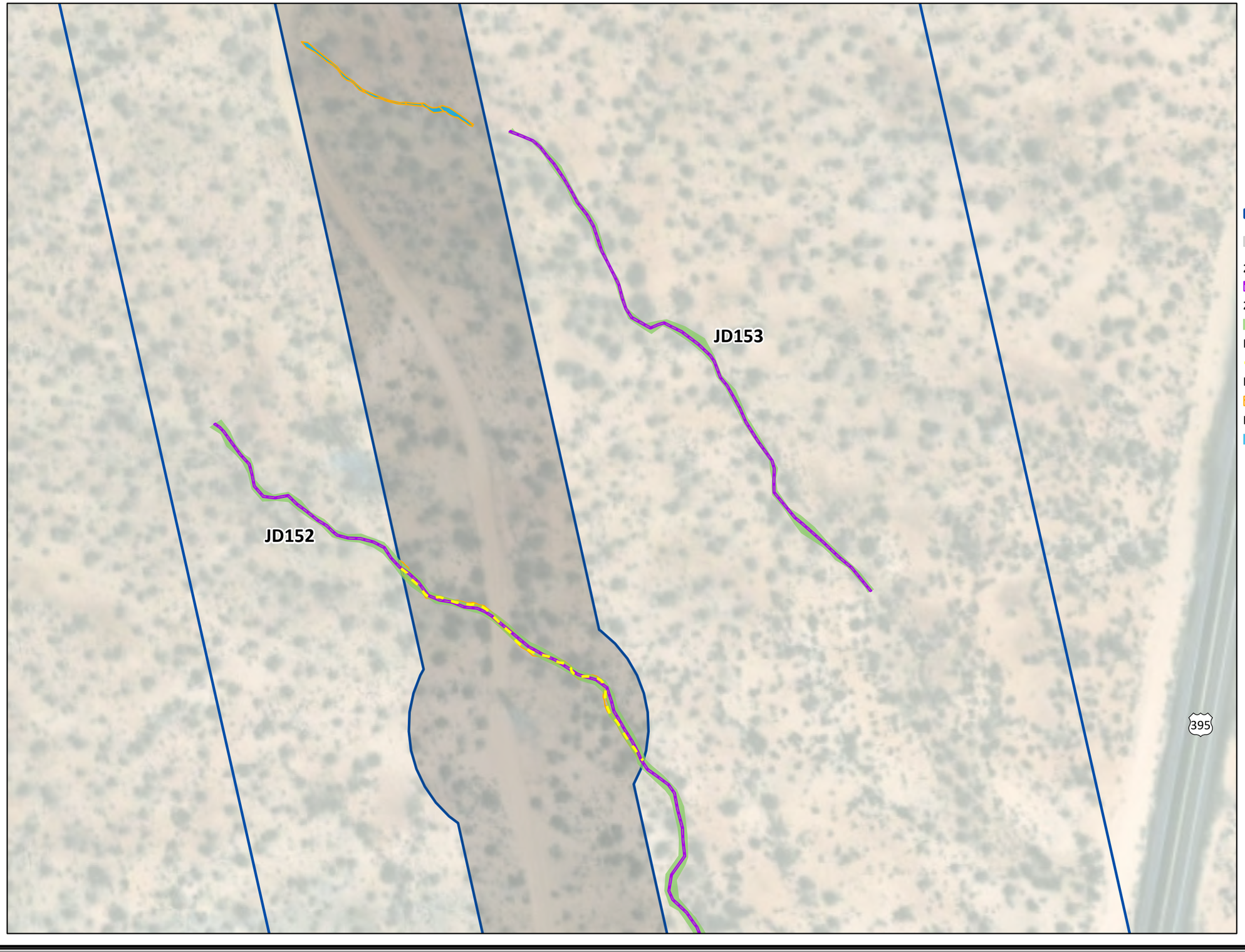

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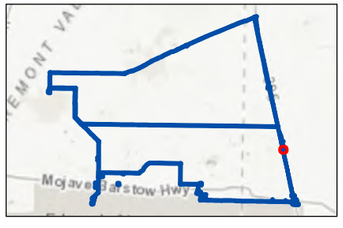

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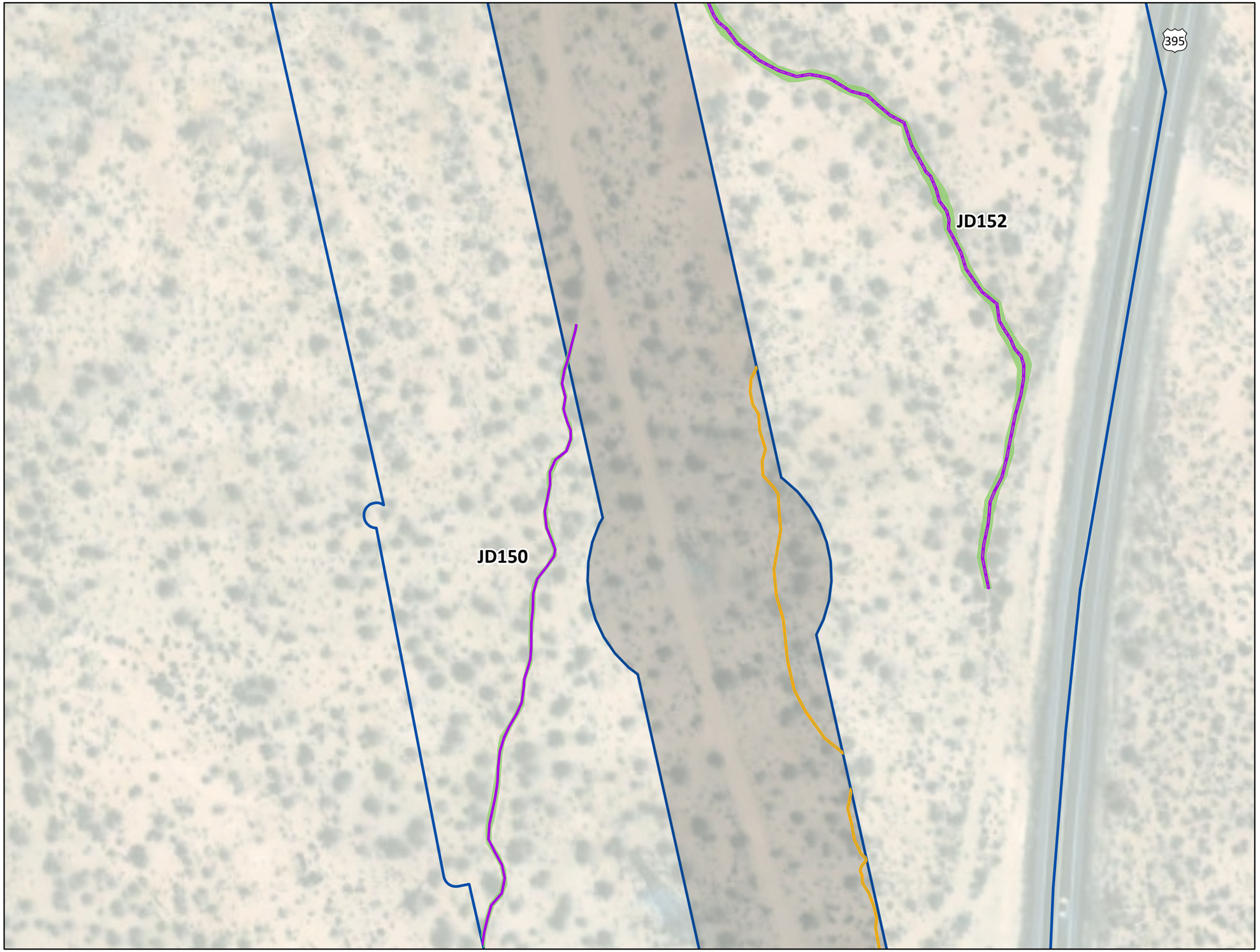

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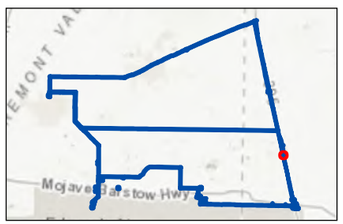

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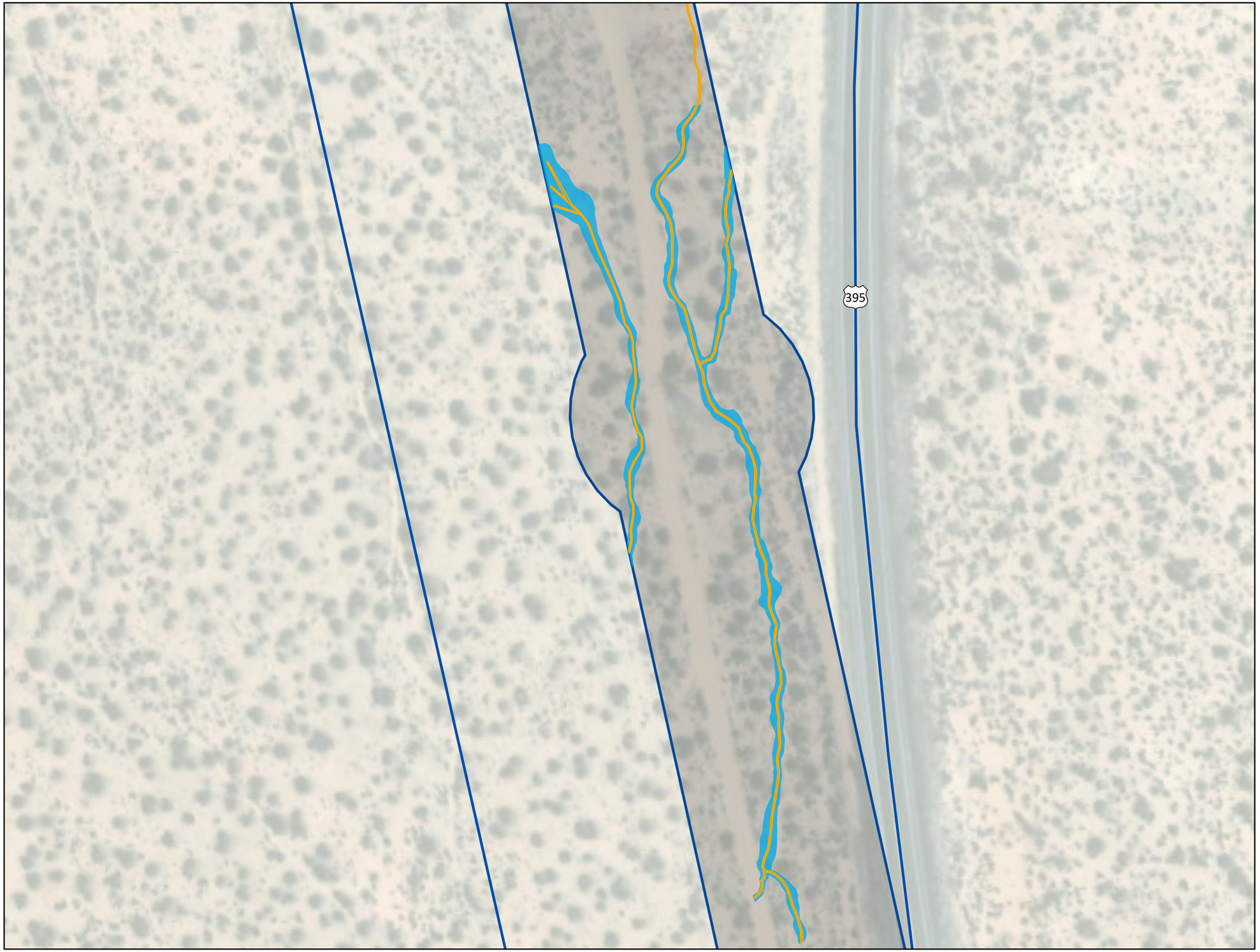

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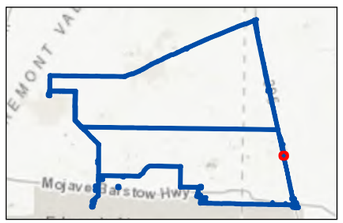

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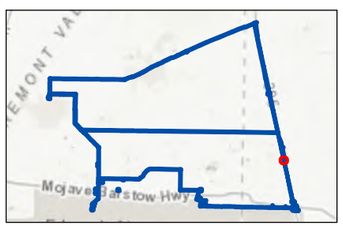

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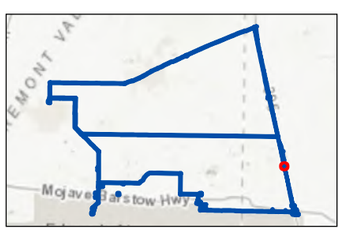

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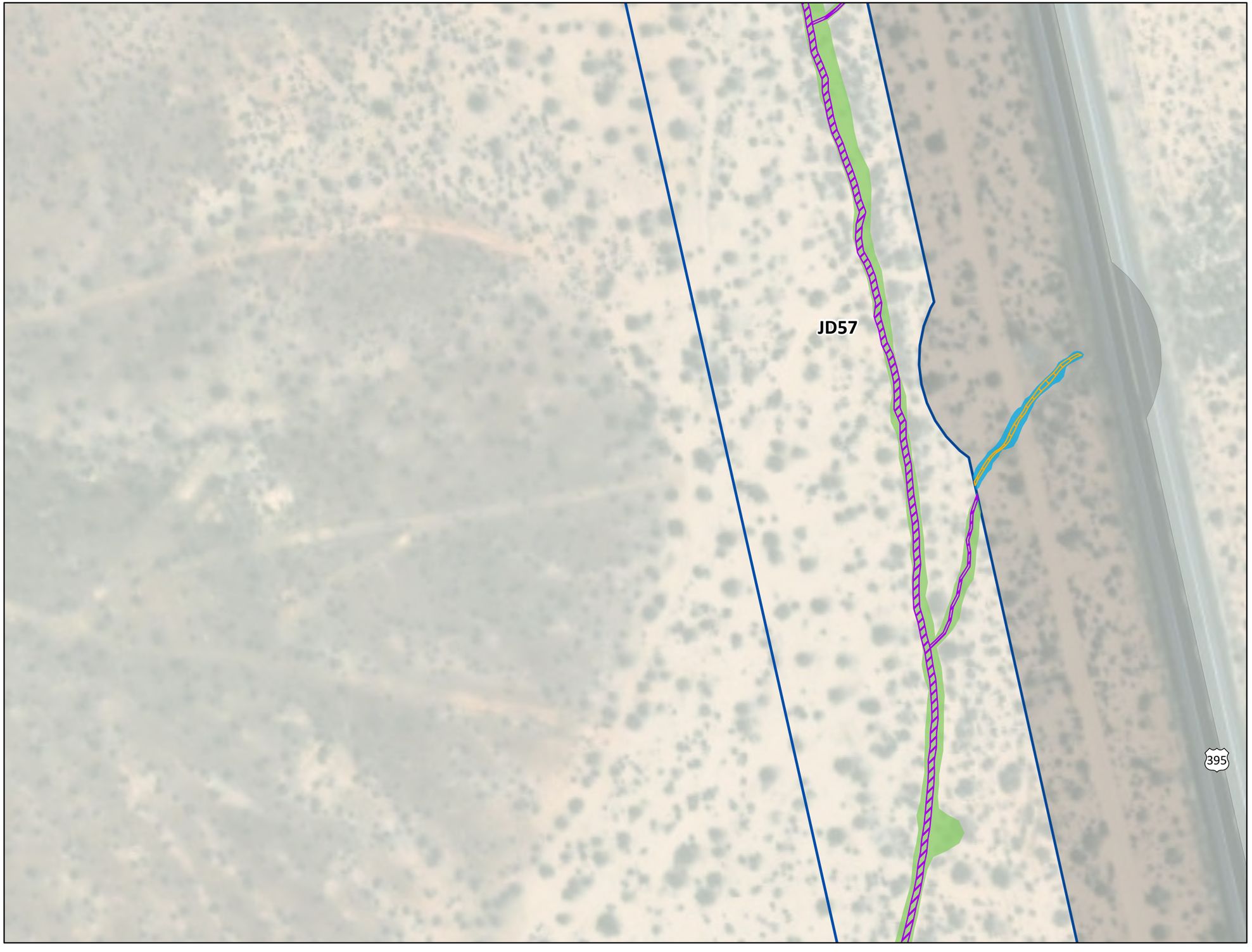

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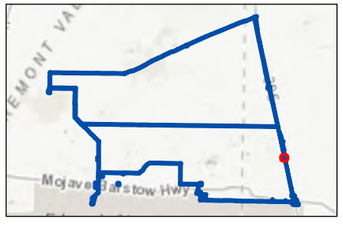

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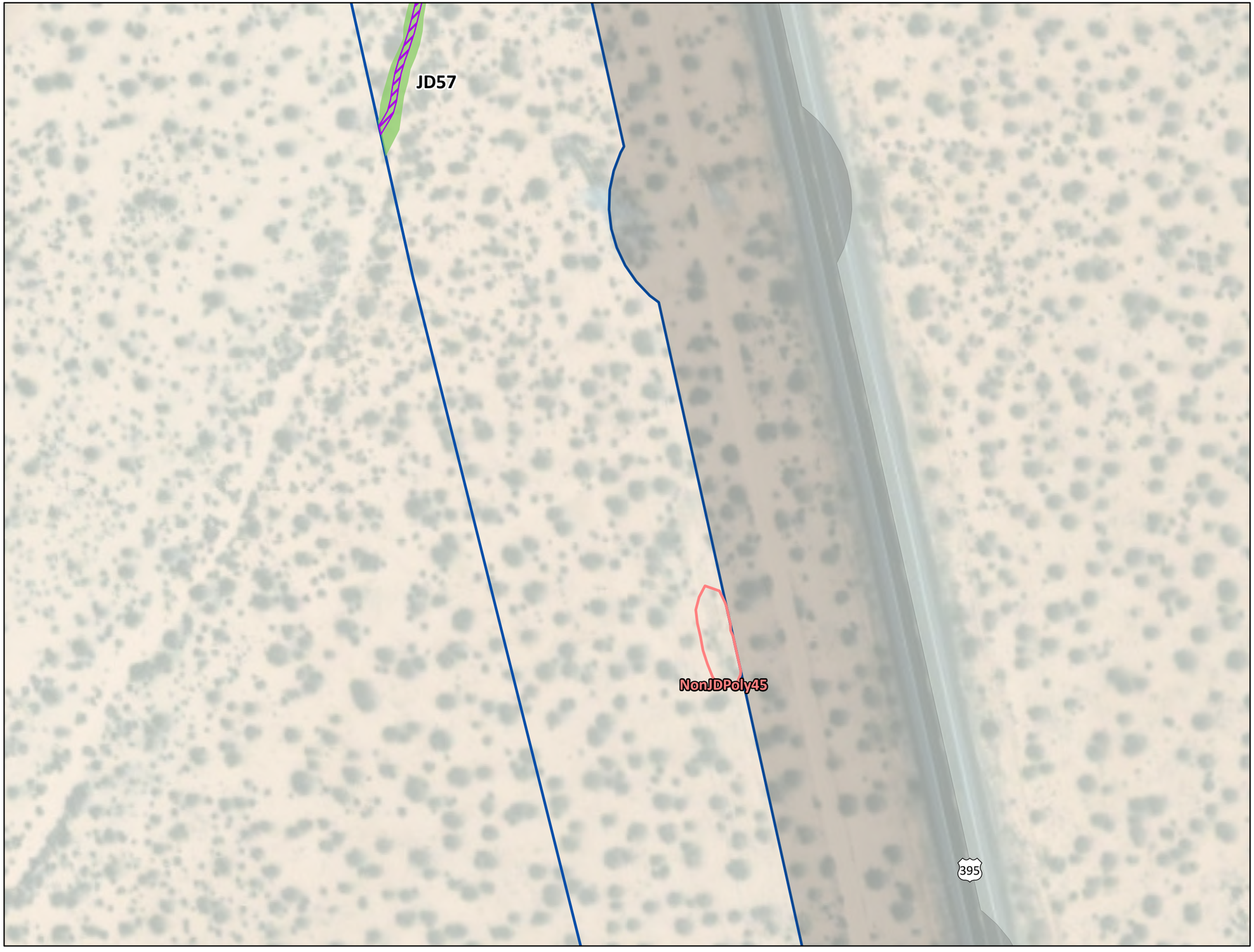

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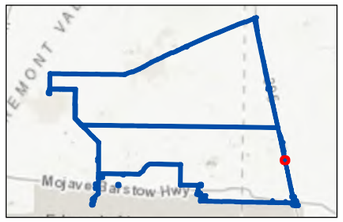

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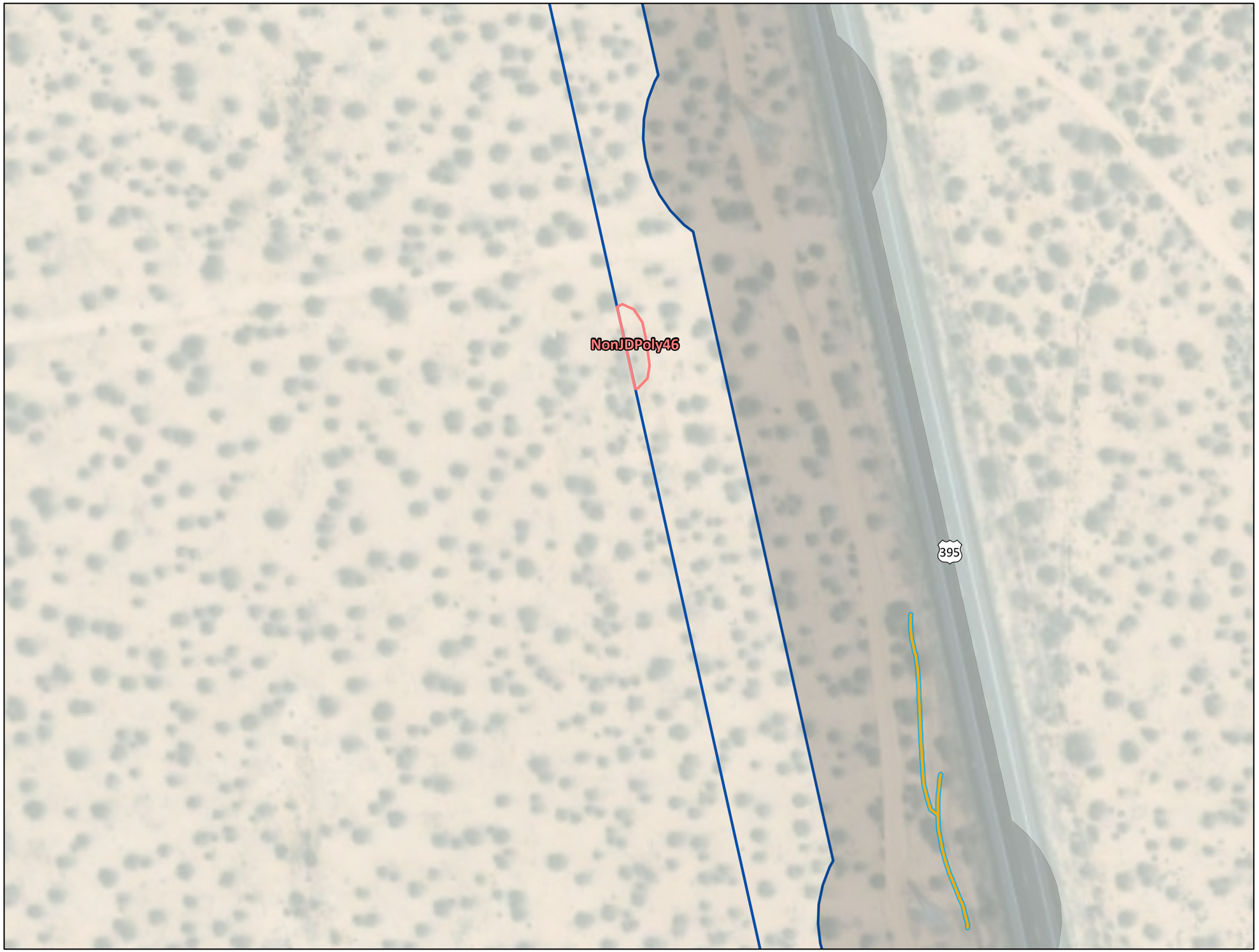

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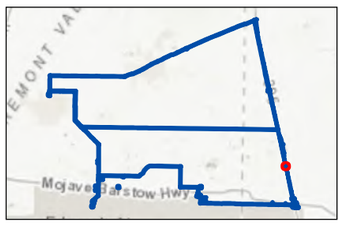

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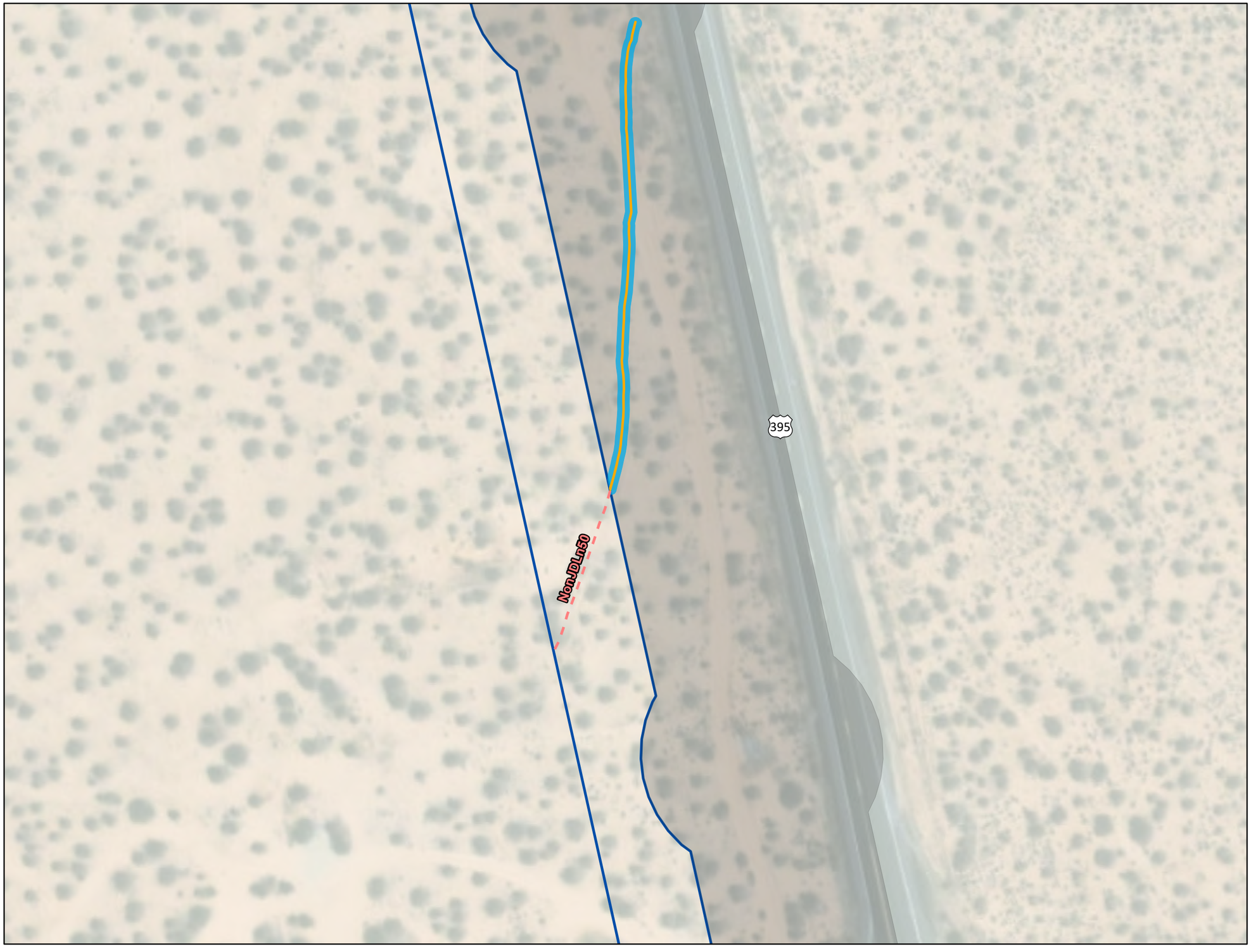

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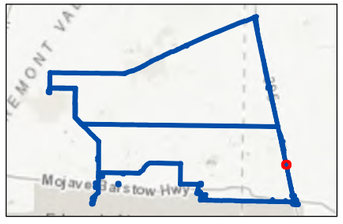

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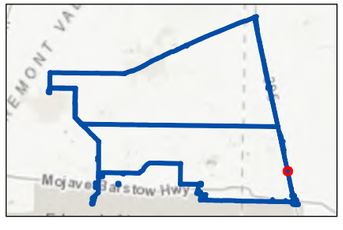

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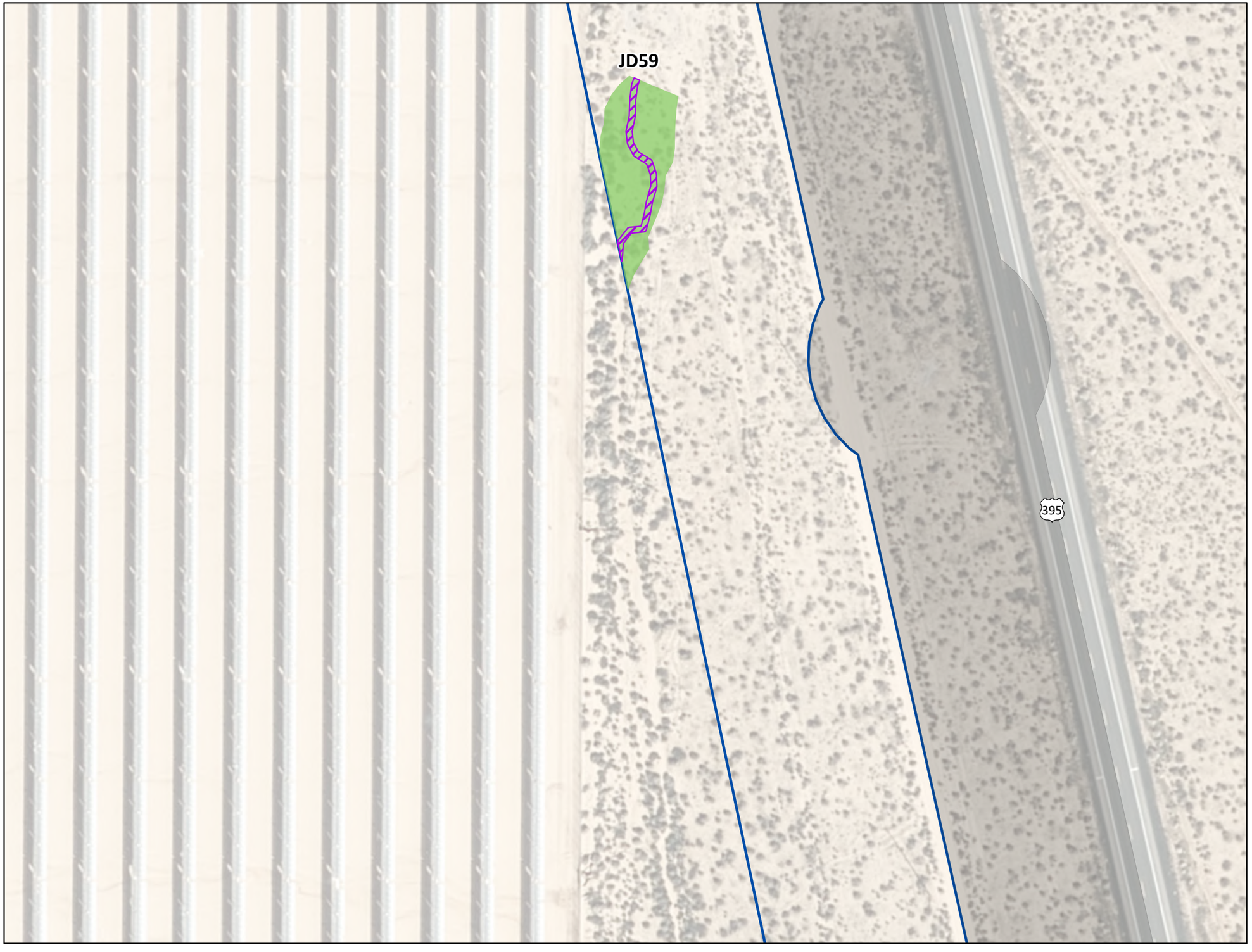

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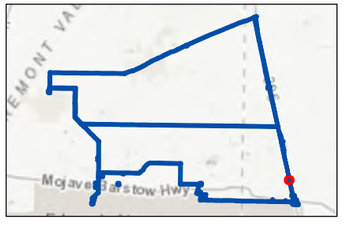

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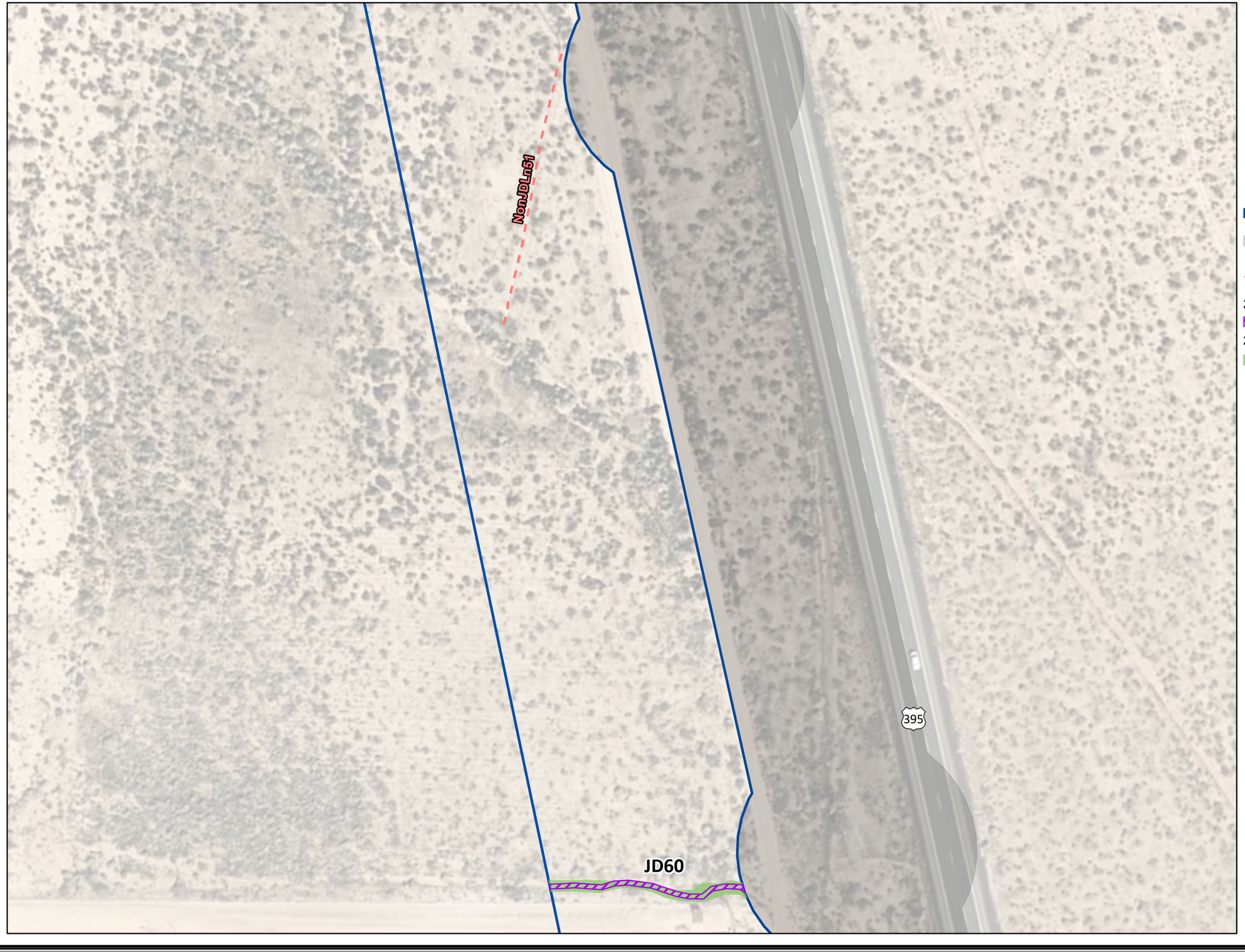

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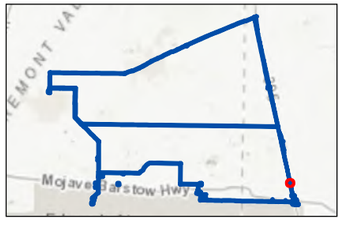

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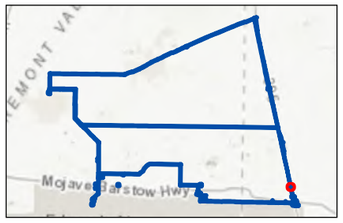
Aquatic Resources

2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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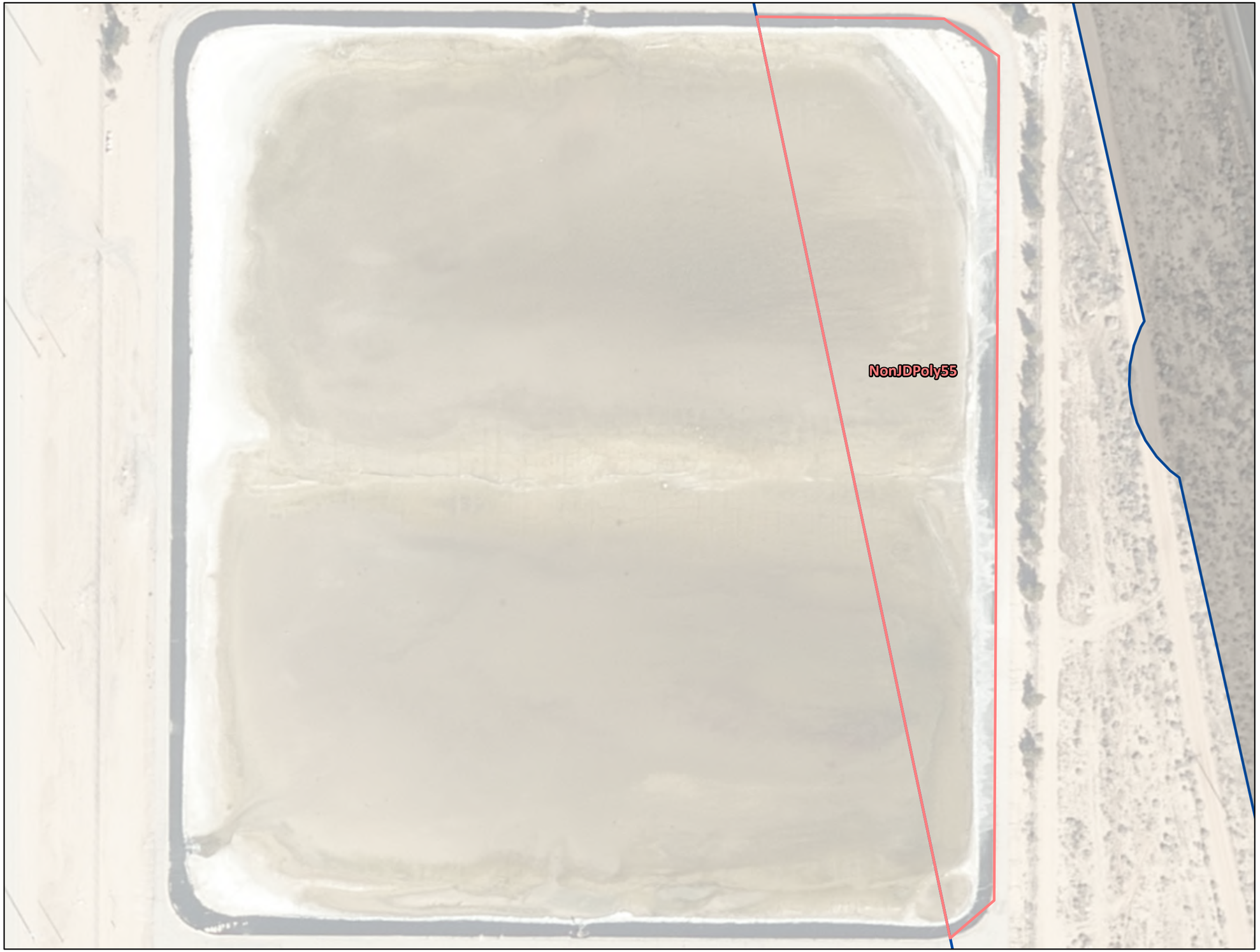
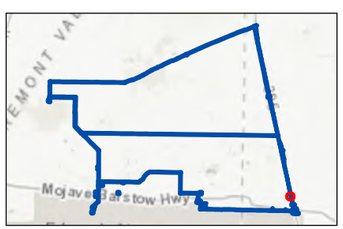
Aquatic Resources



- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- 2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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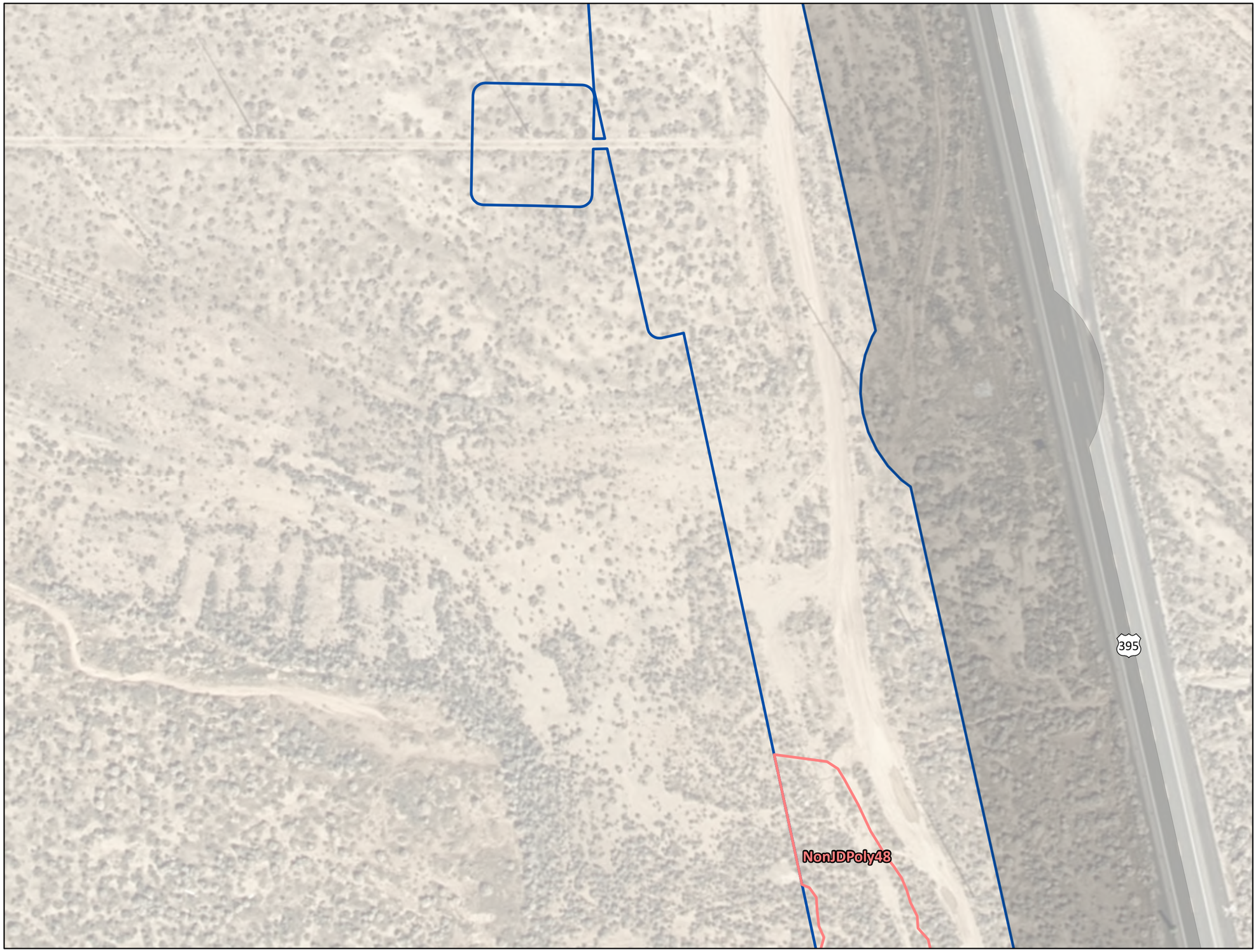
Aquatic Resources

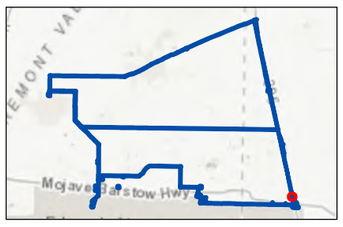


2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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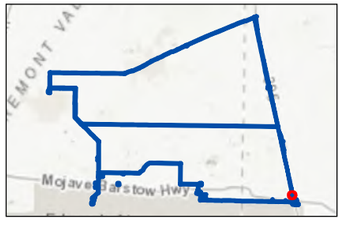
Aquatic Resources

- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- 2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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Aquatic Resources

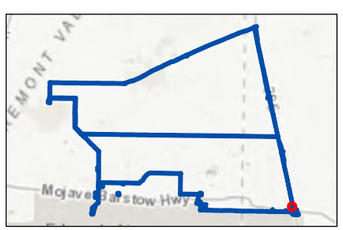
NonJDPoly53

NonJDPoly54

Salton Rd

- 2021/2022 Study Area
- SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)
- 2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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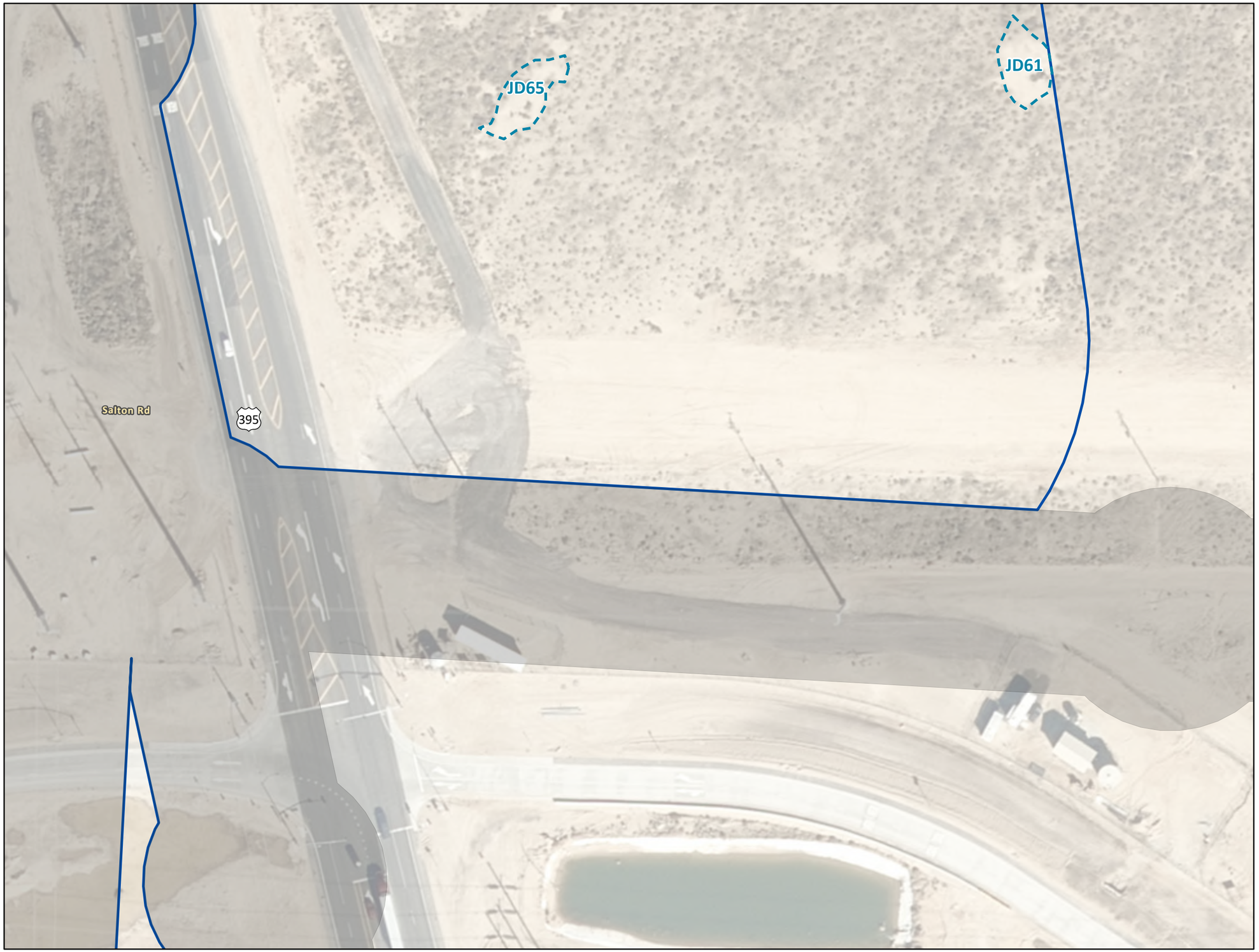
Aquatic Resources



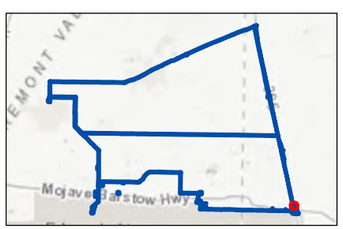
2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data Possibly Jurisdictional

Possibly Jurisdictional Feature (Playa)

0 50 100 Feet



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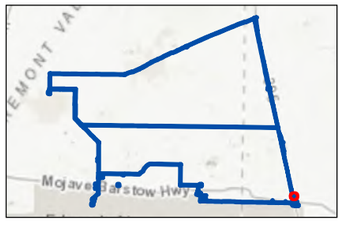
2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data Possibly Jurisdictional

Possibly Jurisdictional Feature (Playa)

0 50 100 Feet



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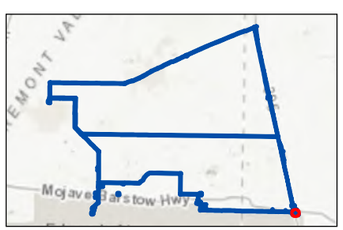
Aquatic Resources

2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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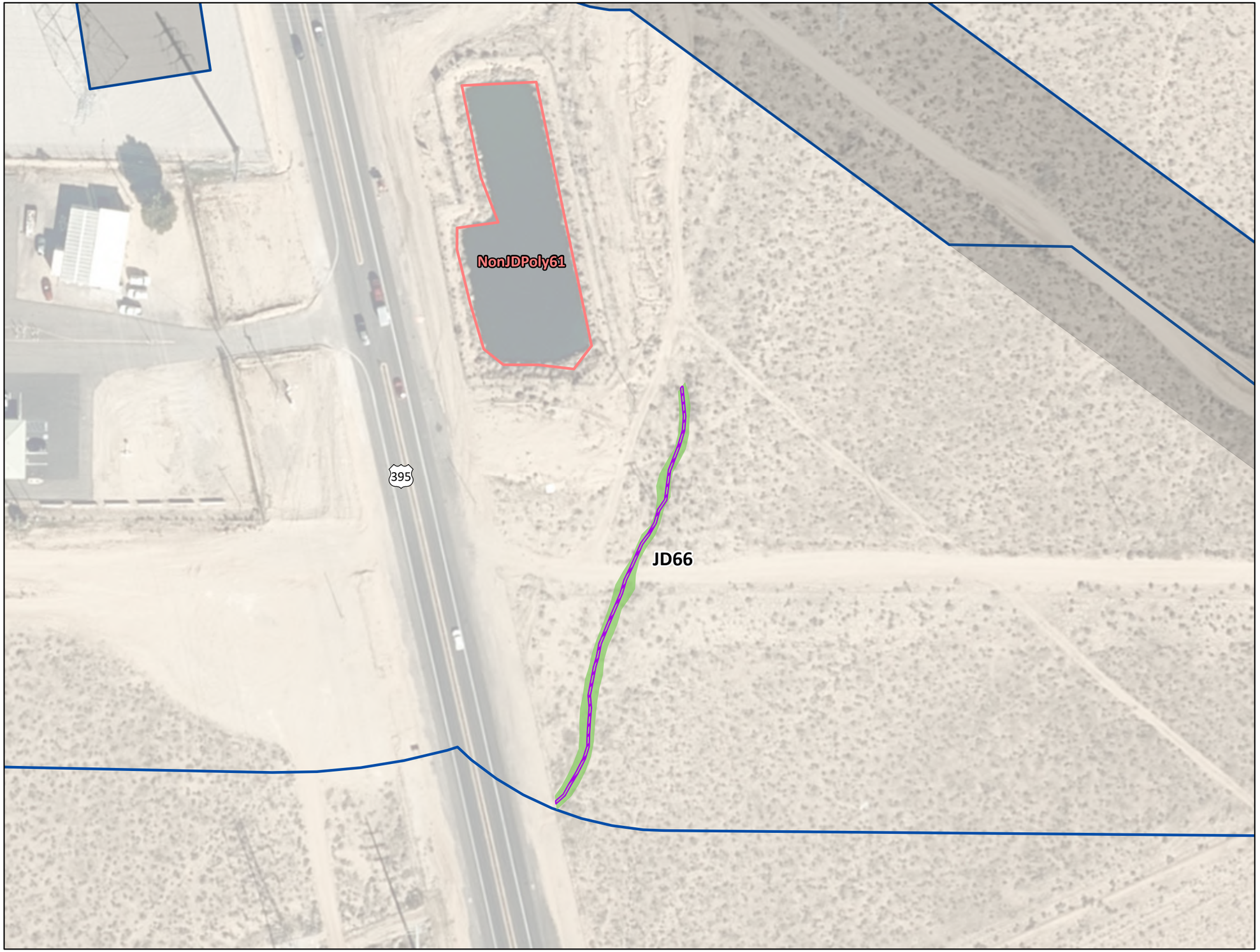
Aquatic Resources



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

2021/2022 Survey Data Non-Jurisdictional Feature

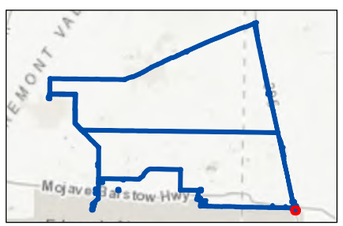
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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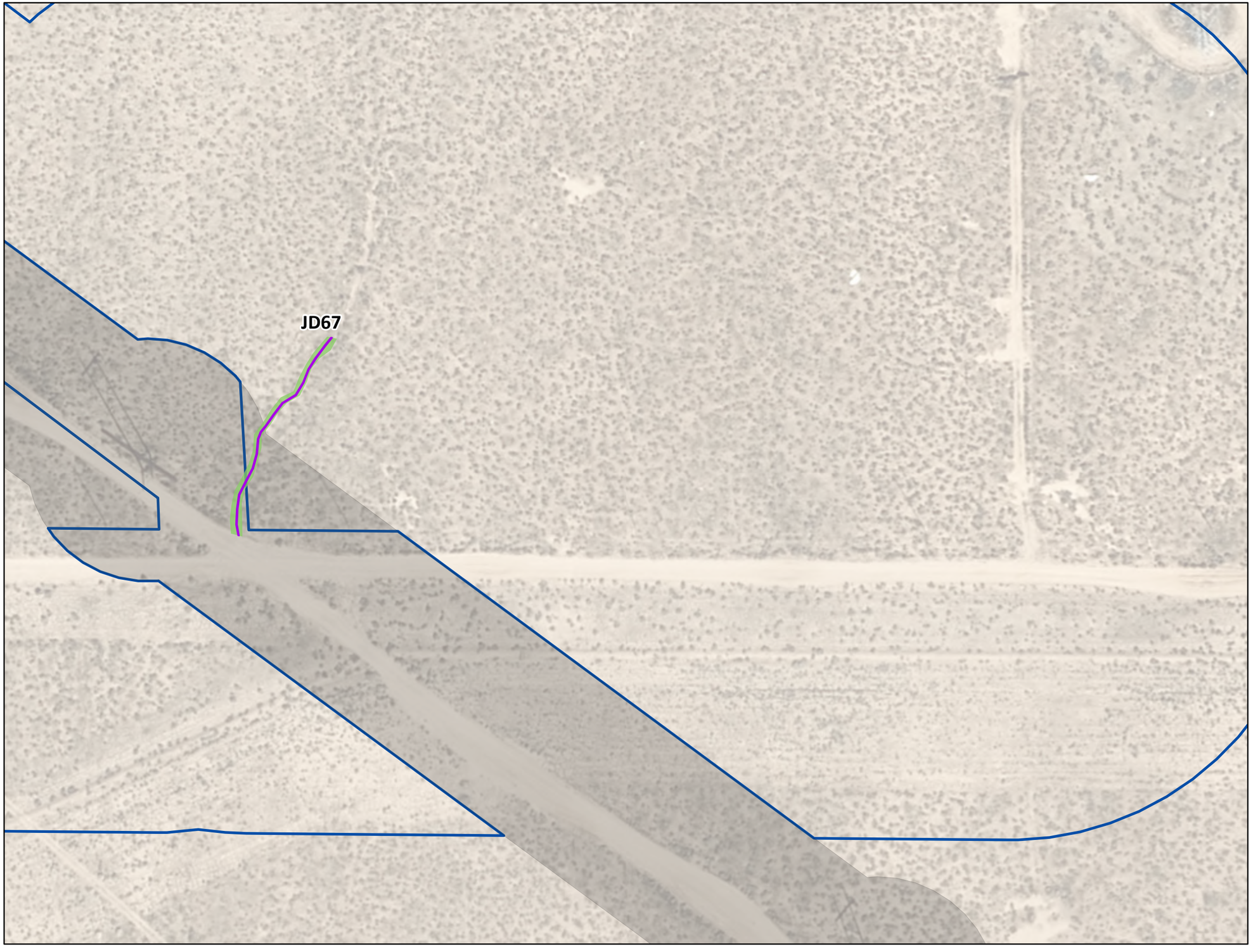
Aquatic Resources



2021/2022 Study Area

SCE Ivanpah-Coolwater-Kramer-Inyokern TLRR Project (Historical)

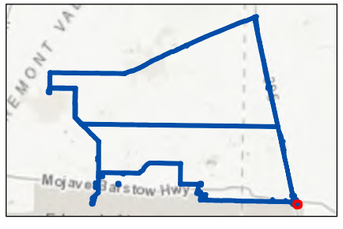
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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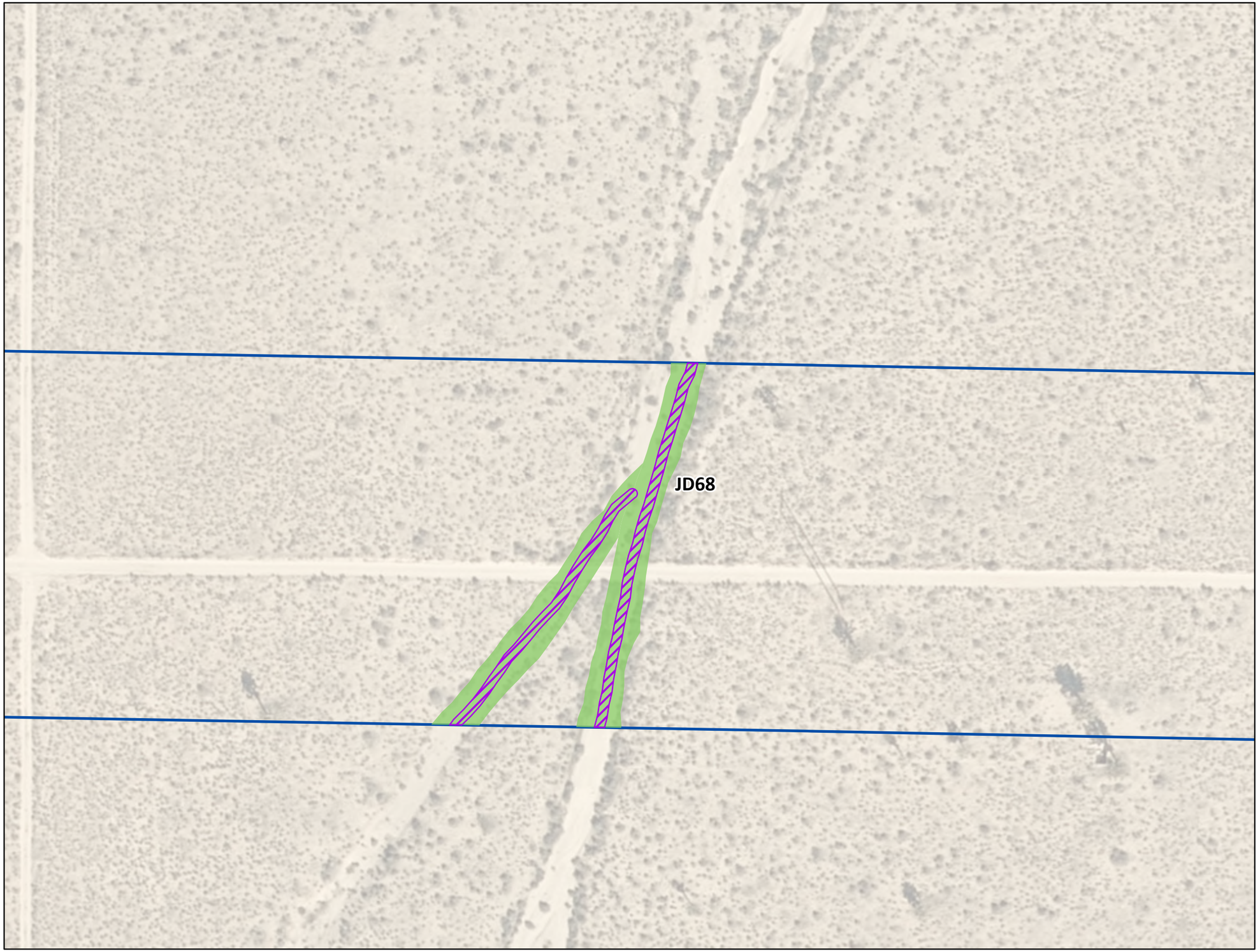
Aquatic Resources



2021/2022 Study Area

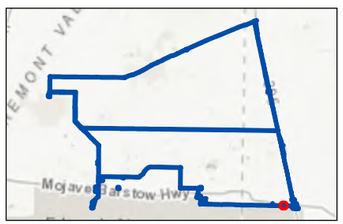
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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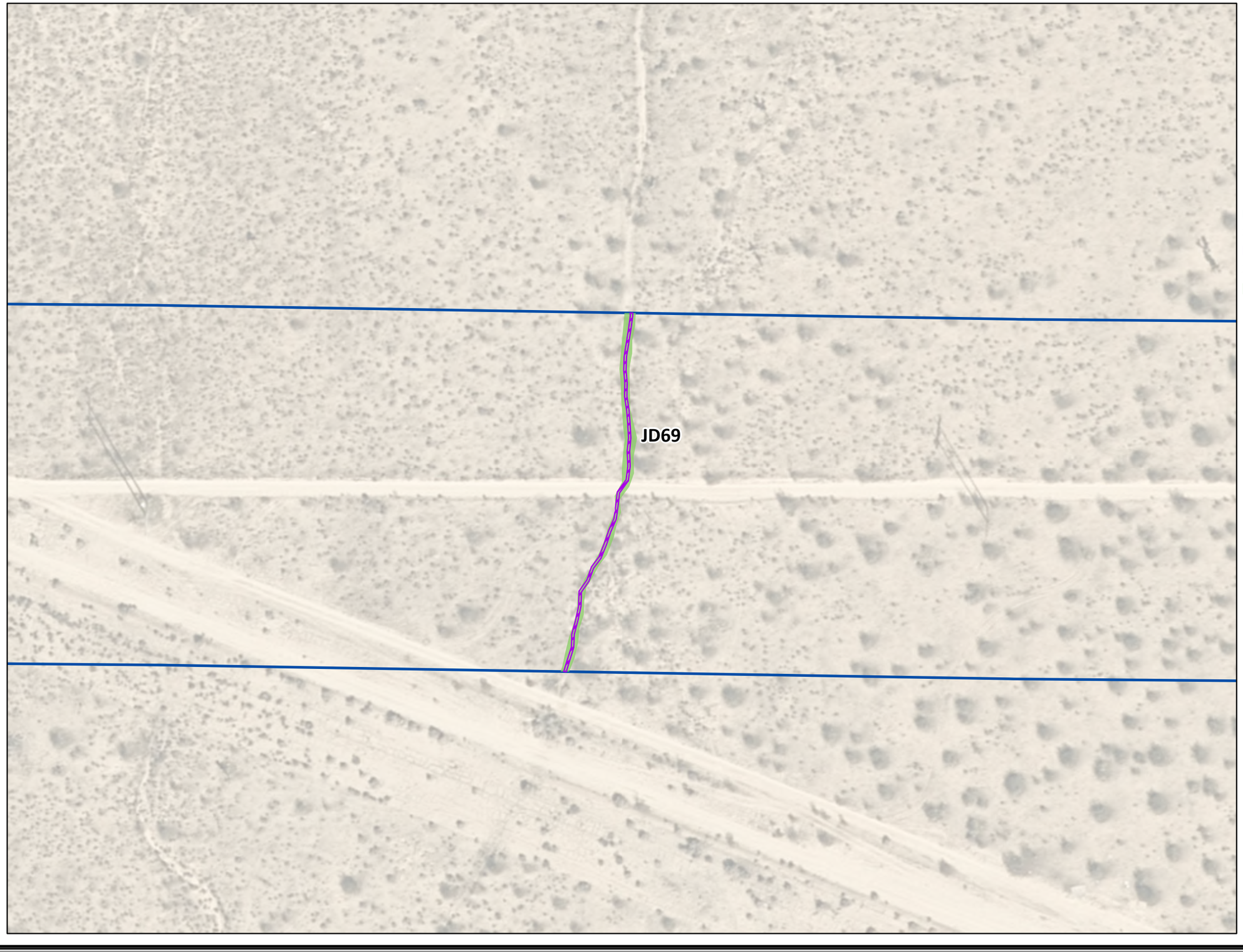
Aquatic Resources



2021/2022 Study Area

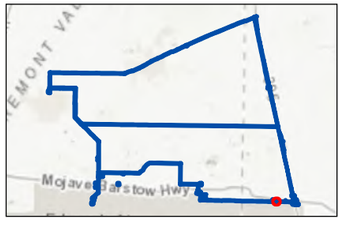
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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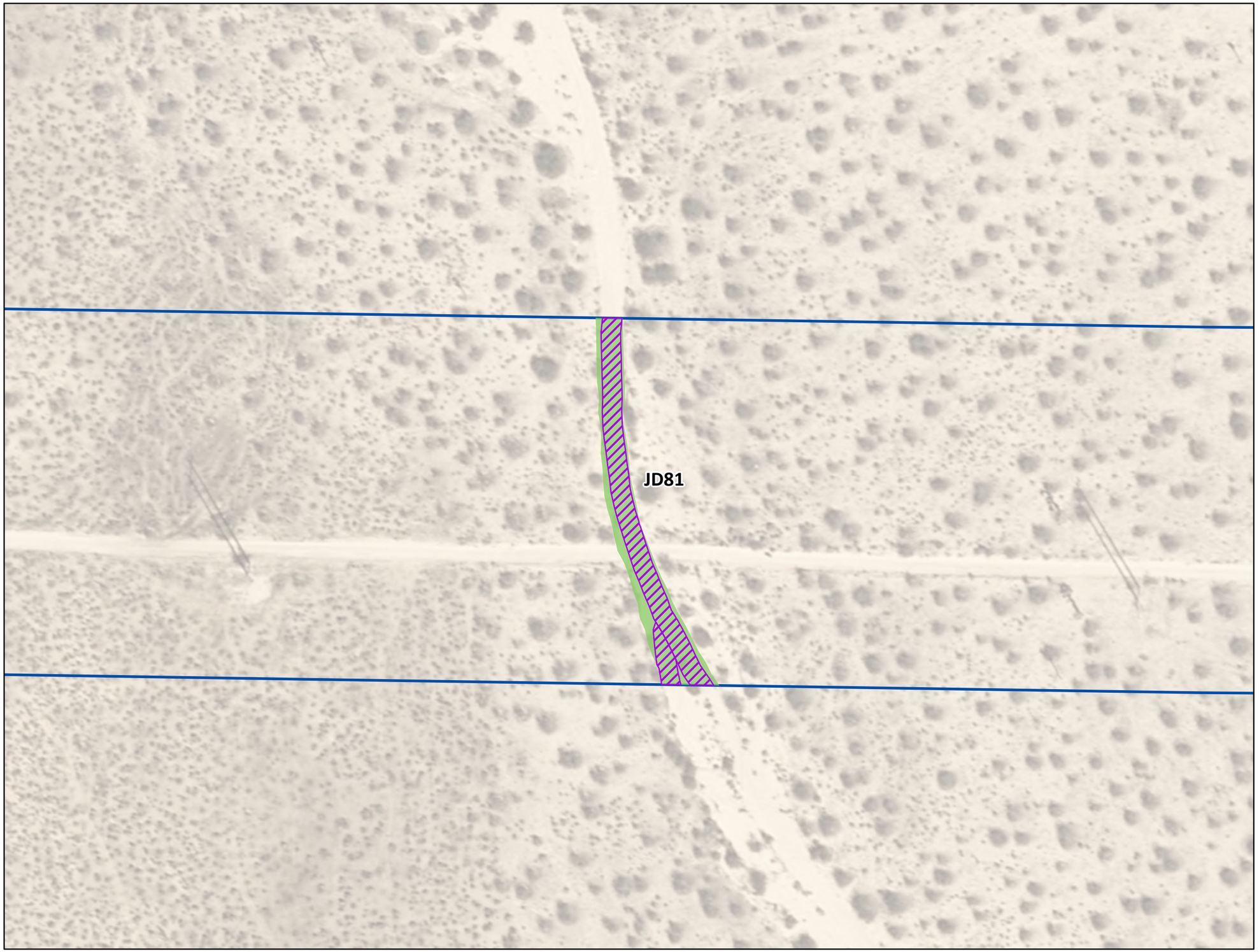
Aquatic Resources



2021/2022 Study Area

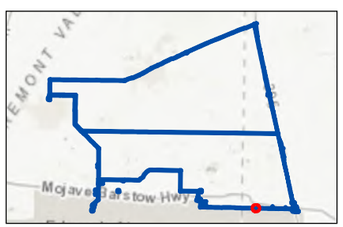
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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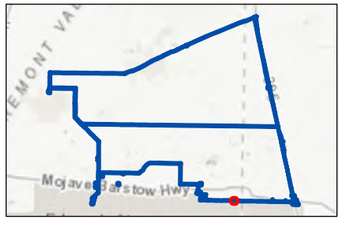
Aquatic Resources

2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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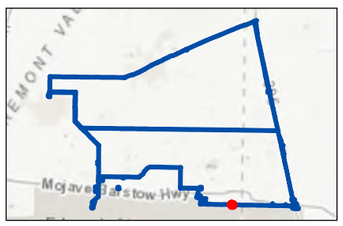
2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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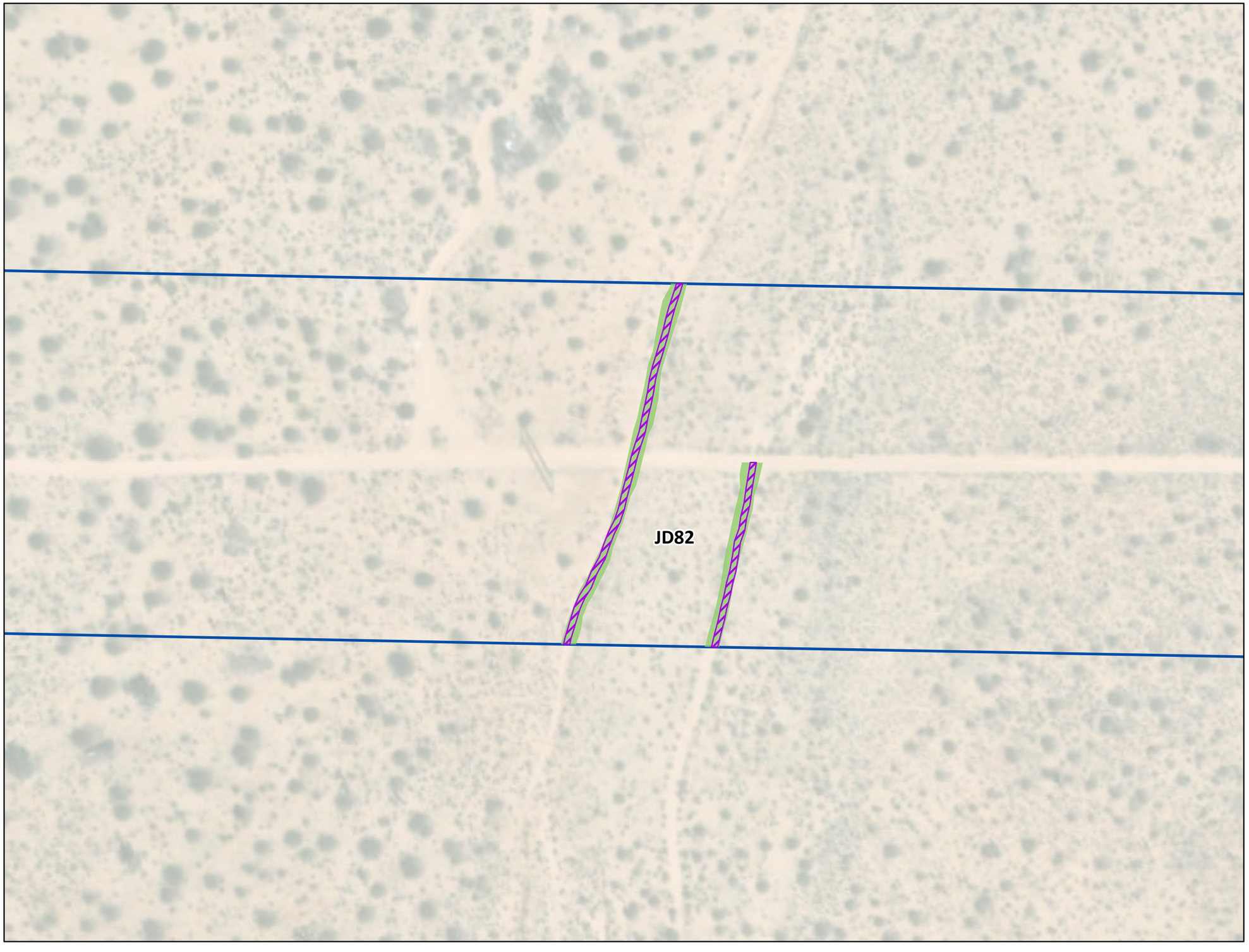
Aquatic Resources



2021/2022 Study Area

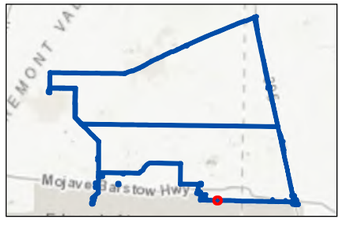
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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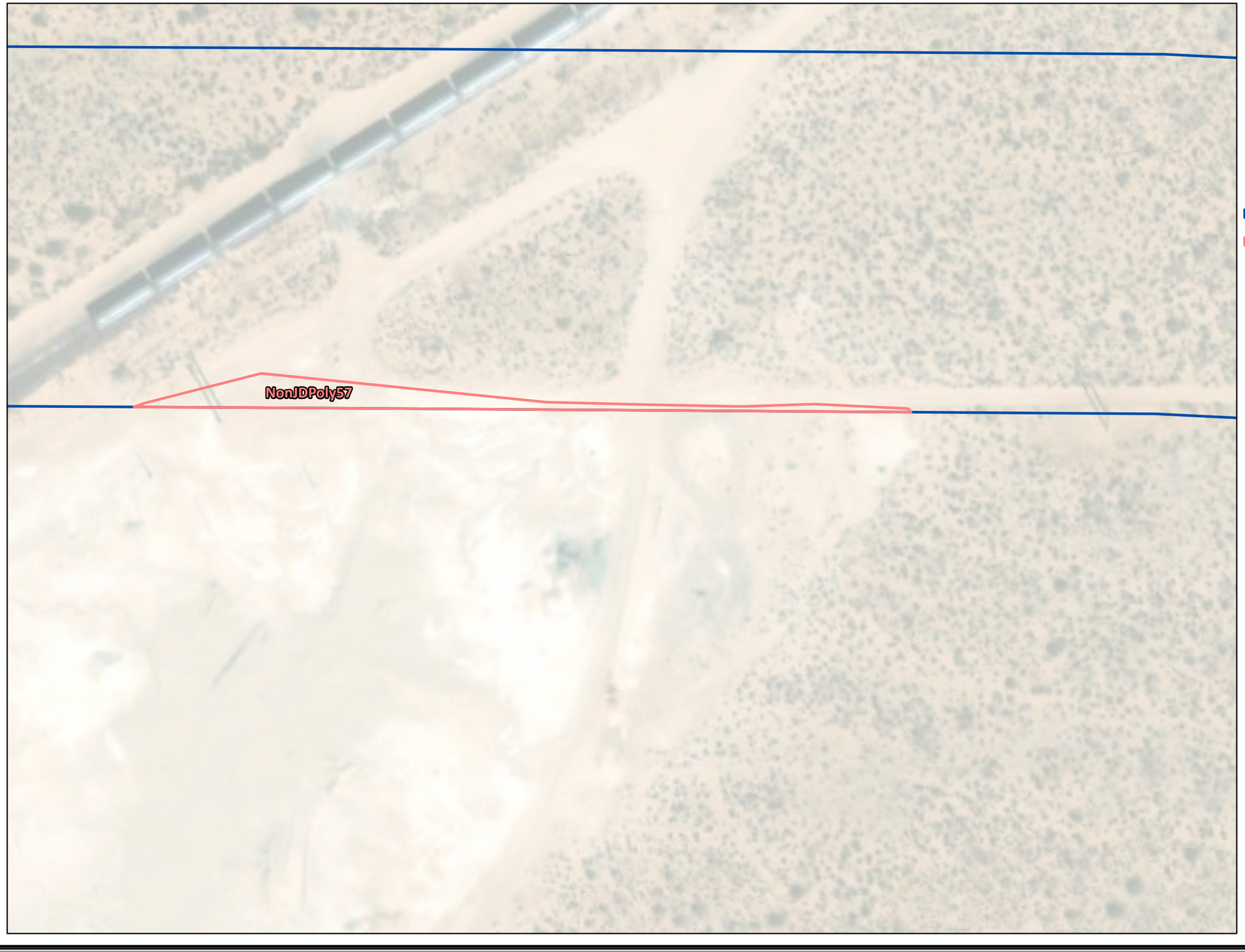
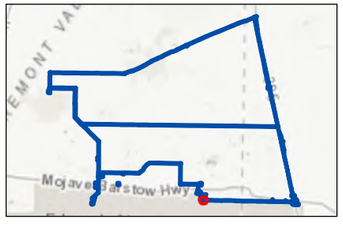
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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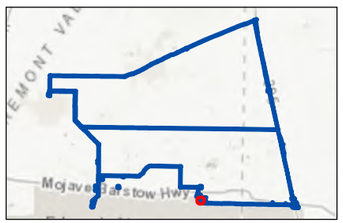
Aquatic Resources

2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

0 50 100 Feet



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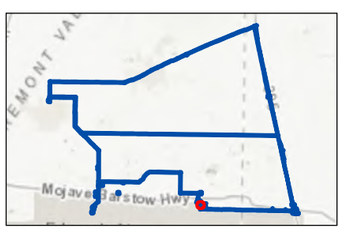
Aquatic Resources

2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

0 50 100 Feet



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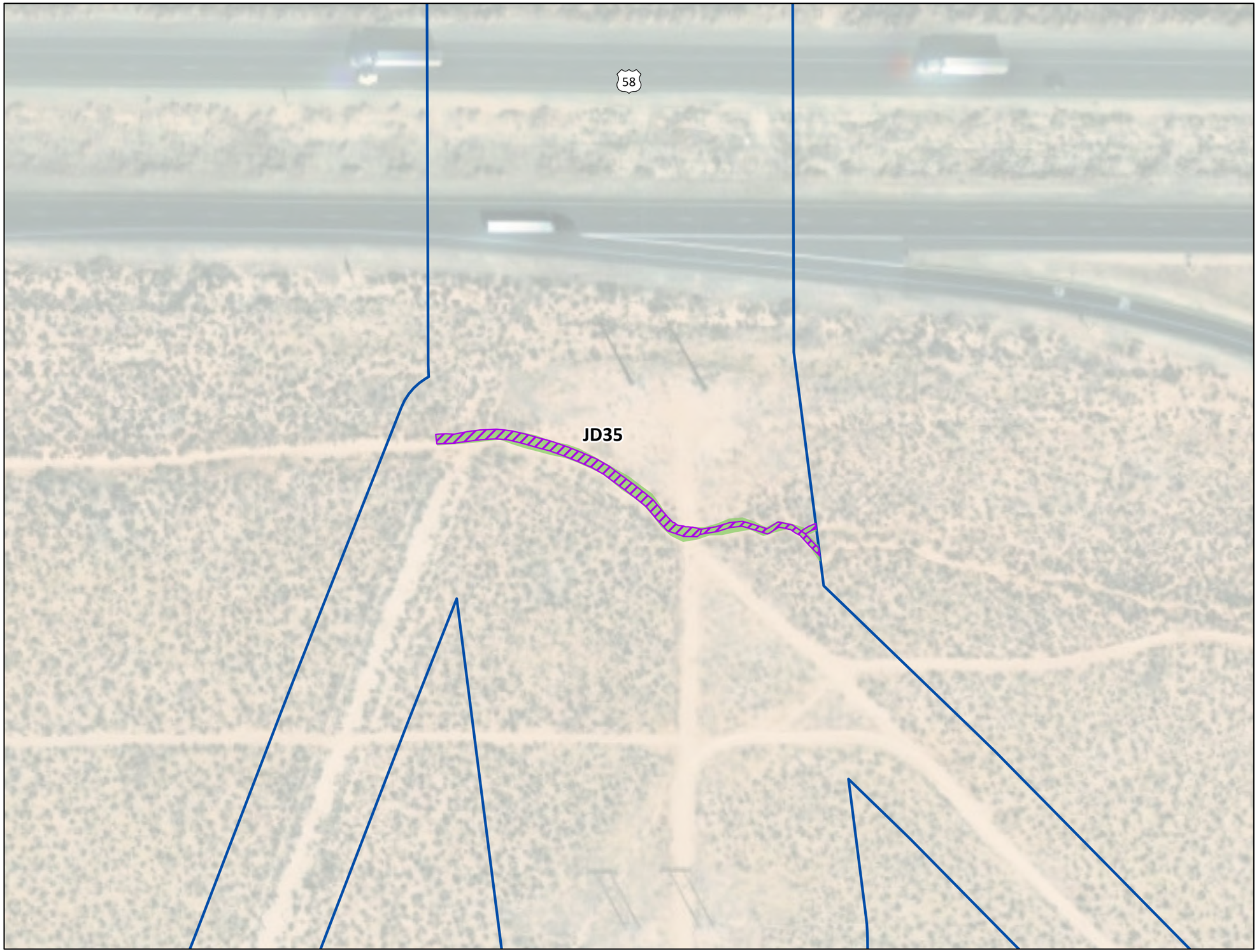
Aquatic Resources



2021/2022 Study Area

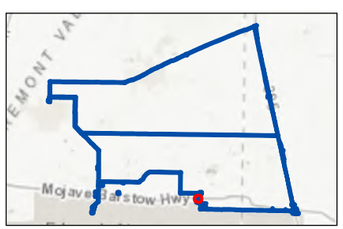
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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Aquatic Resources

2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

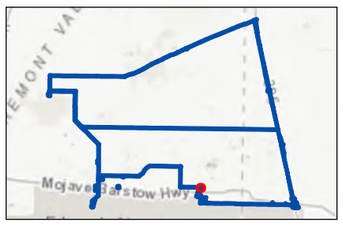
Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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Aquatic Resources

- Existing Switchyard
- 2021/2022 Study Area

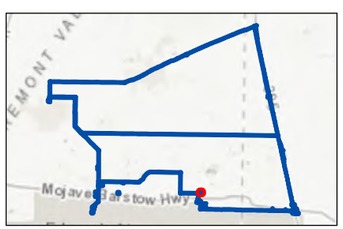
2021/2022 Survey Data RWQCB Jurisdiction

- Culverted Non-wetland Waters of the State
- Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

- CDFW-jurisdictional Streambed

0 50 100 Feet



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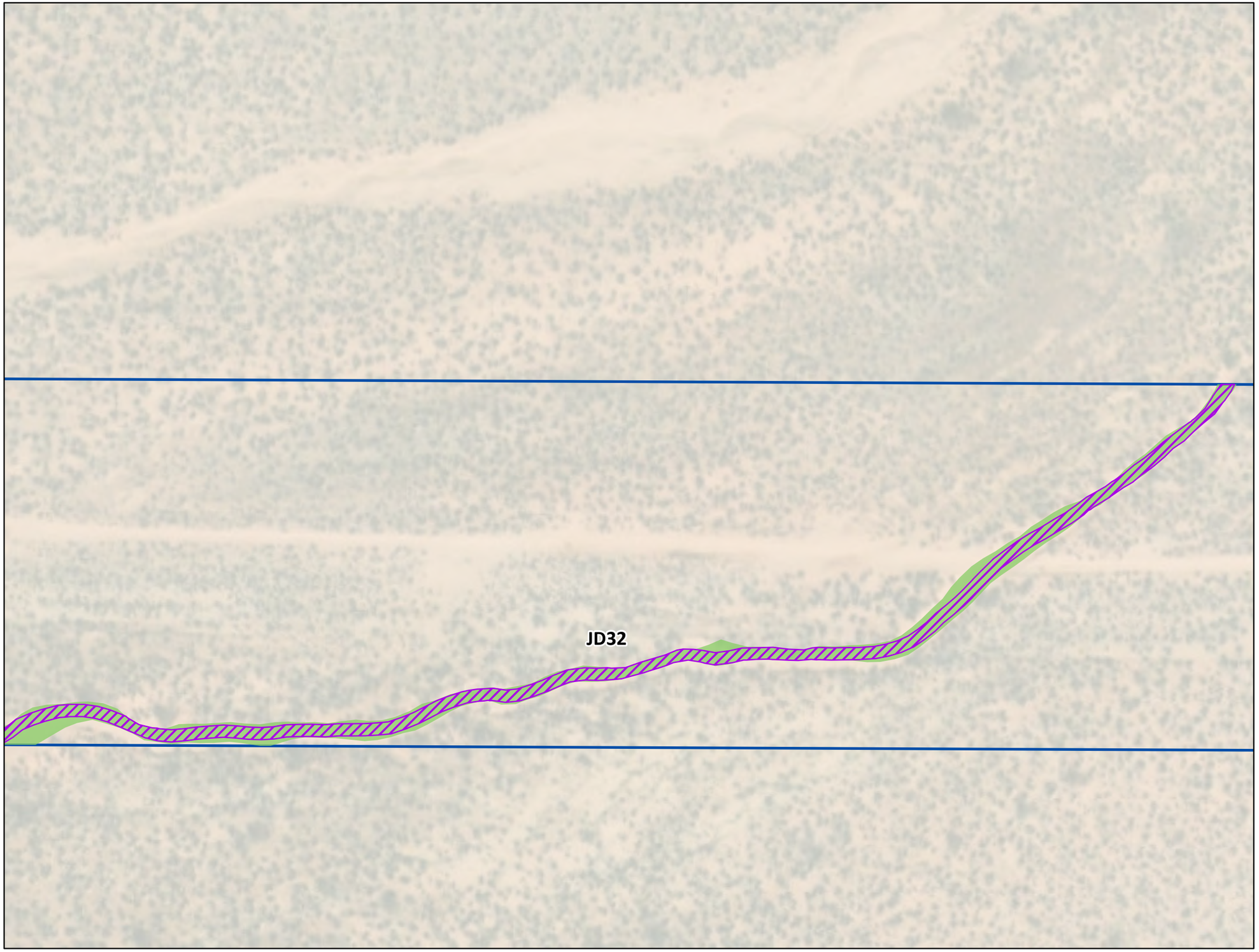
Aquatic Resources



2021/2022 Study Area

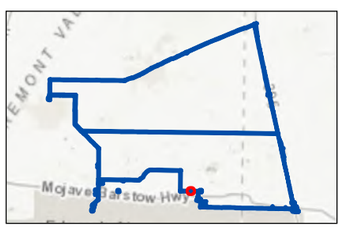
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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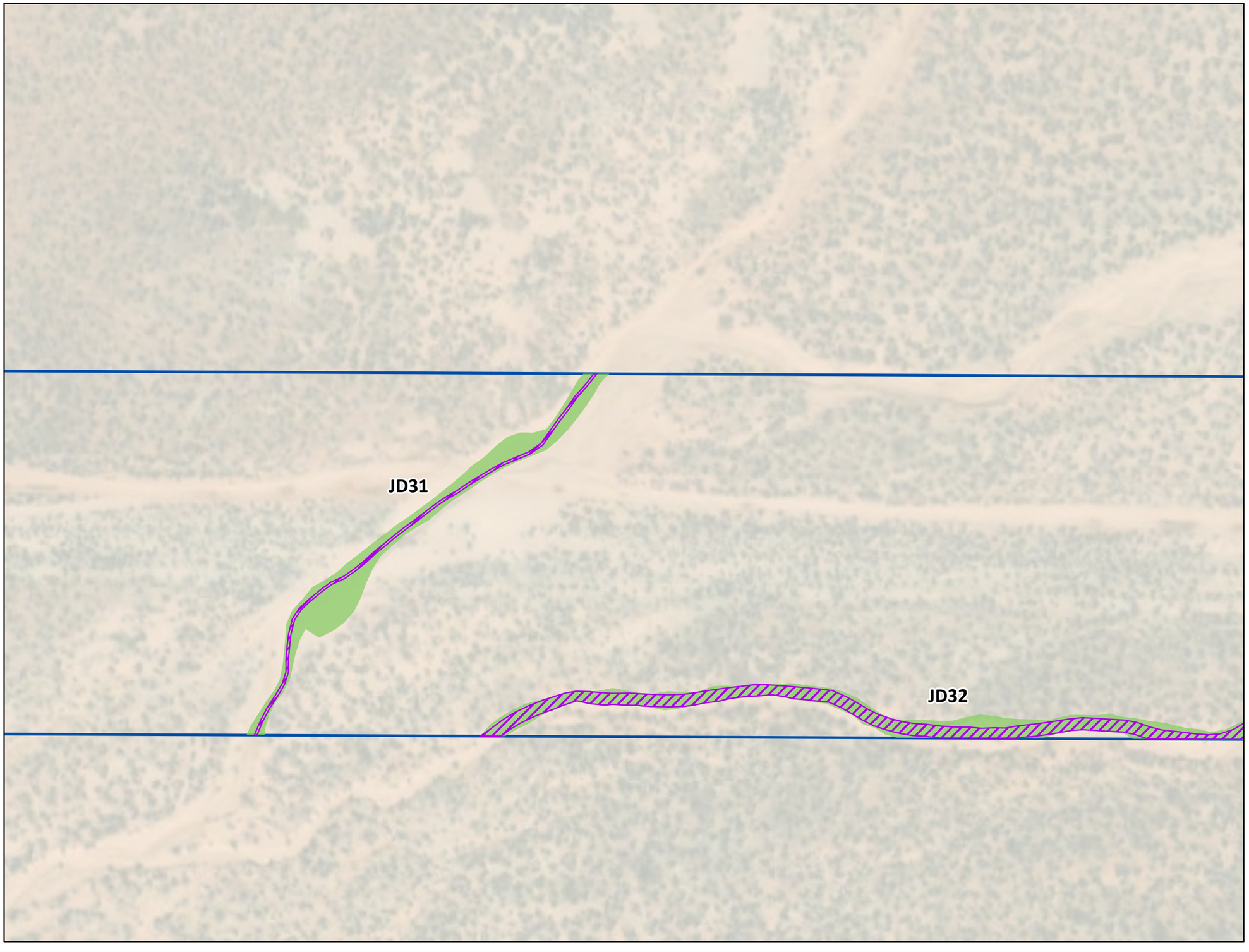
Aquatic Resources



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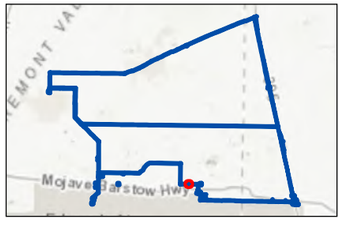

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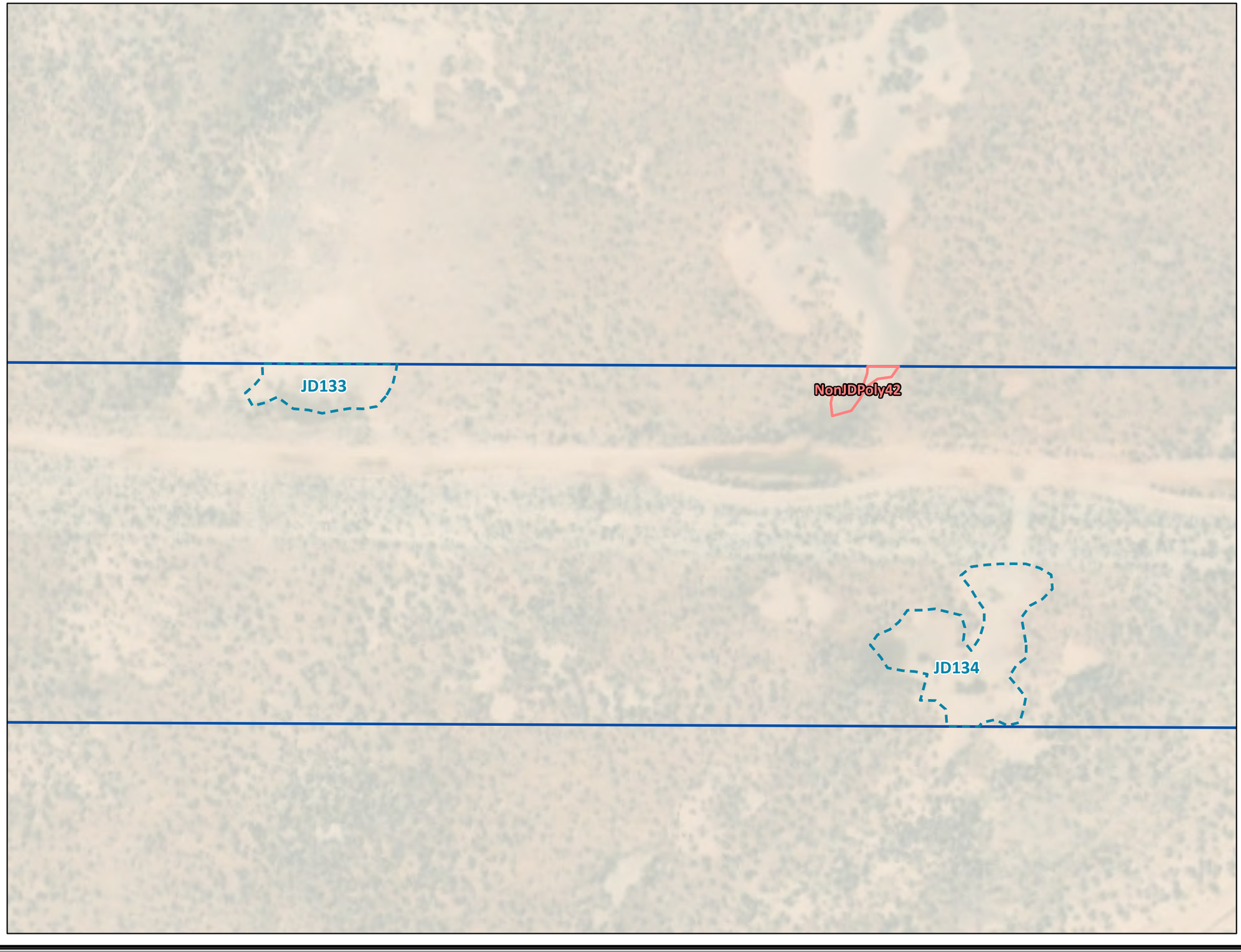

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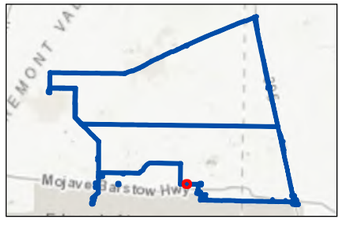
Possibly Jurisdictional Feature (Playa)

0 50 100 Feet



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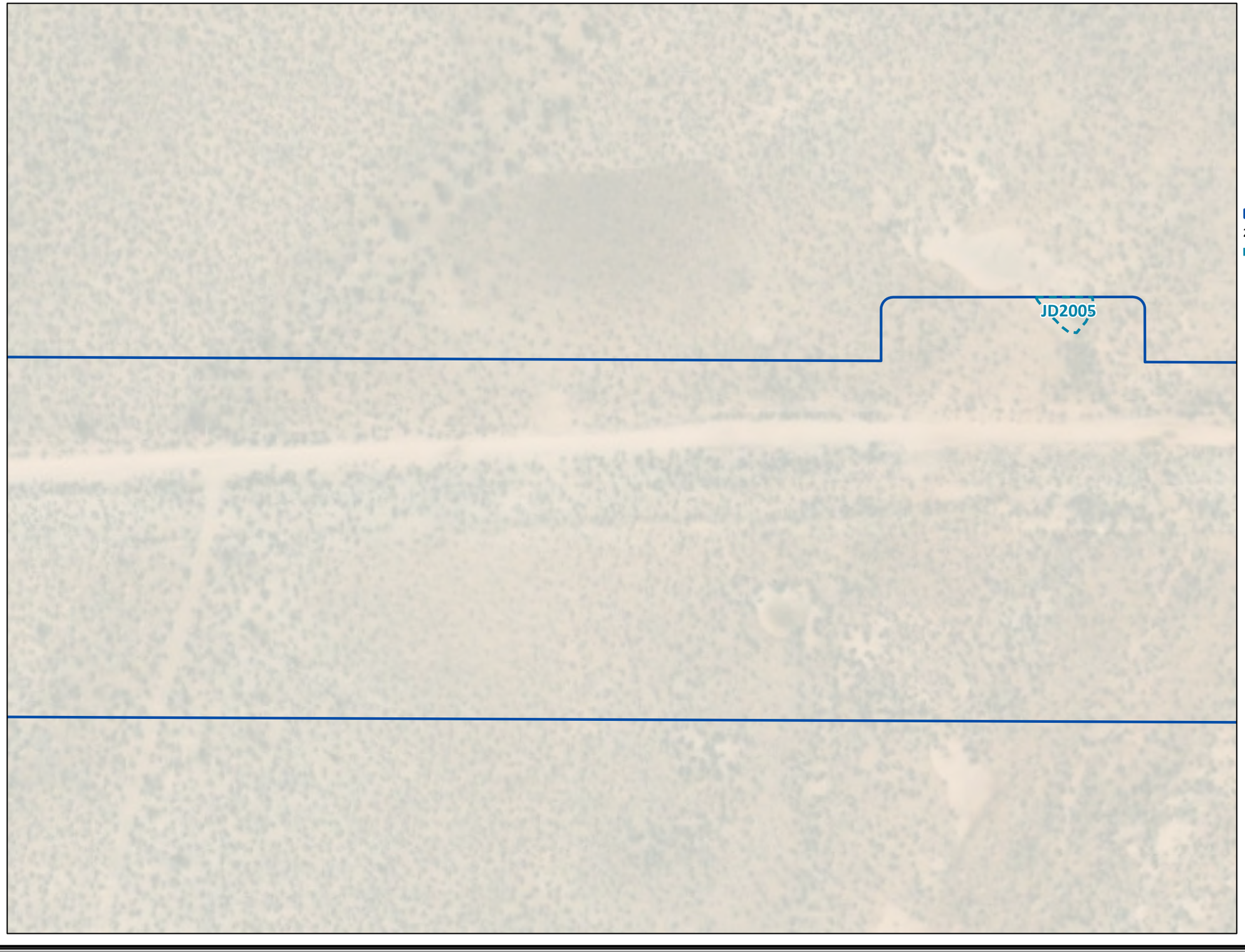

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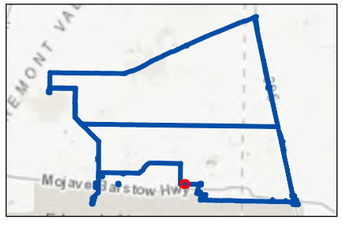

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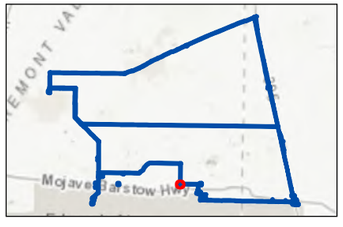

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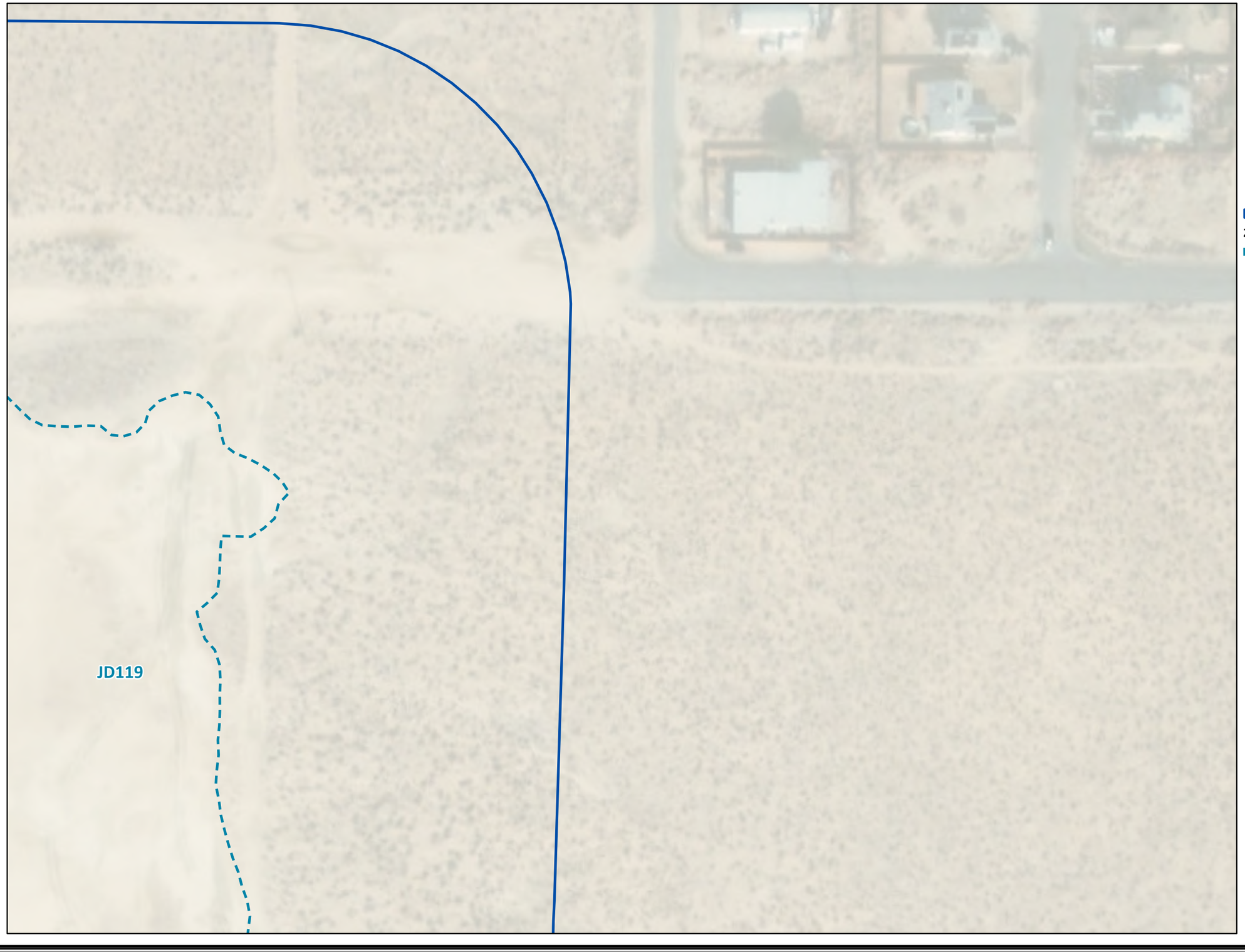

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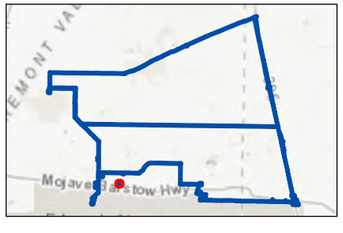

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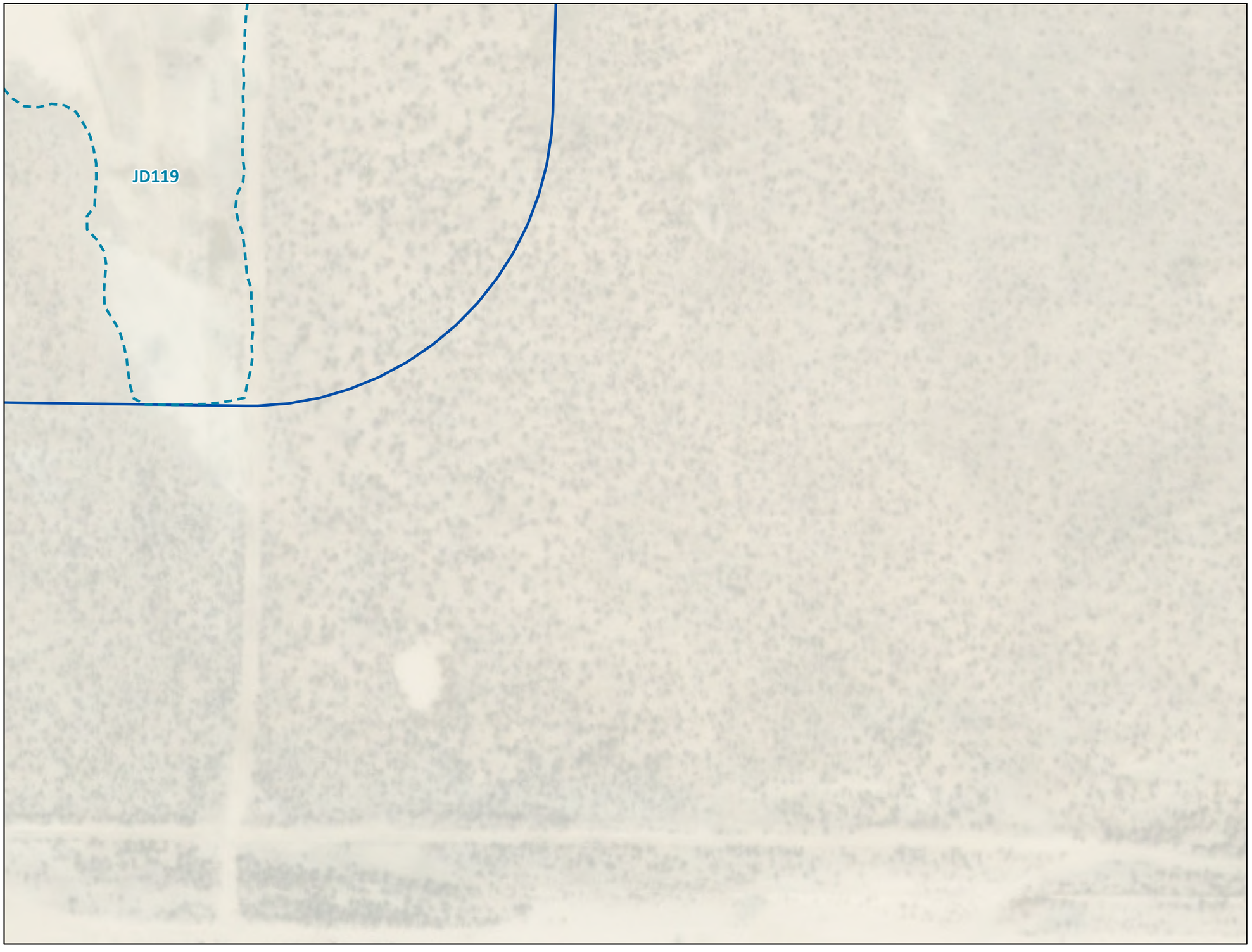

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Aquatic Resources

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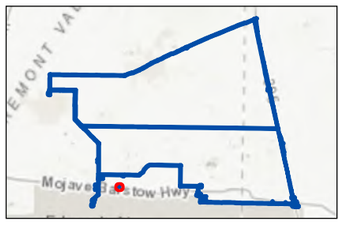

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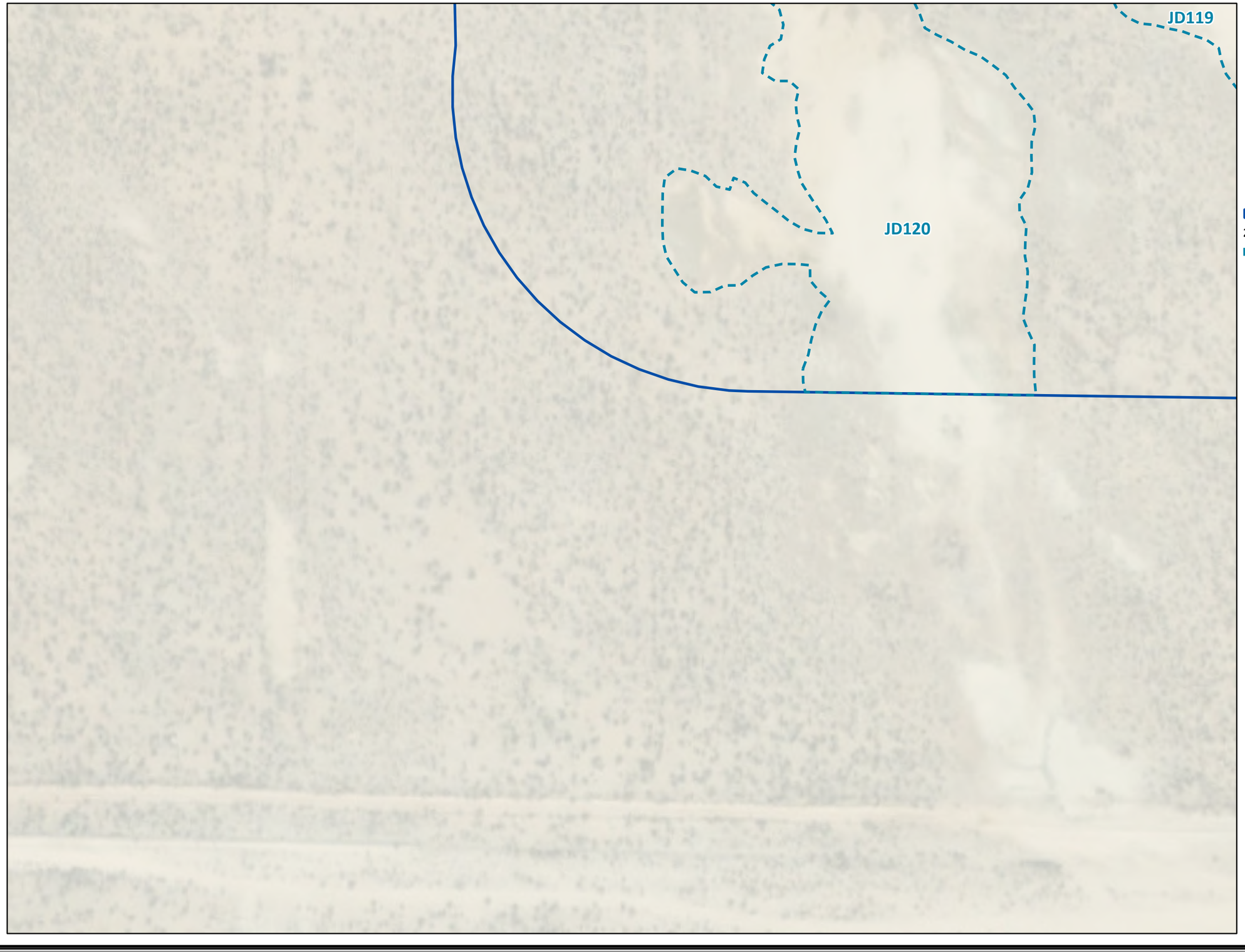

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Aquatic Resources

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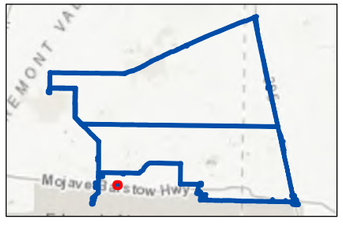

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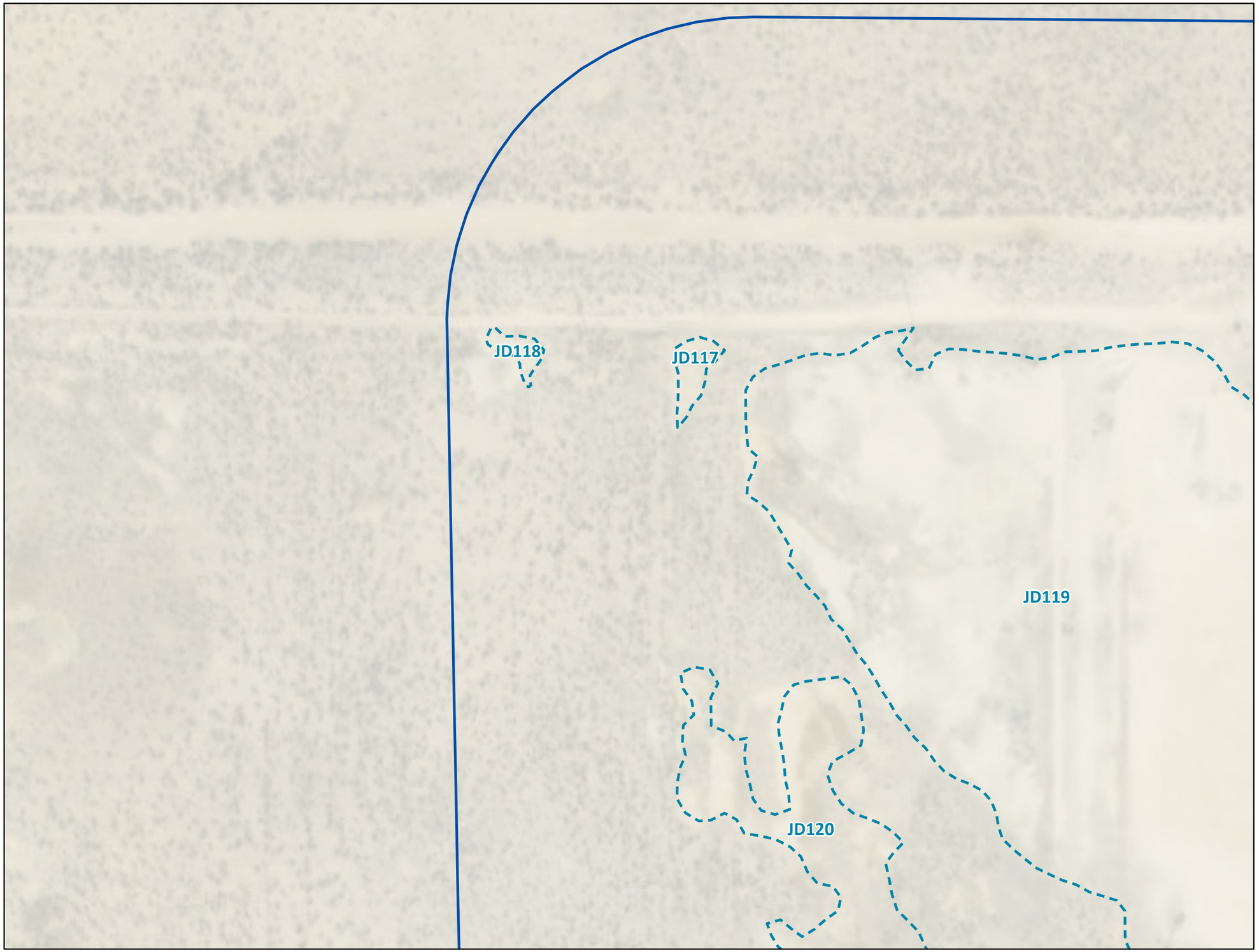

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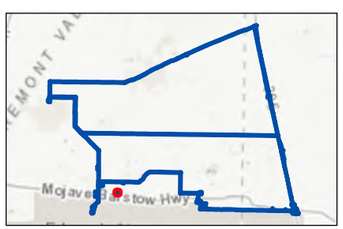

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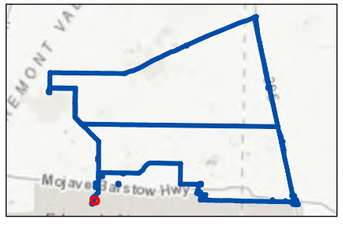

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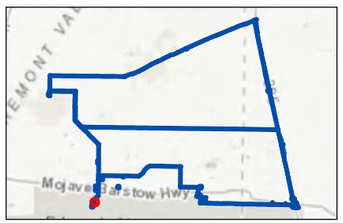

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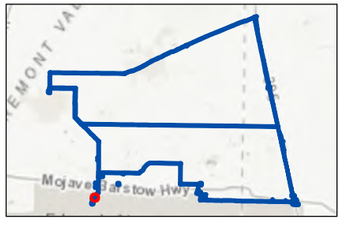

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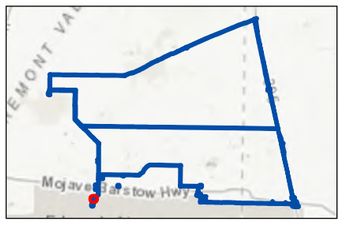

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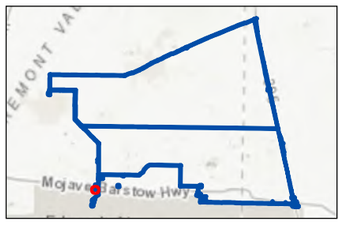

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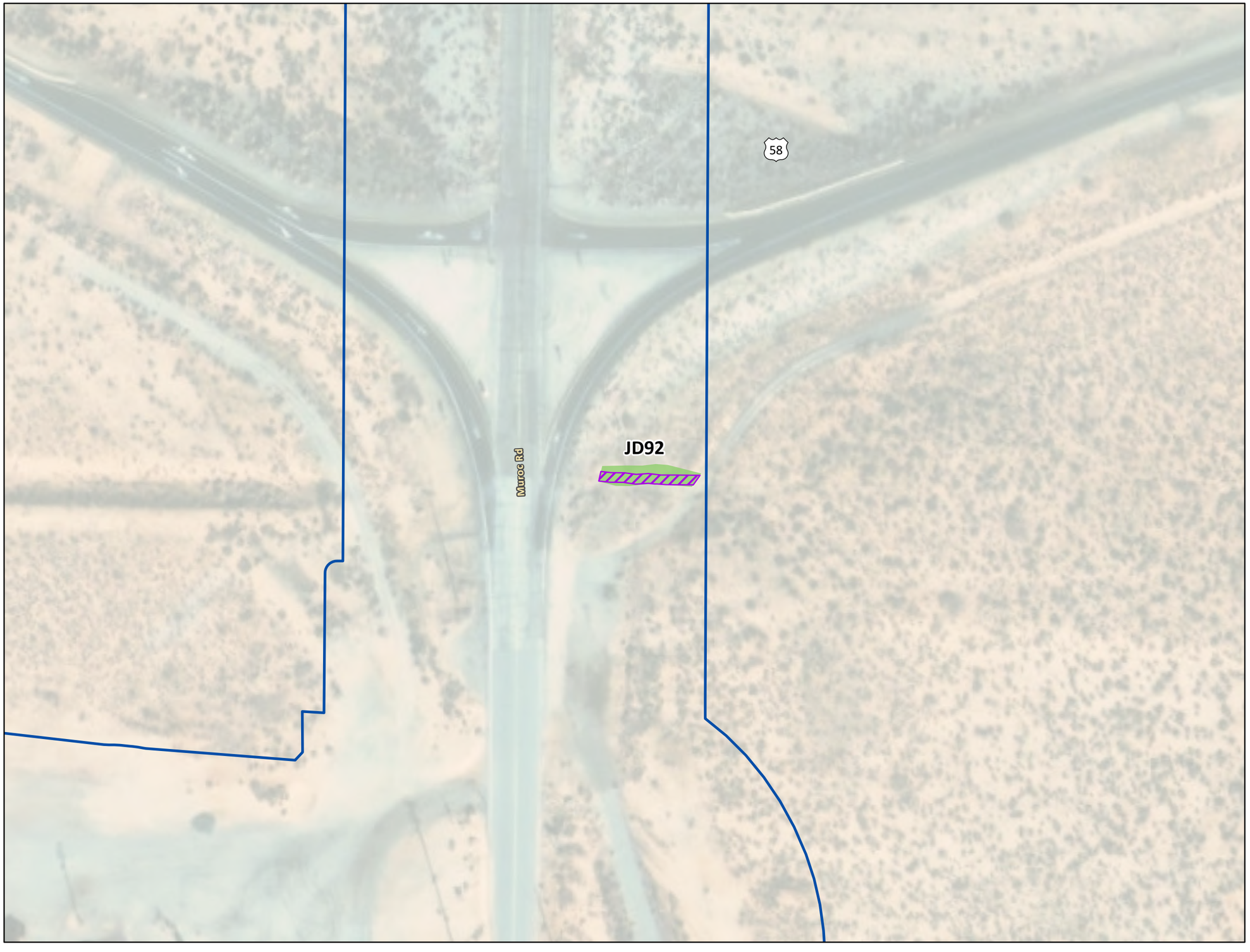

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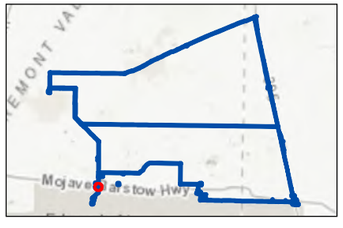

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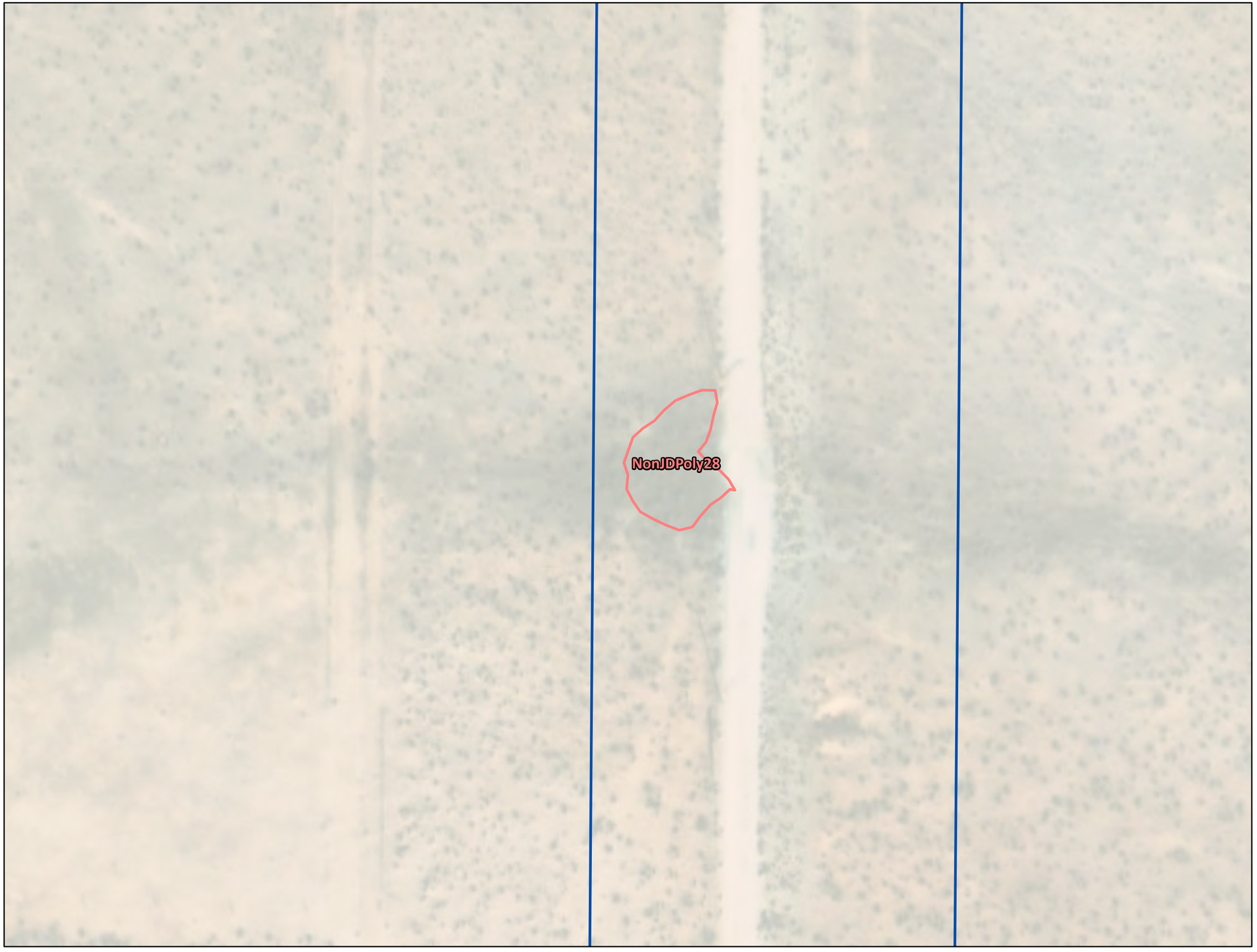

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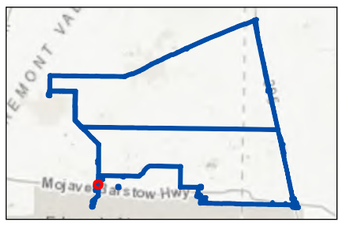

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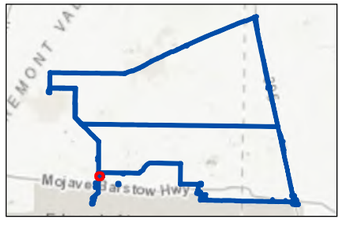

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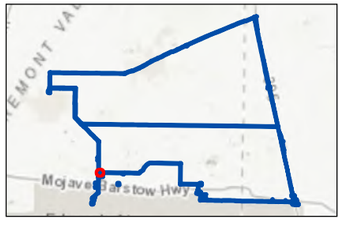

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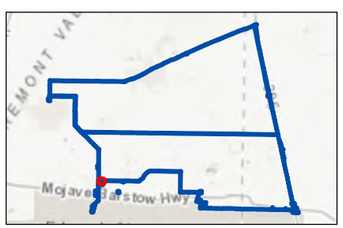

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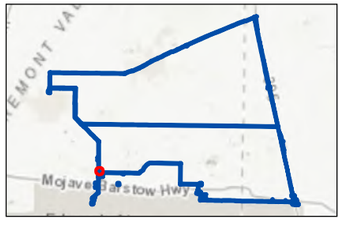

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Possibly Jurisdictional Feature (Playa)

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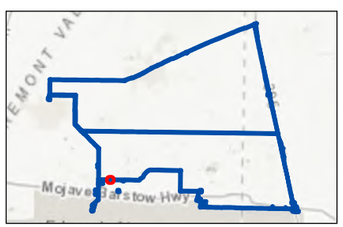

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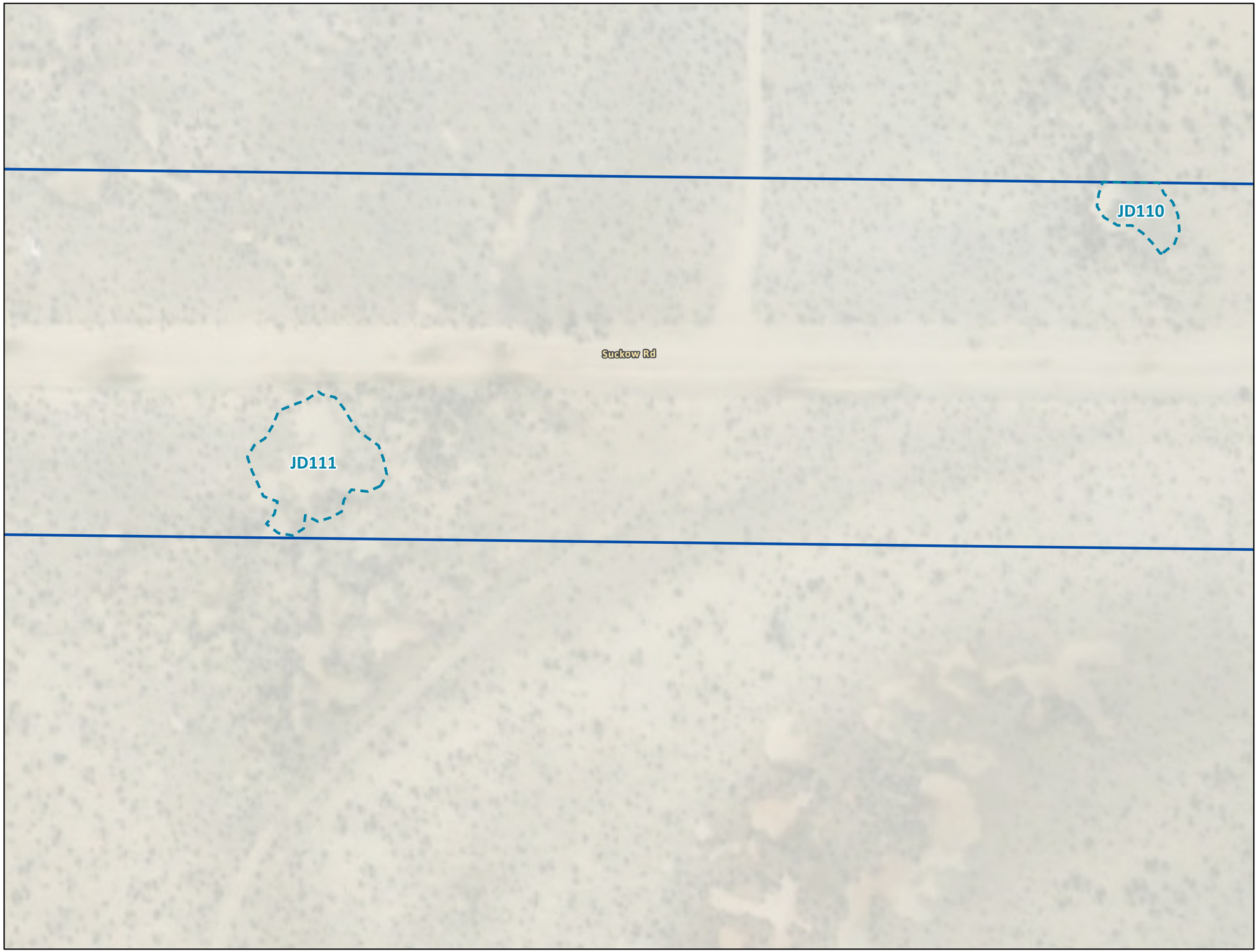

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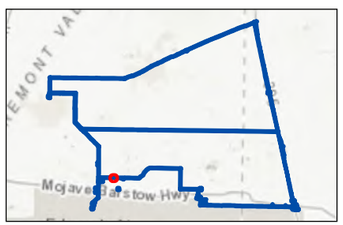

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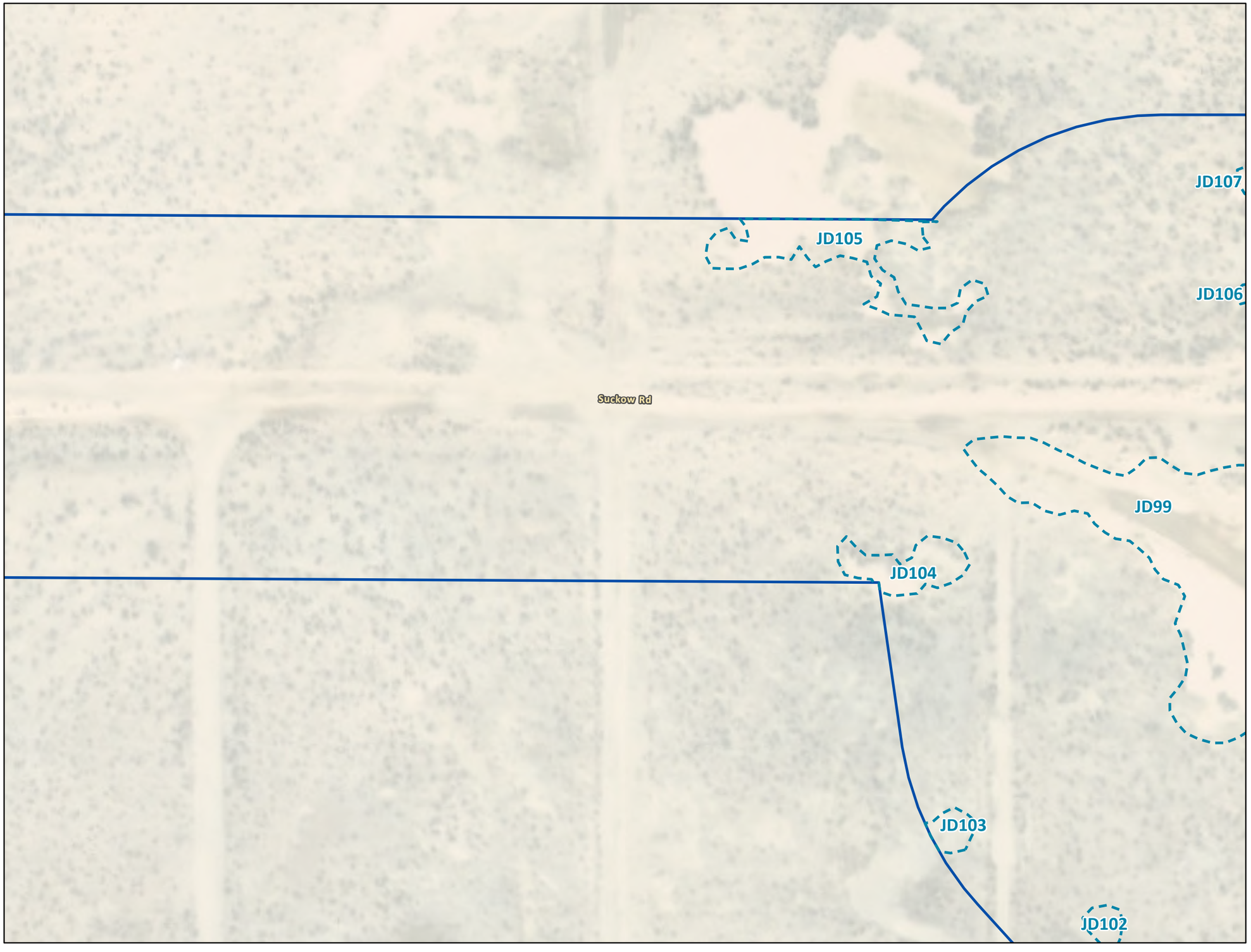

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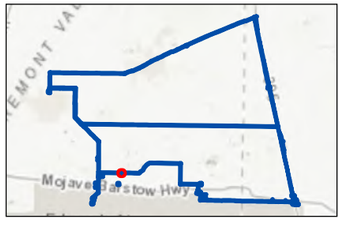

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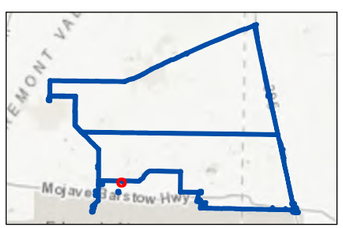

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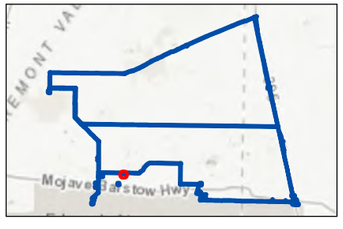

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JD108

JD107

JD106

JD109

Suckow Rd

JD99

2021/2022 Study Area

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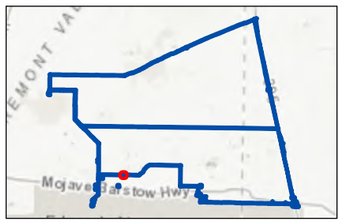
Possibly Jurisdictional Feature (Playa)

0 50 100 Feet



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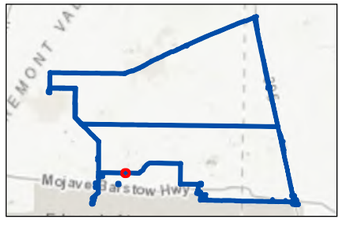
2021/2022 Study Area

2021/2022 Survey Data Possibly Jurisdictional

Possibly Jurisdictional Feature (Playa)

0 50 100 Feet



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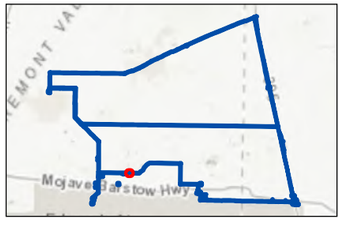

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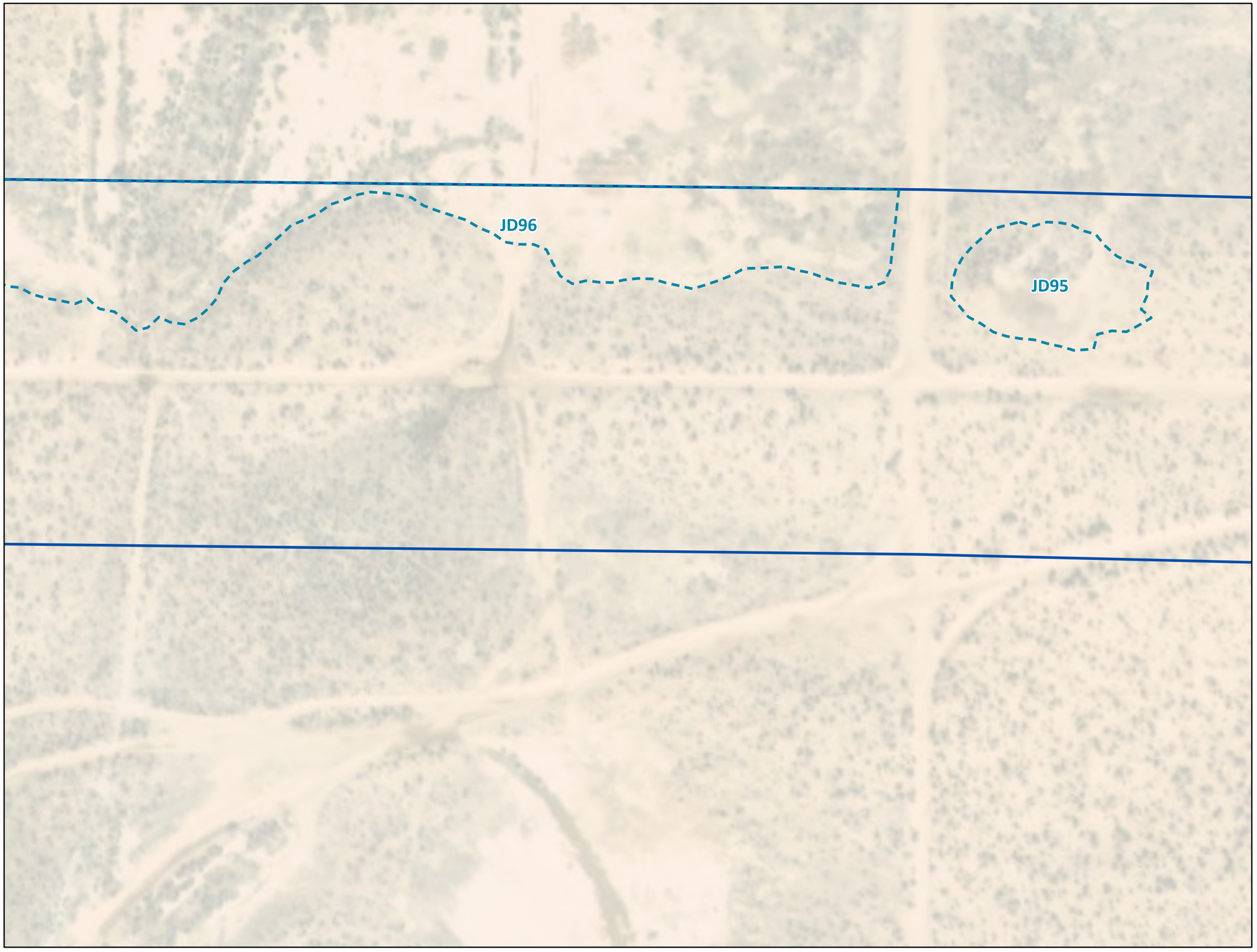

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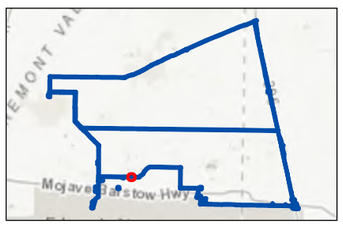

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Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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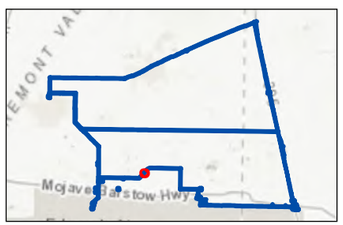

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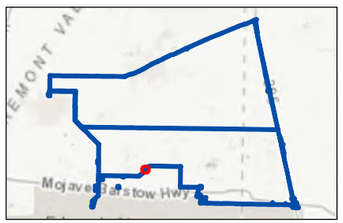

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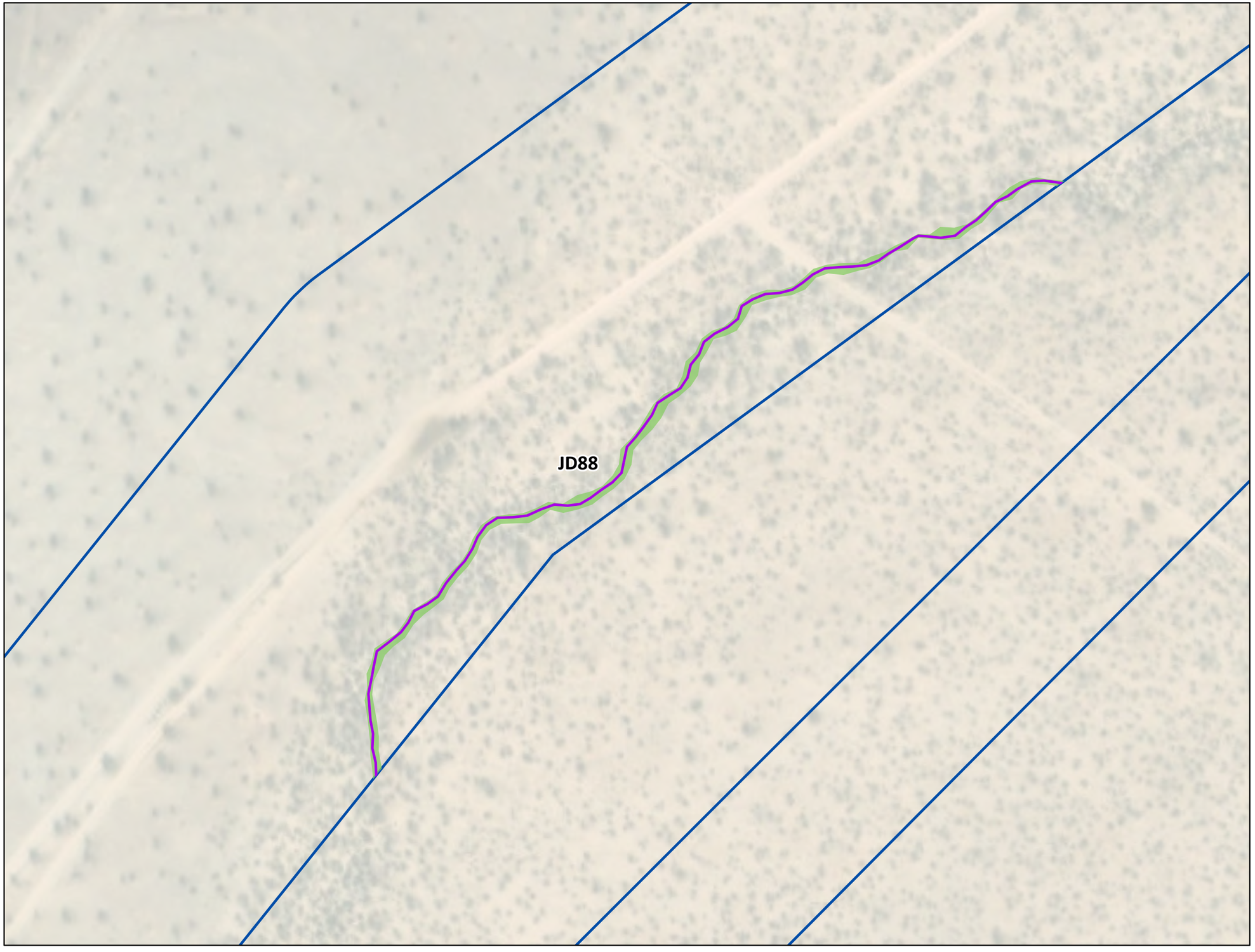

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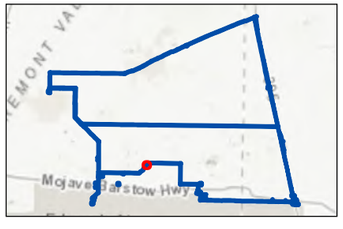

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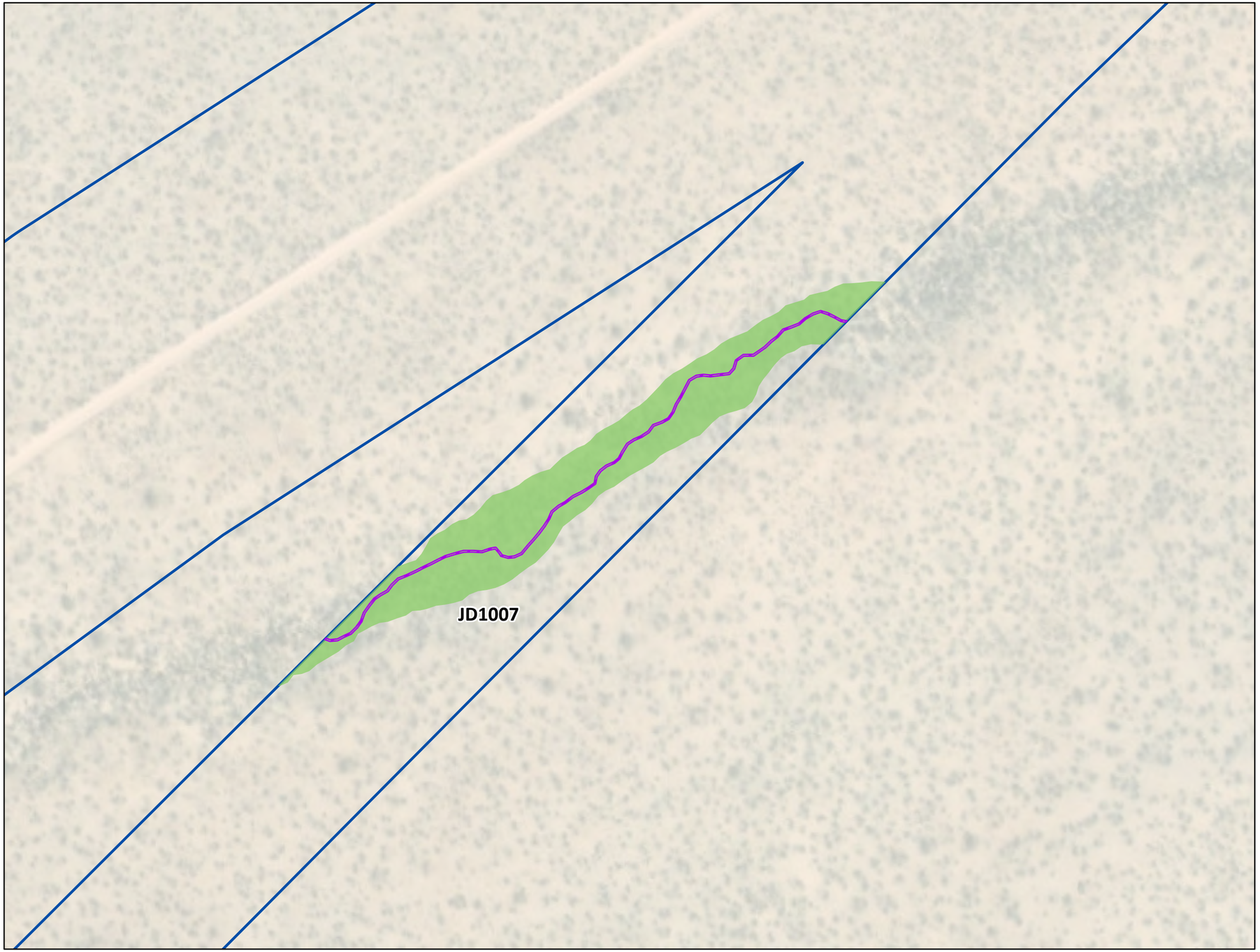

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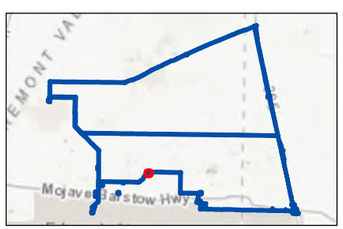

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2021/2022 Study Area

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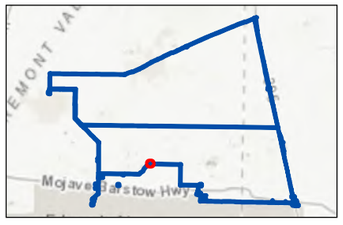
CDFW-jurisdictional Streambed

0 50 100 Feet



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2021/2022 Study Area

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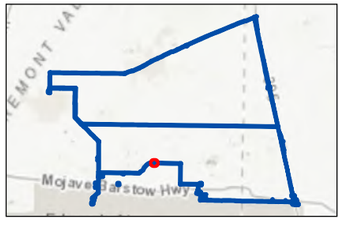
0 50 100 Feet



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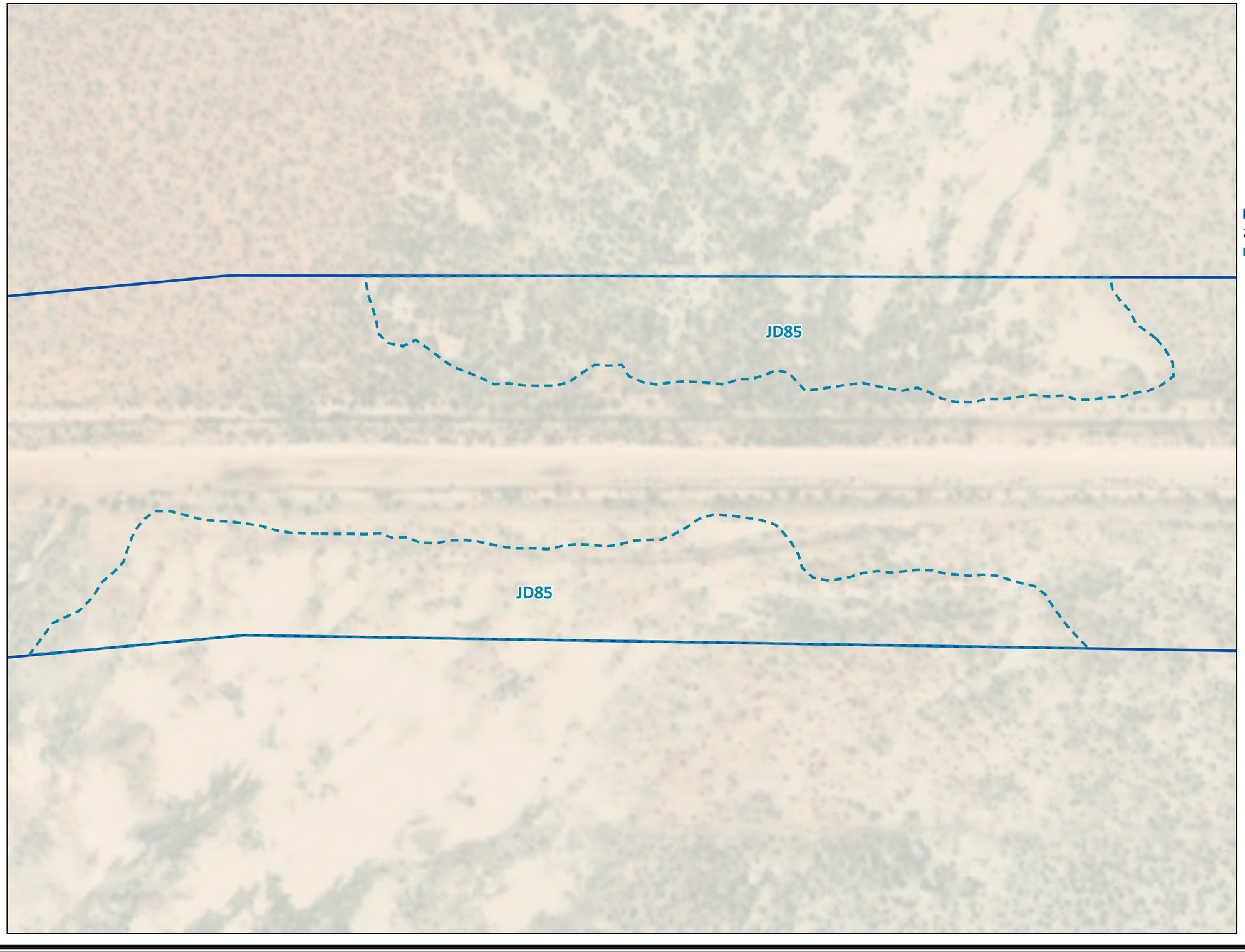

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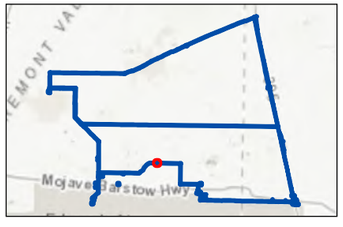

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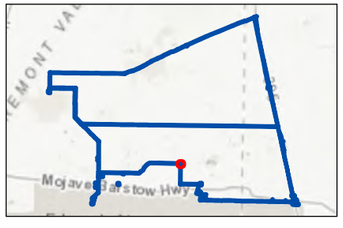

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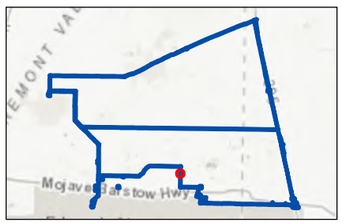

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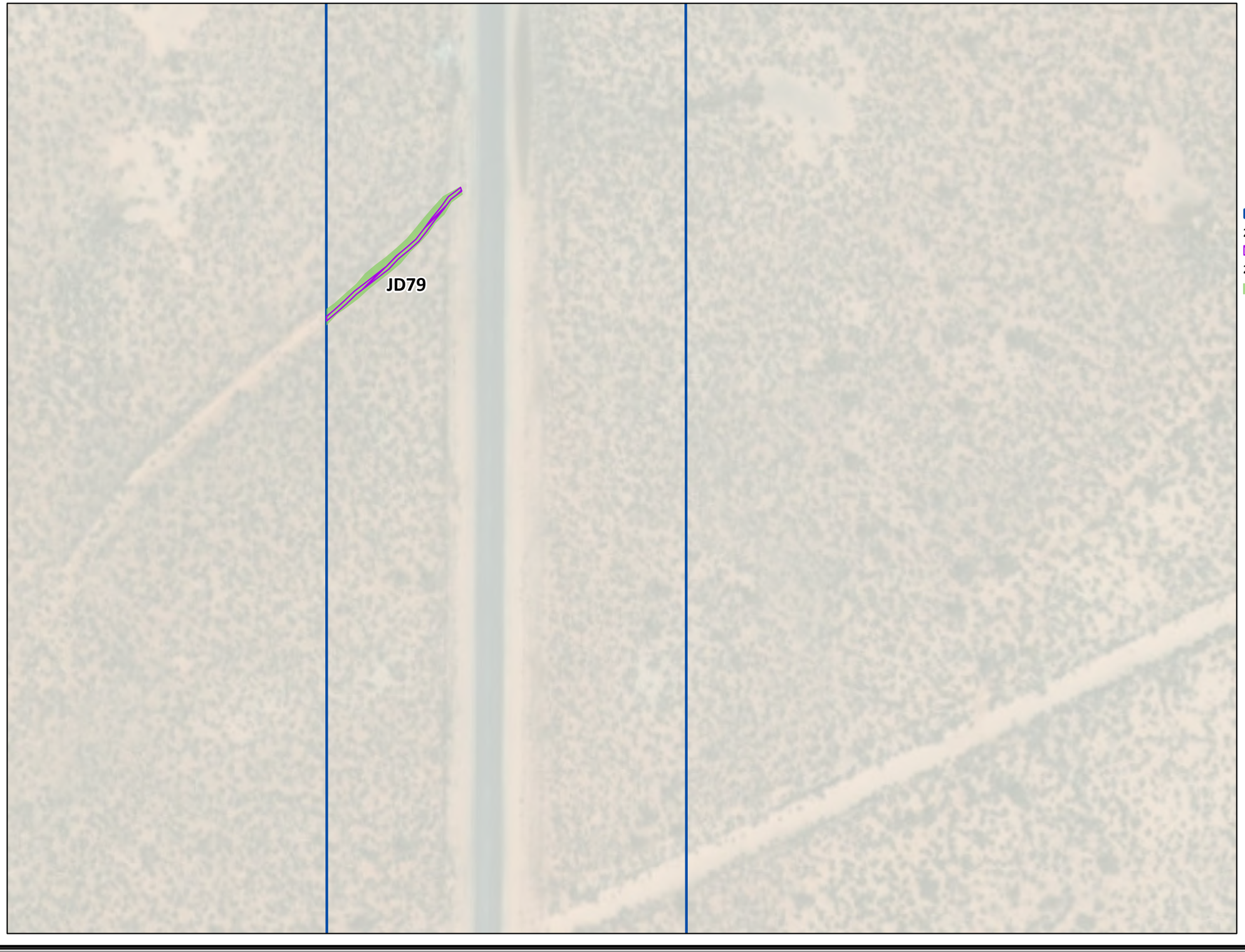

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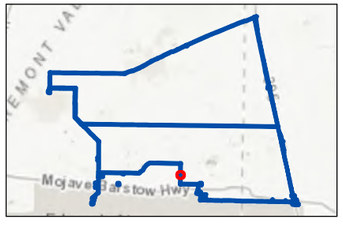

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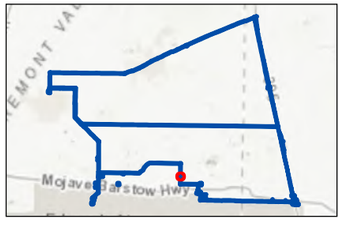

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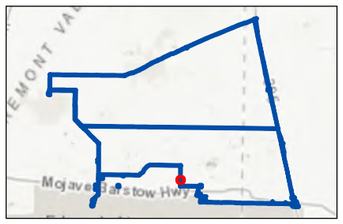

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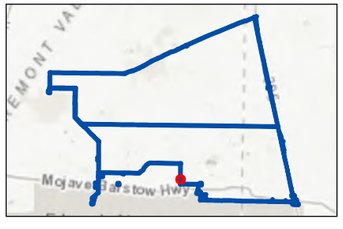

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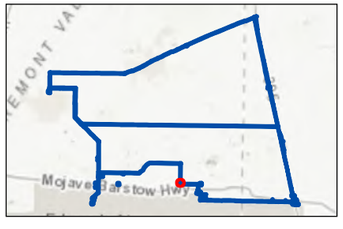

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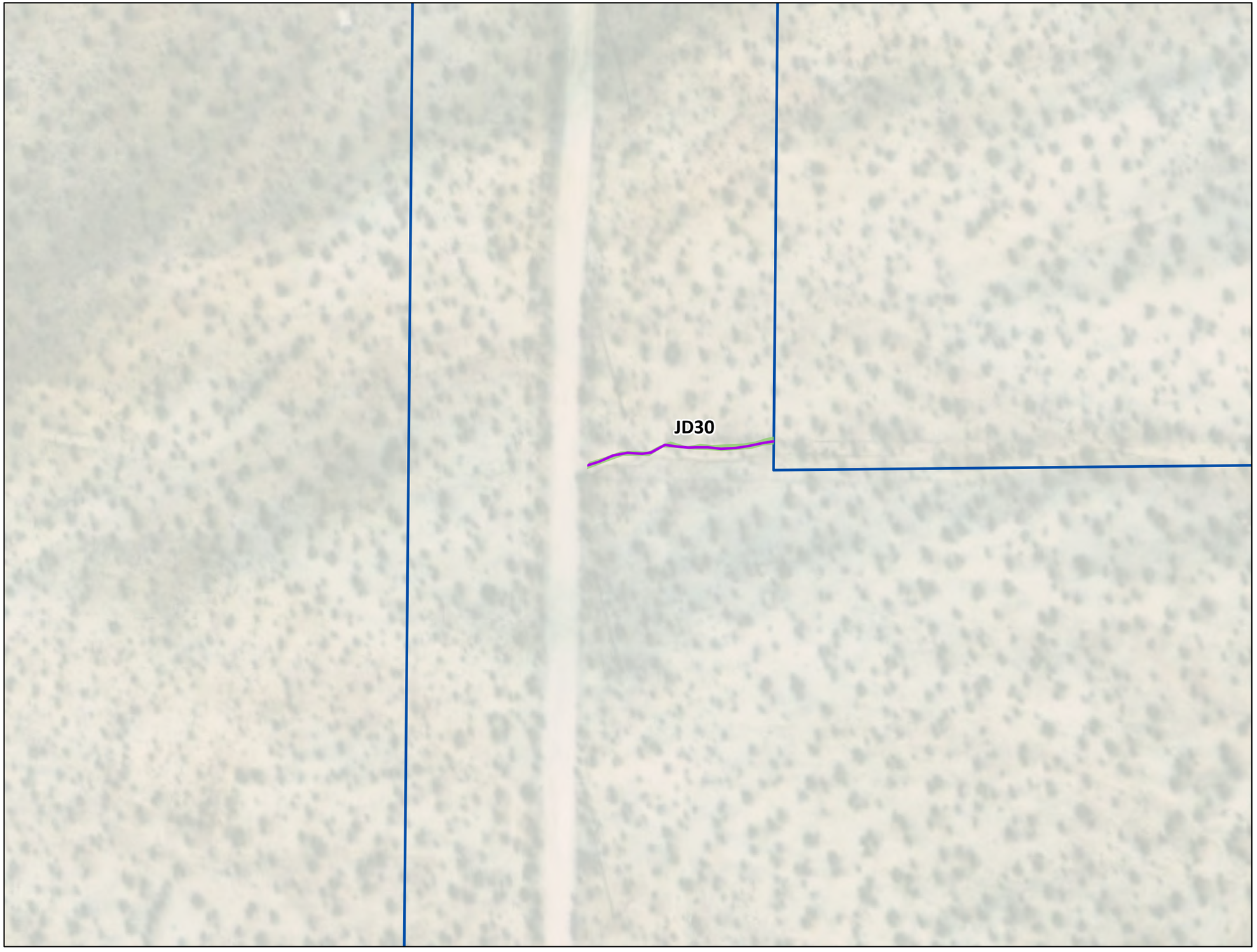

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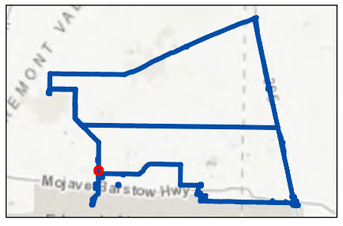

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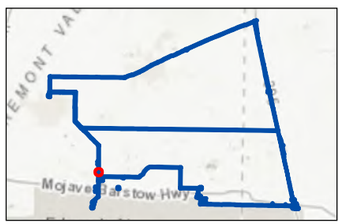

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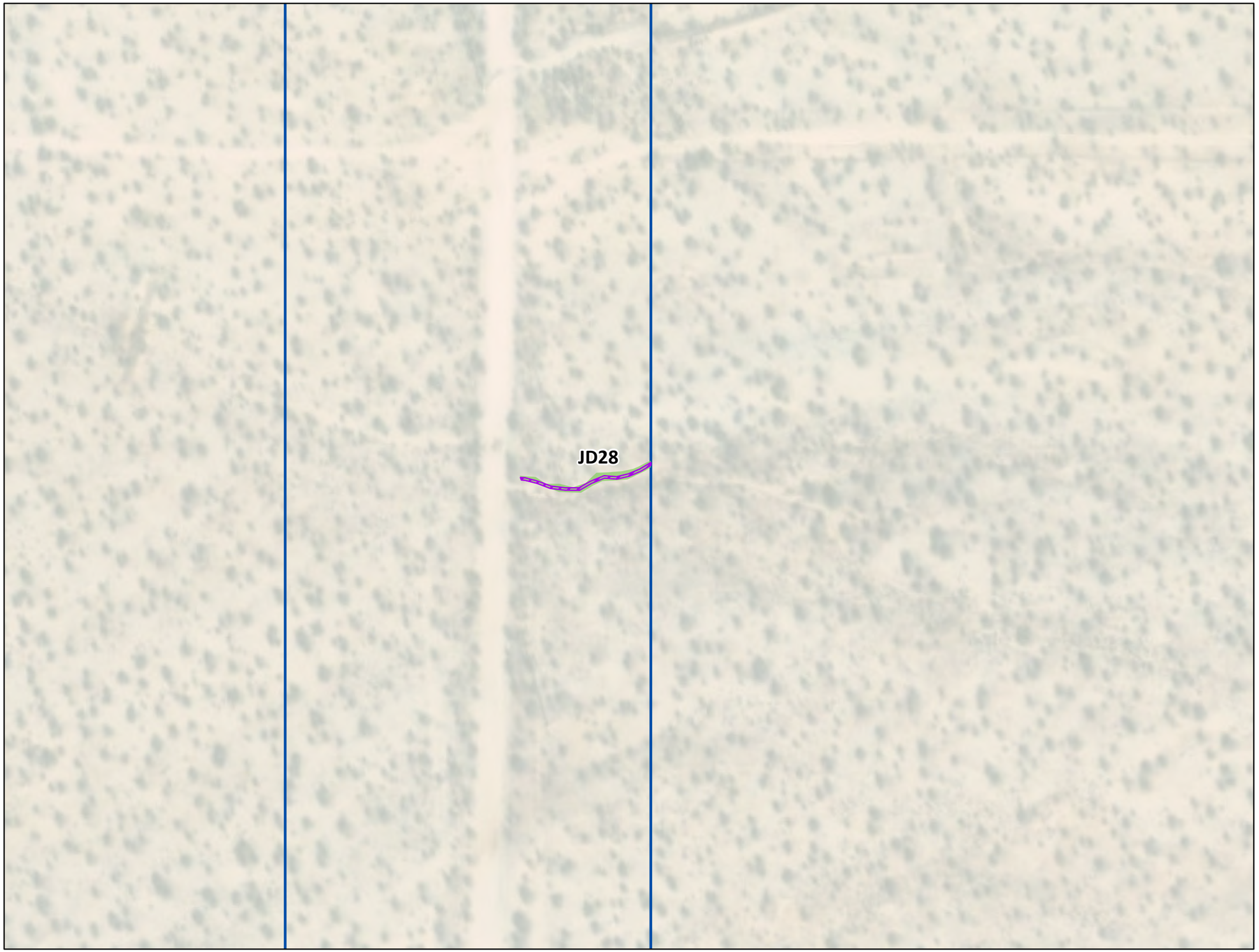

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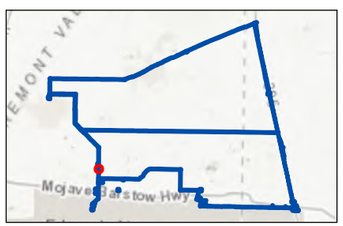

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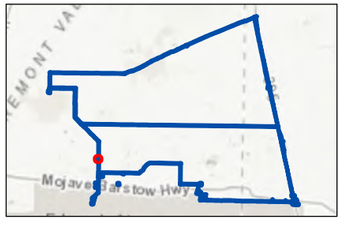

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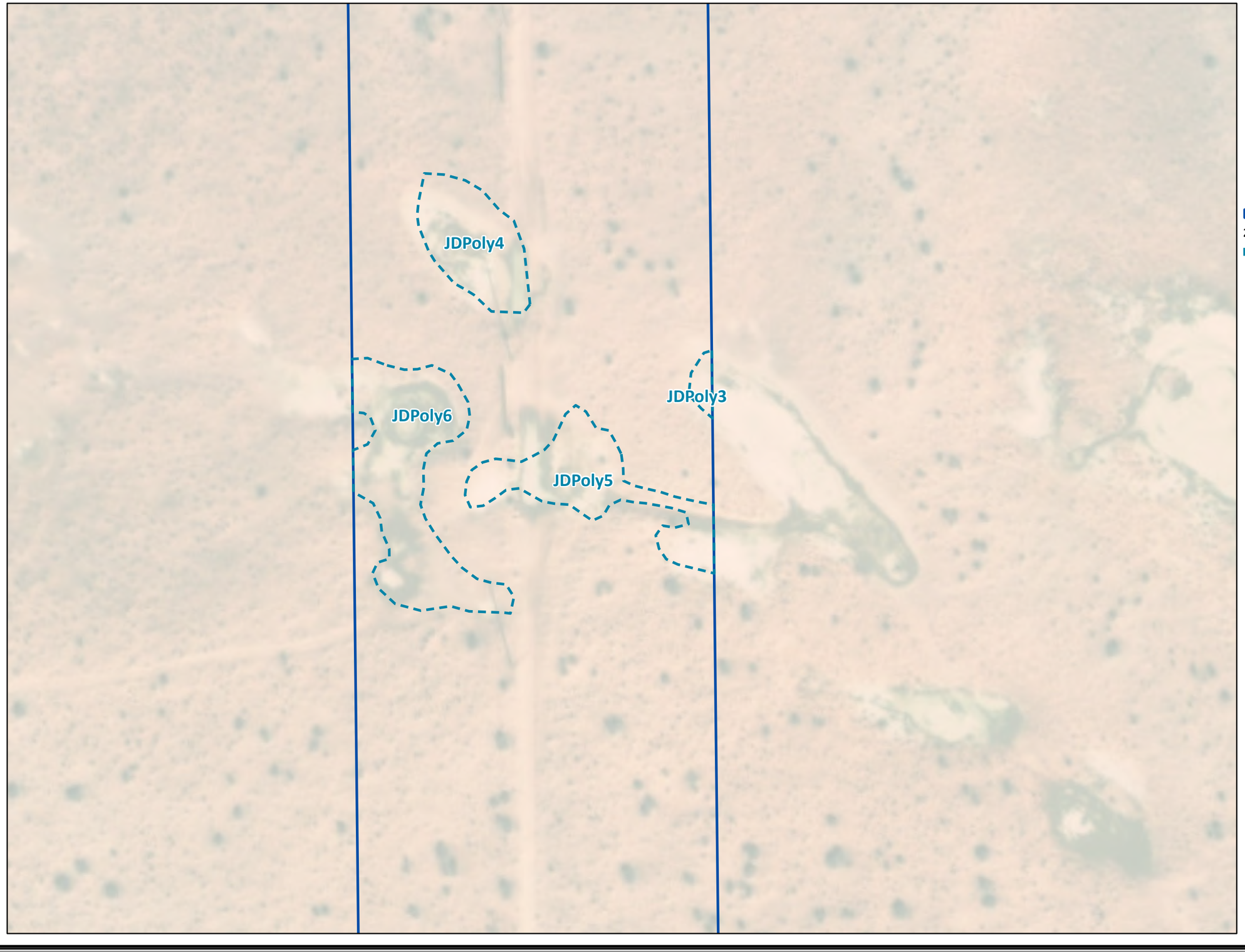

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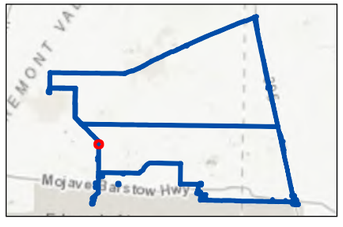

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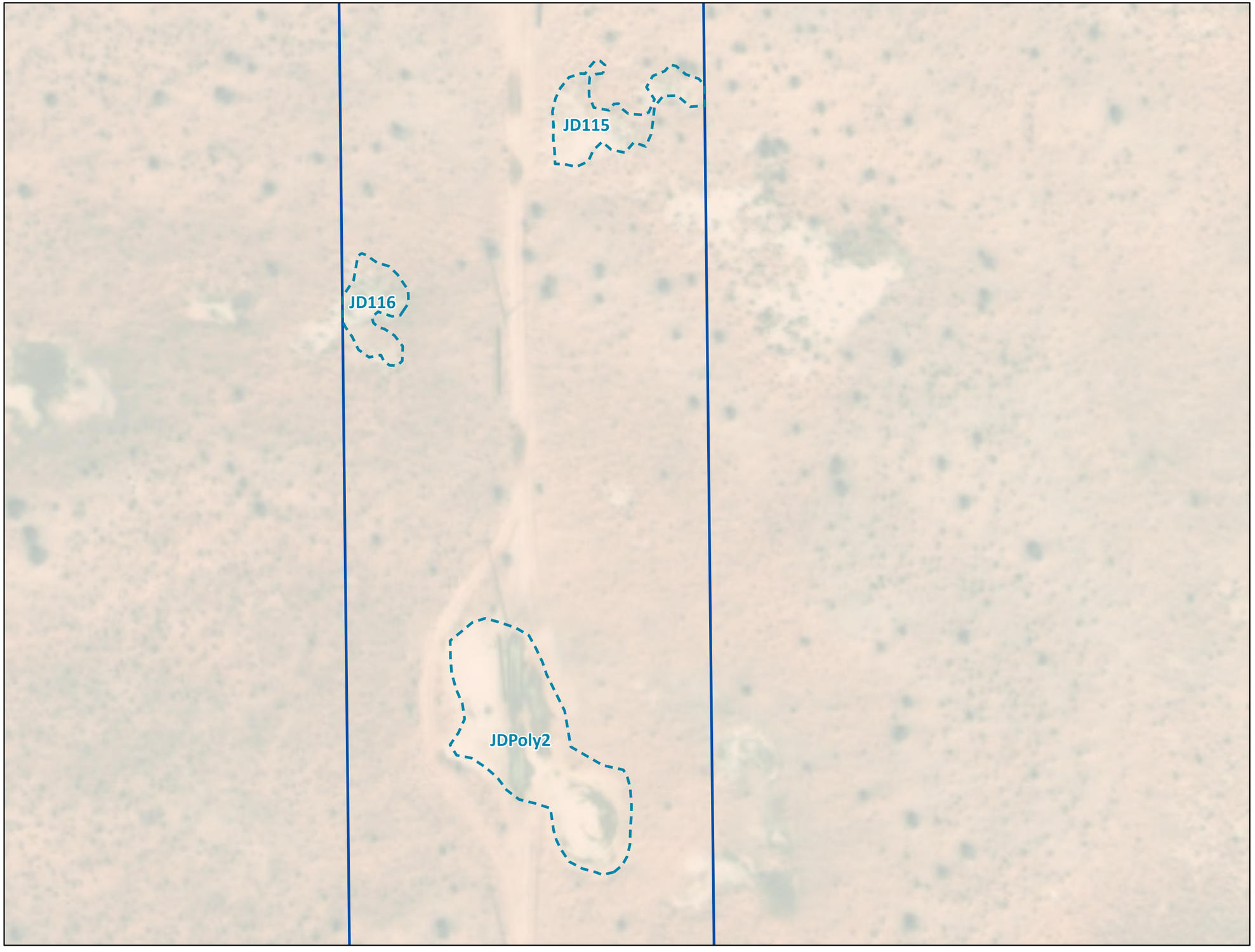

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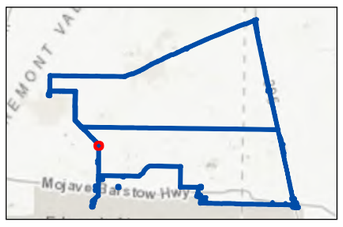

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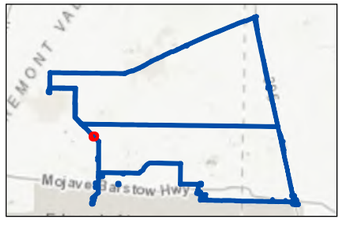

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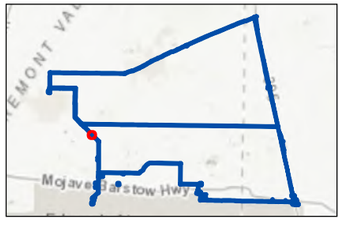

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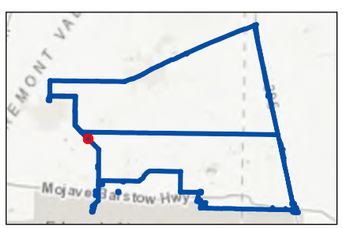

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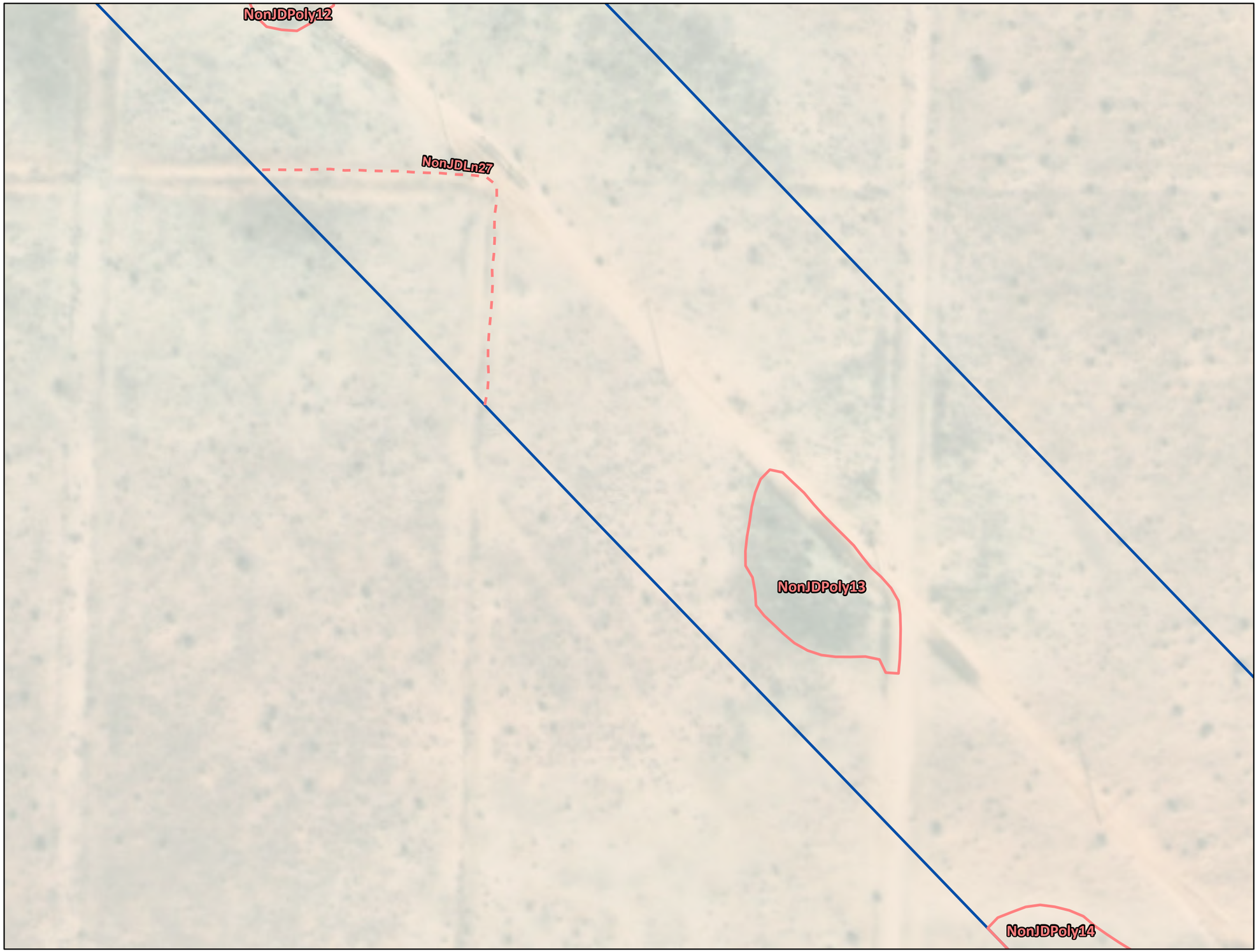
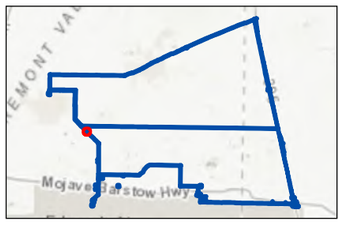


Cal City Substation 115 kV Upgrade Project

Appendix J
Aquatic Resources

- 2021/2022 Study Area
- 2021/2022 Survey Data Non-Jurisdictional Lines
- 2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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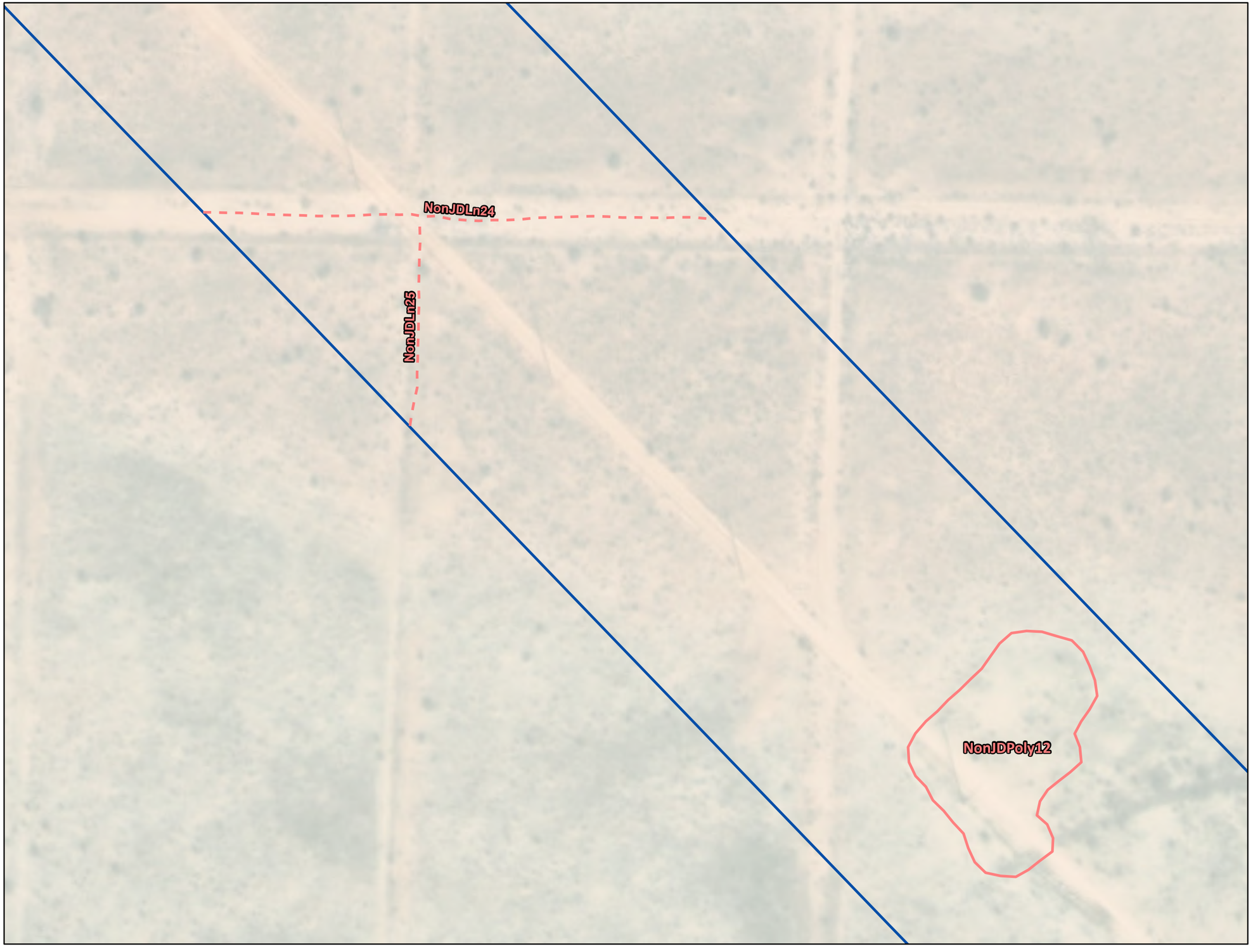

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Appendix J
Aquatic Resources

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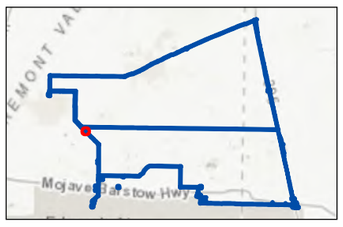
0 50 100 Feet



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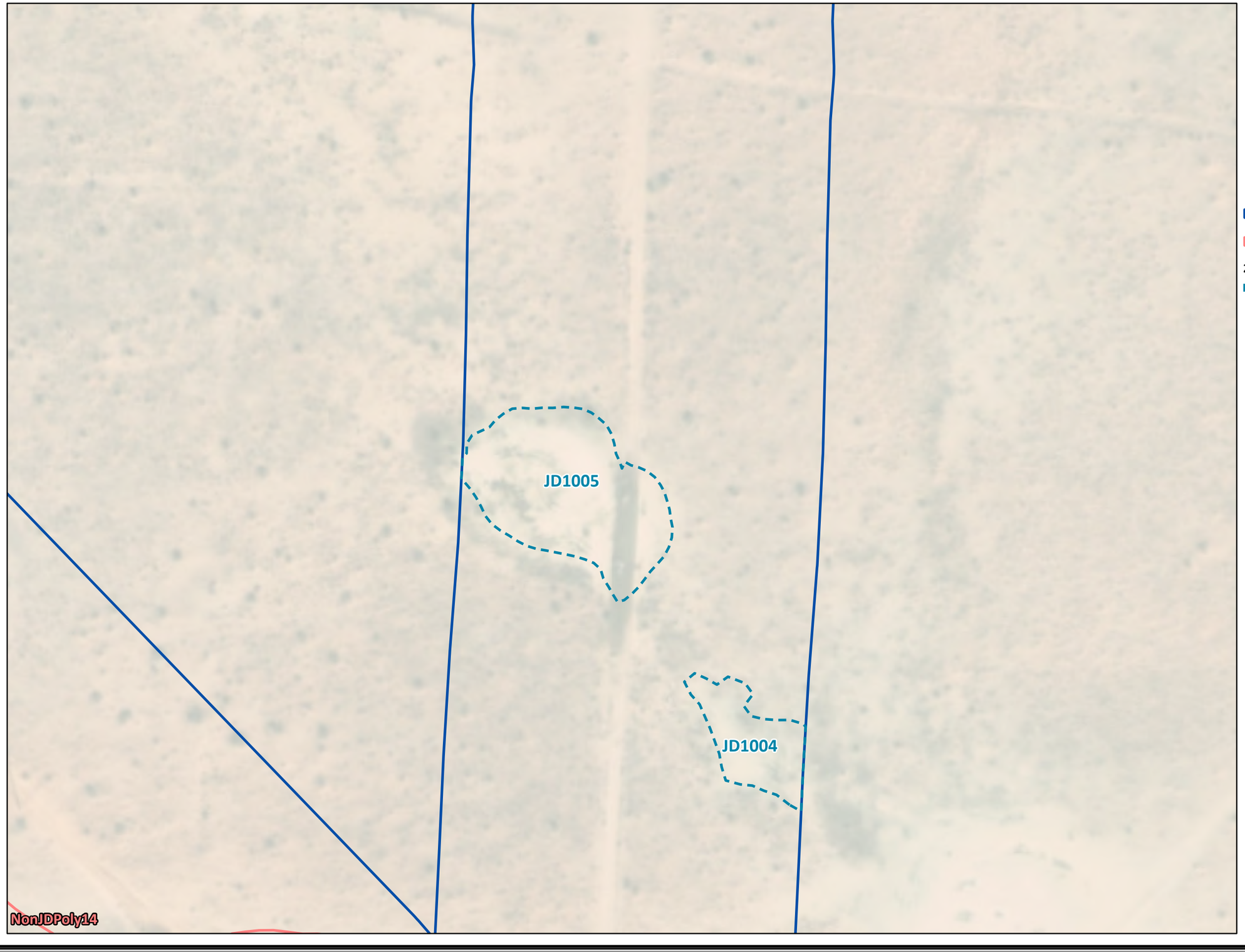

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Aquatic Resources

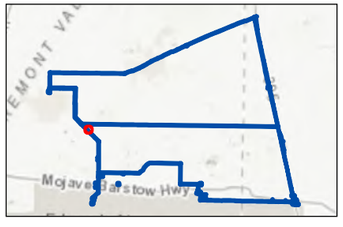
2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Feature

2021/2022 Survey Data Possibly Jurisdictional

Possibly Jurisdictional Feature (Playa)

0 50 100 Feet



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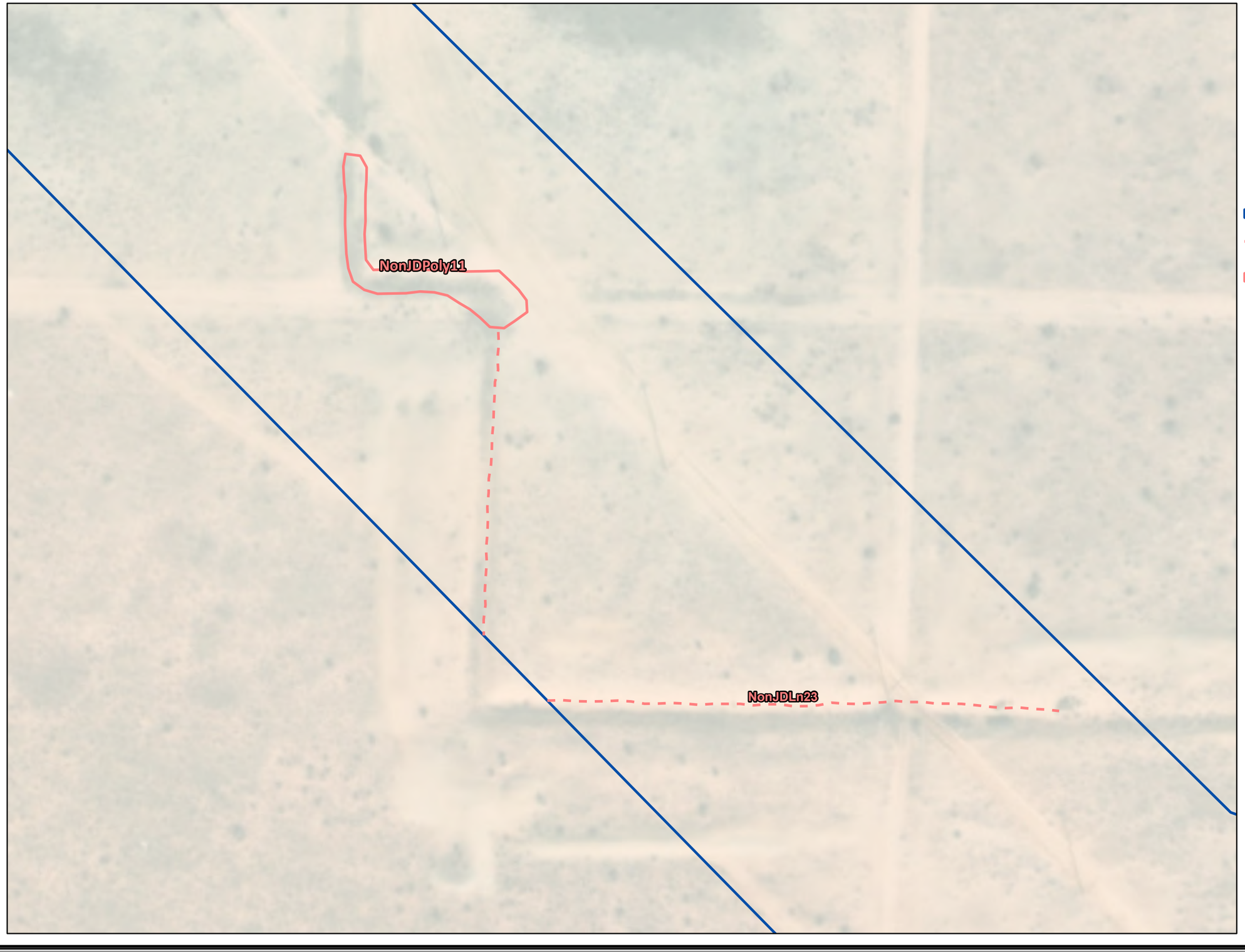
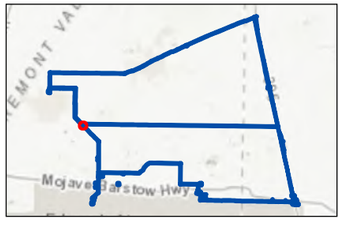


2021/2022 Study Area
2021/2022 Survey Data Non-Jurisdictional Lines
2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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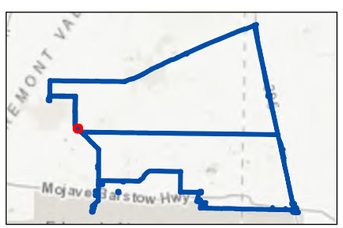
2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Lines

0 50 100 Feet



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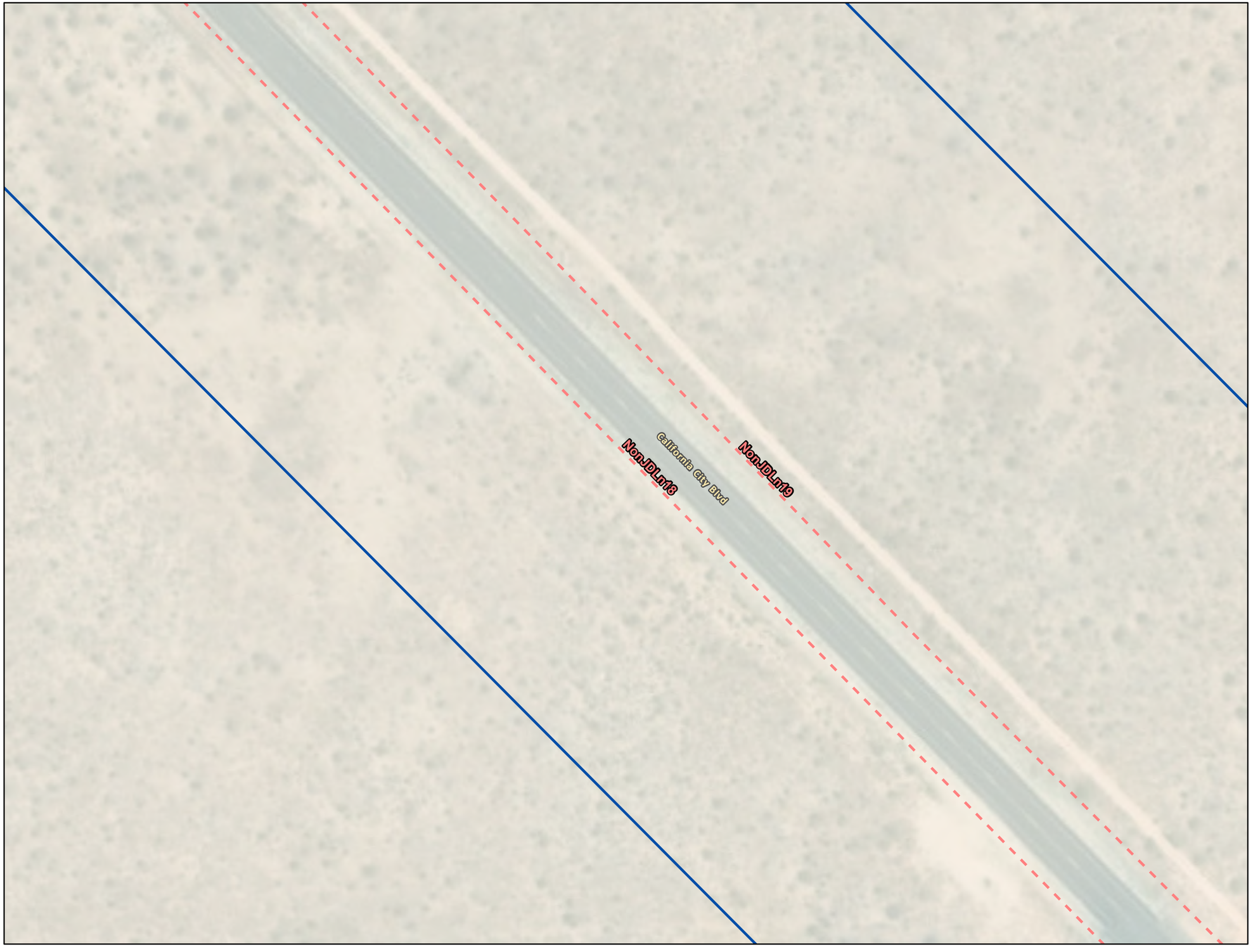

2021/2022 Study Area

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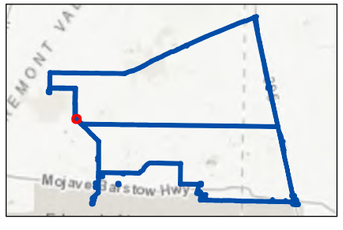
0 50 100 Feet



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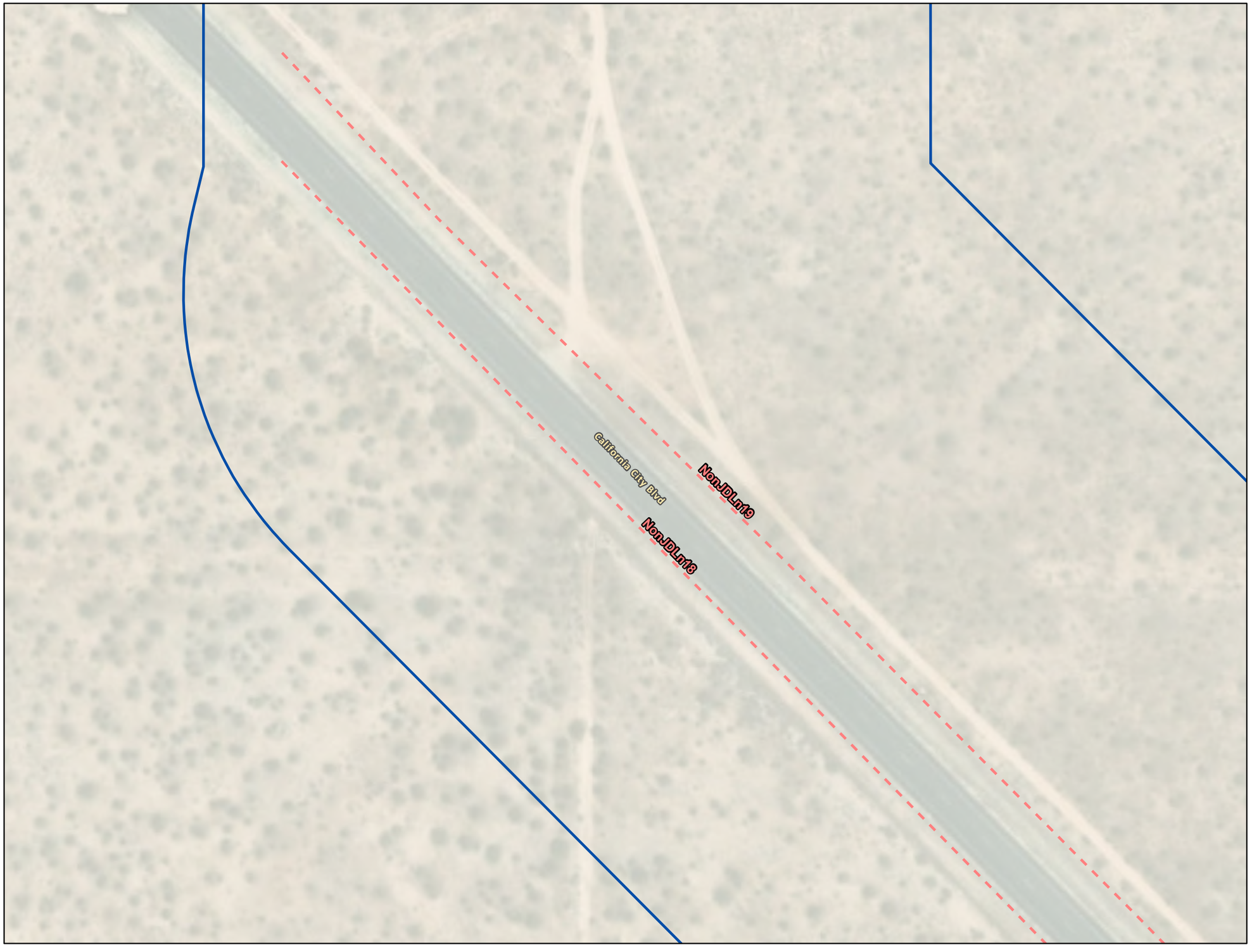

2021/2022 Study Area

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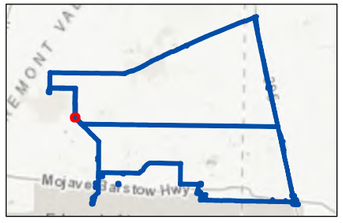
0 50 100 Feet



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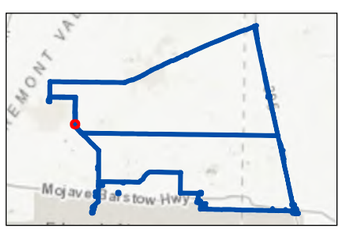
2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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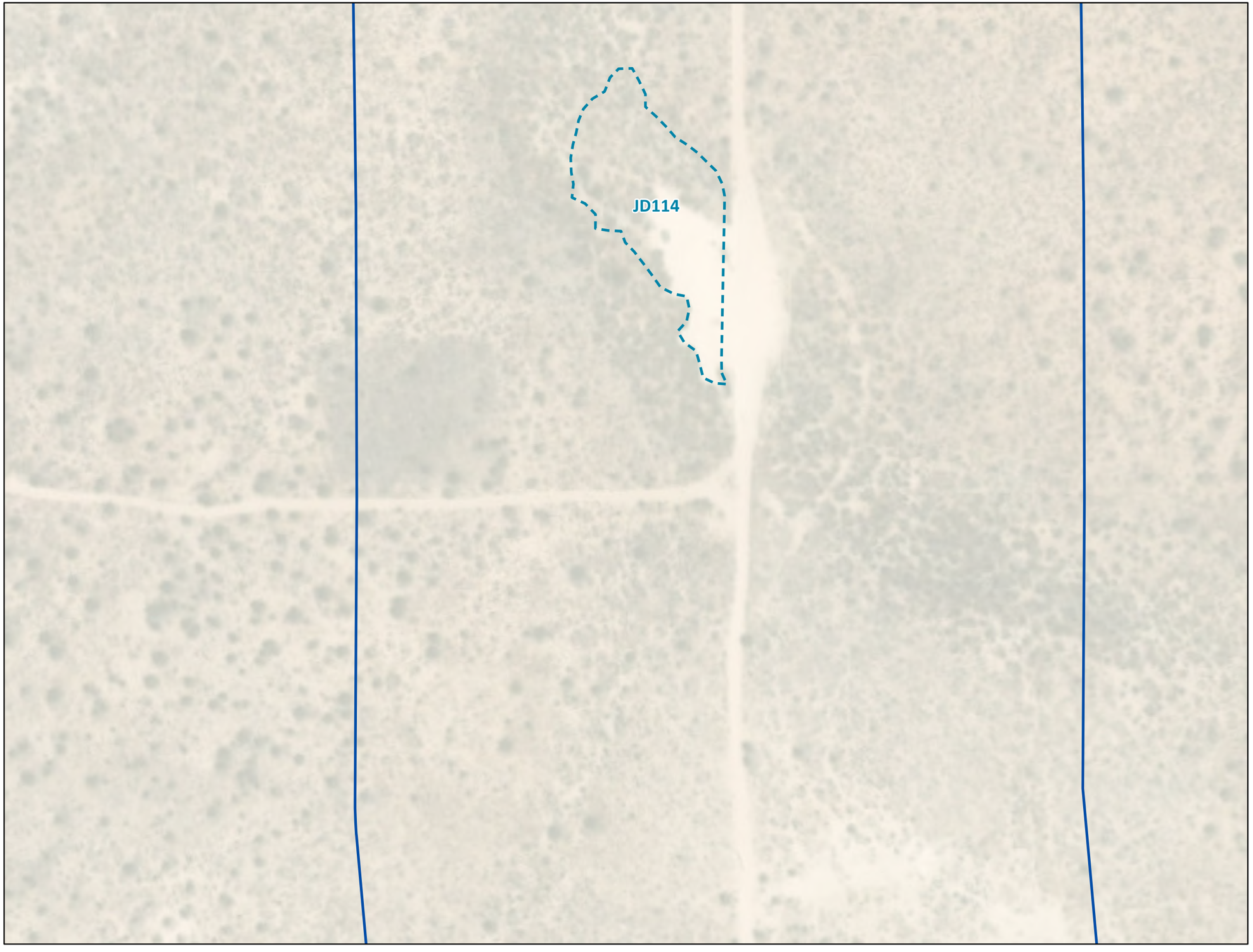
Aquatic Resources



2021/2022 Study Area

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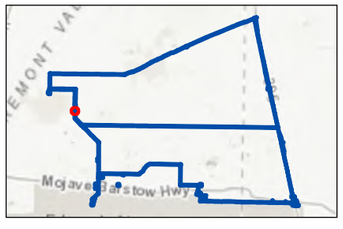
Possibly Jurisdictional Feature (Playa)

0 50 100 Feet



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Aquatic Resources

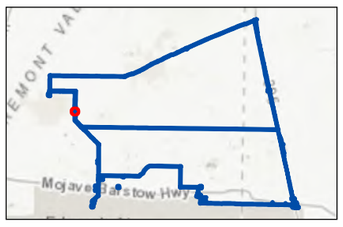
NonJDPoly9

NonJDPoly8

2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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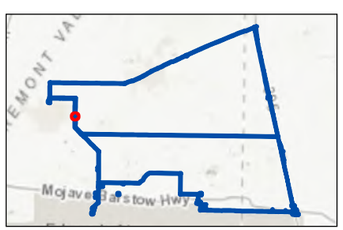
2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Lines

0 50 100 Feet



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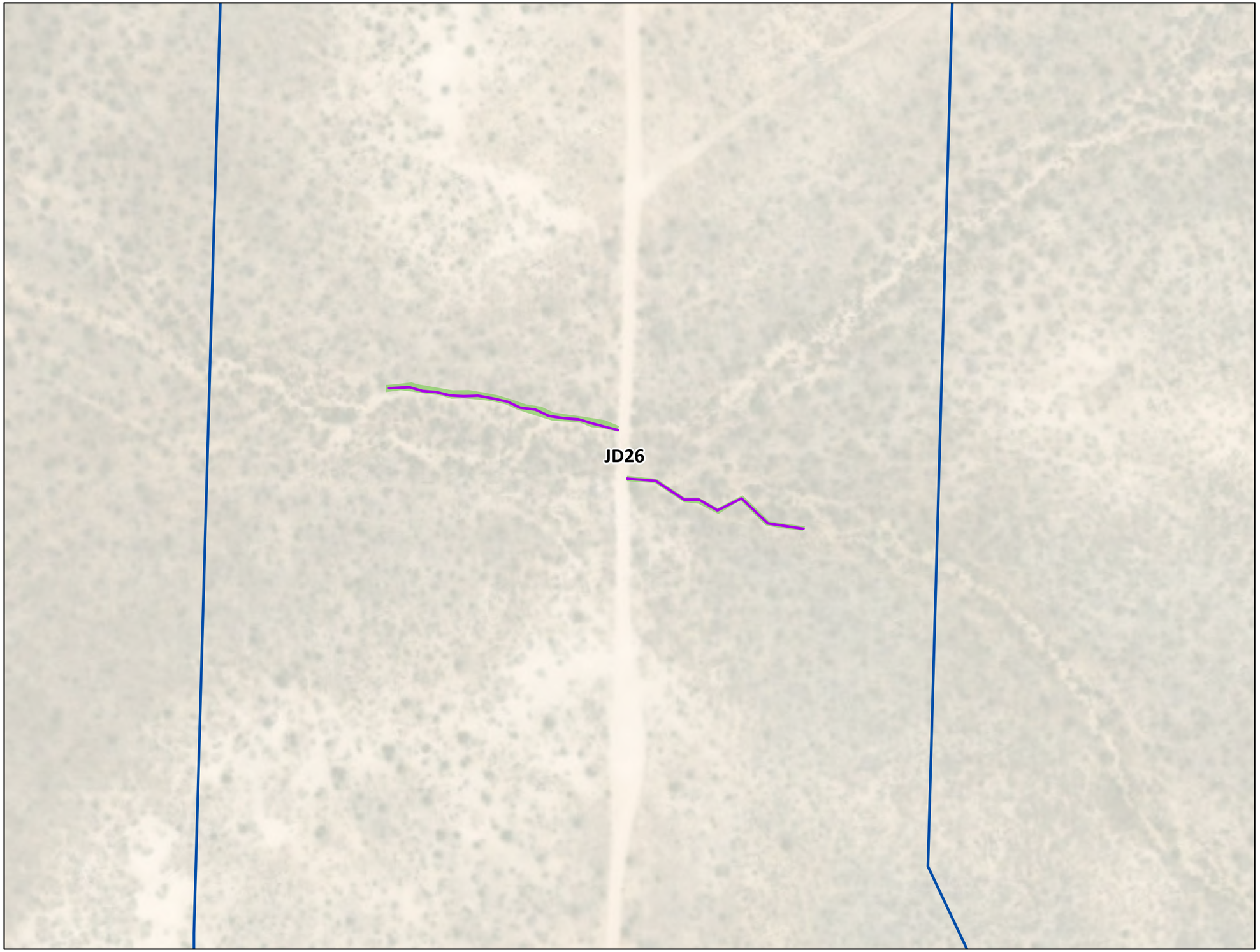
Aquatic Resources



2021/2022 Study Area

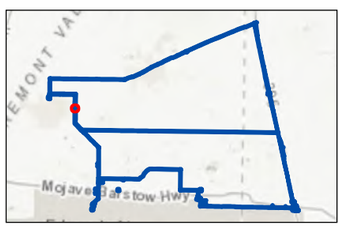
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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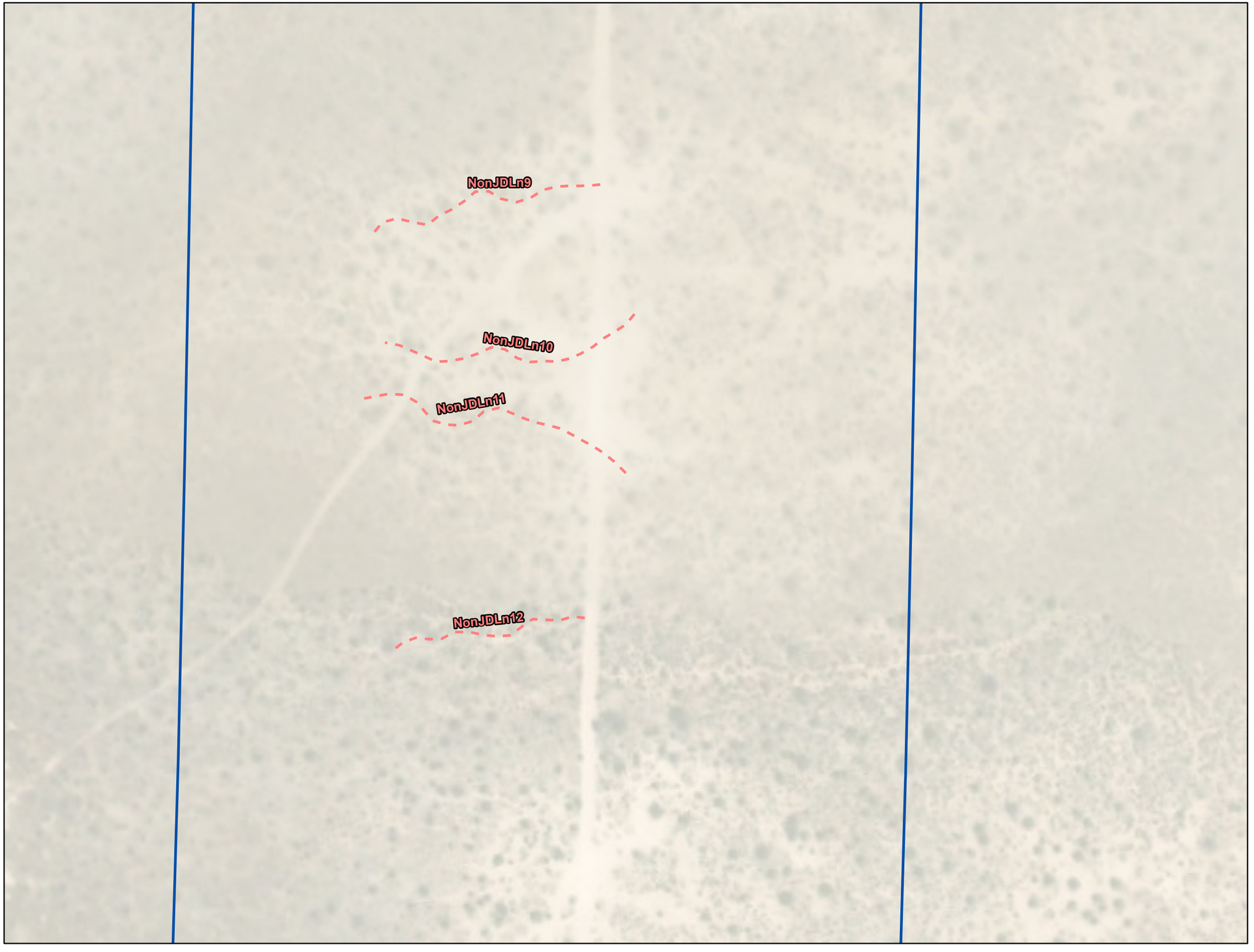

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Aquatic Resources

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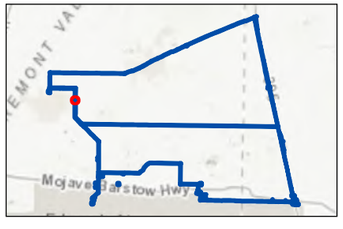

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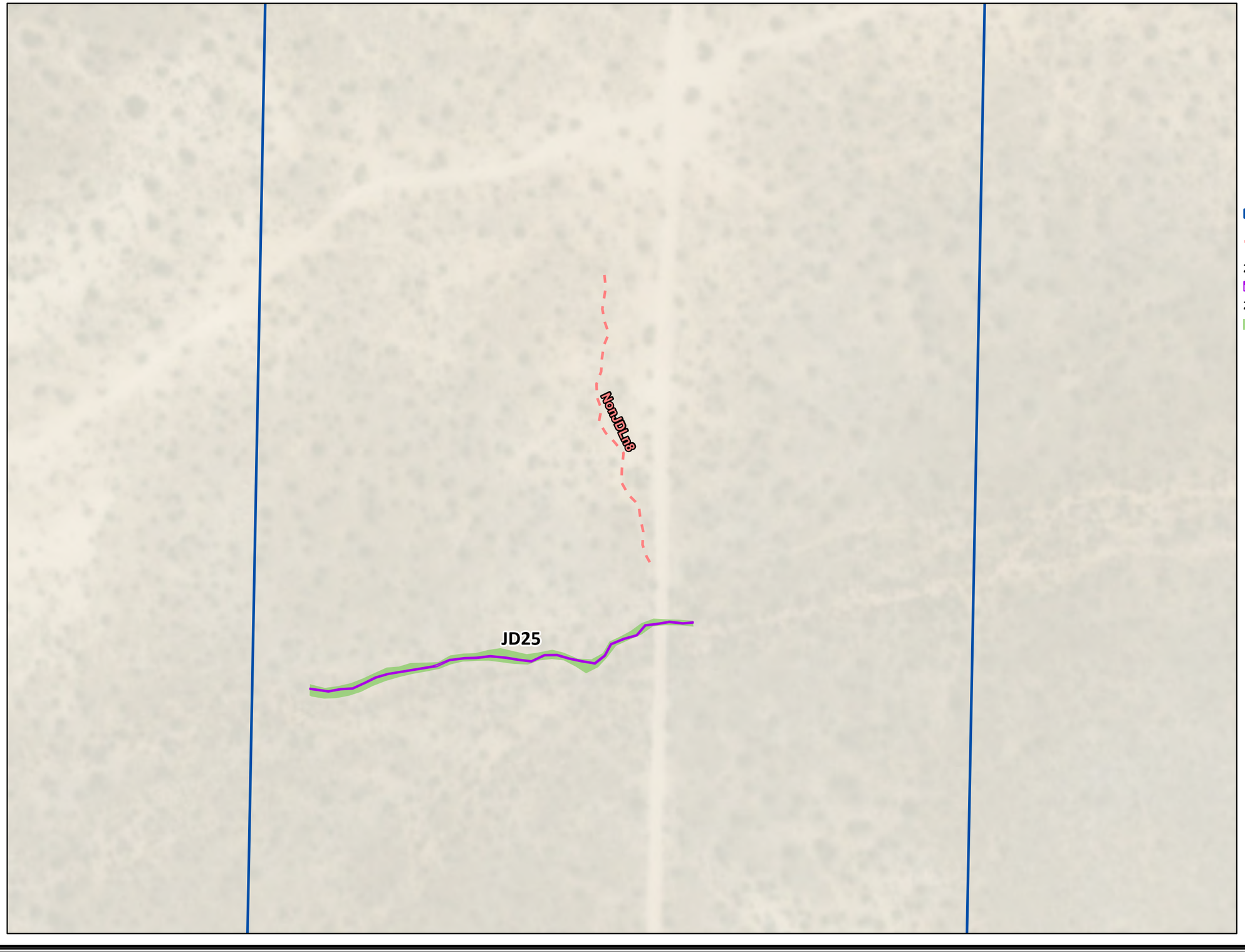
Aquatic Resources



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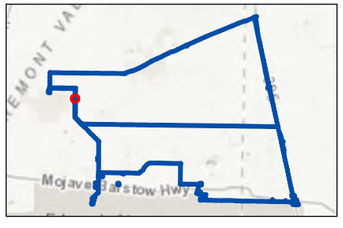

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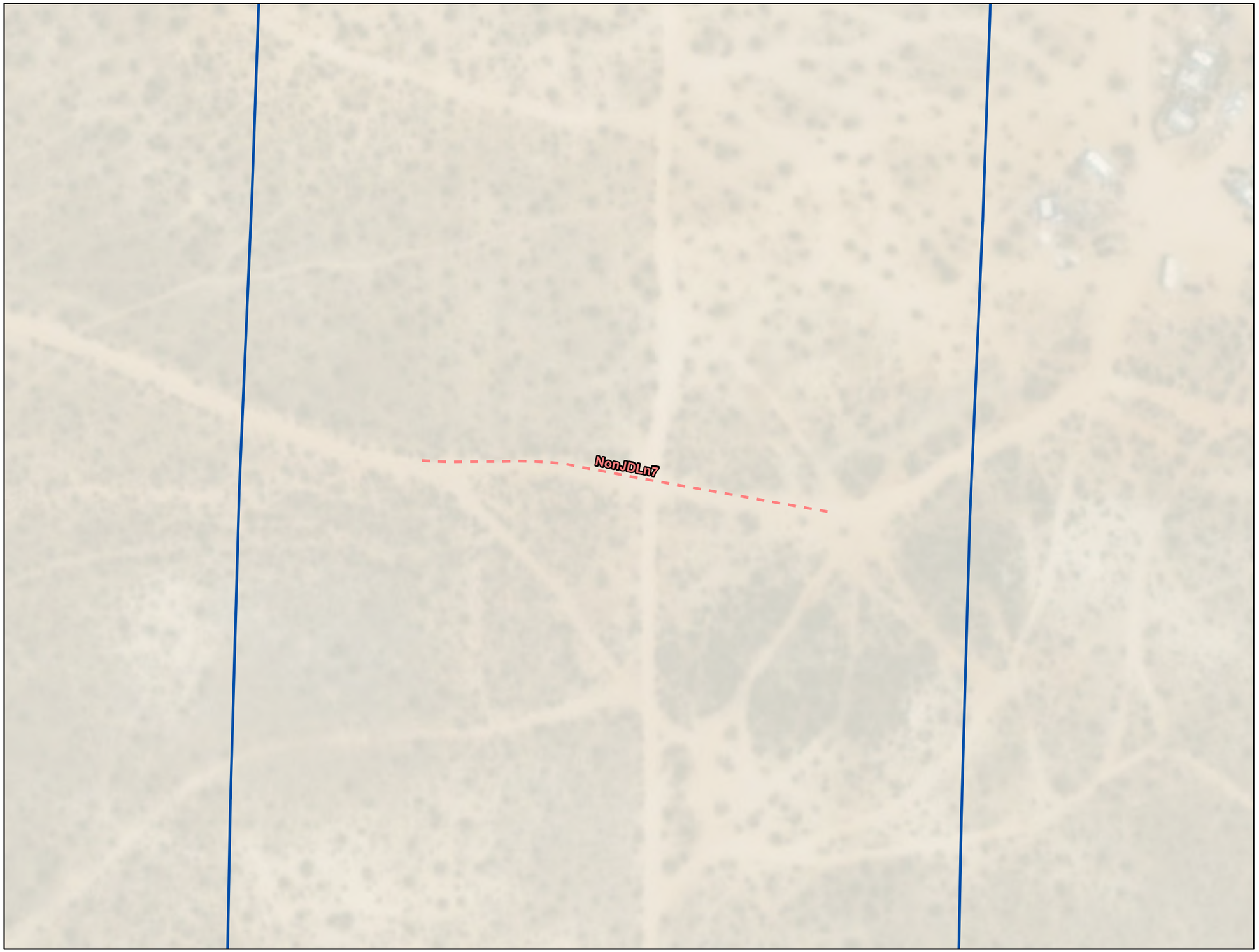

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Aquatic Resources

2021/2022 Study Area

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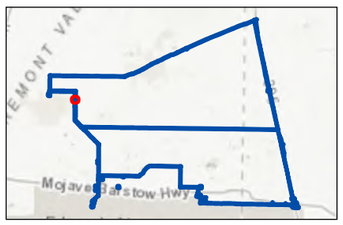

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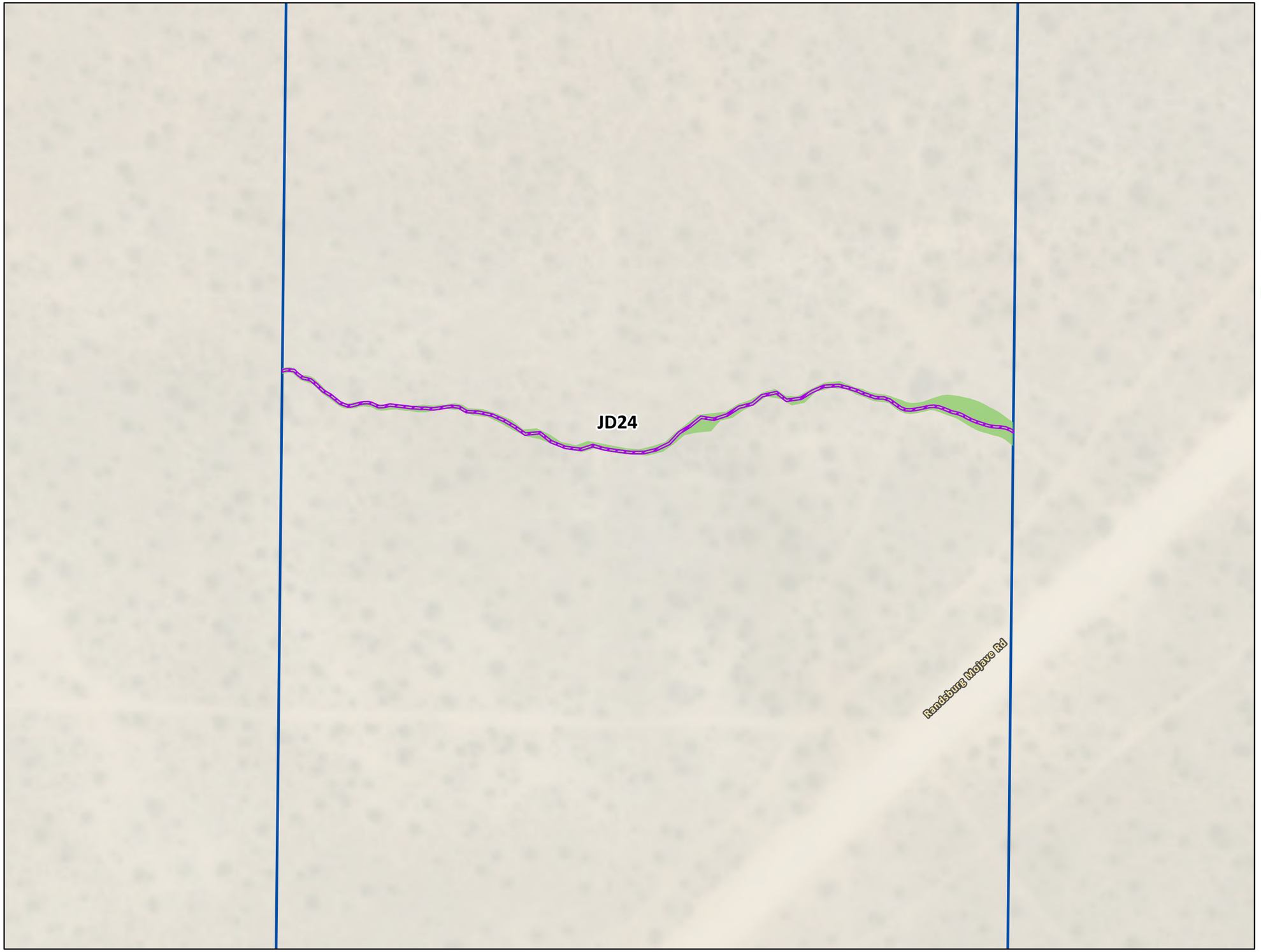
Aquatic Resources



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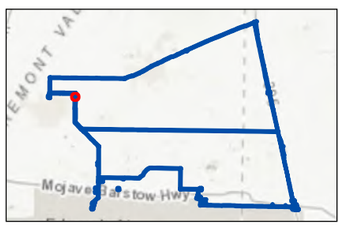

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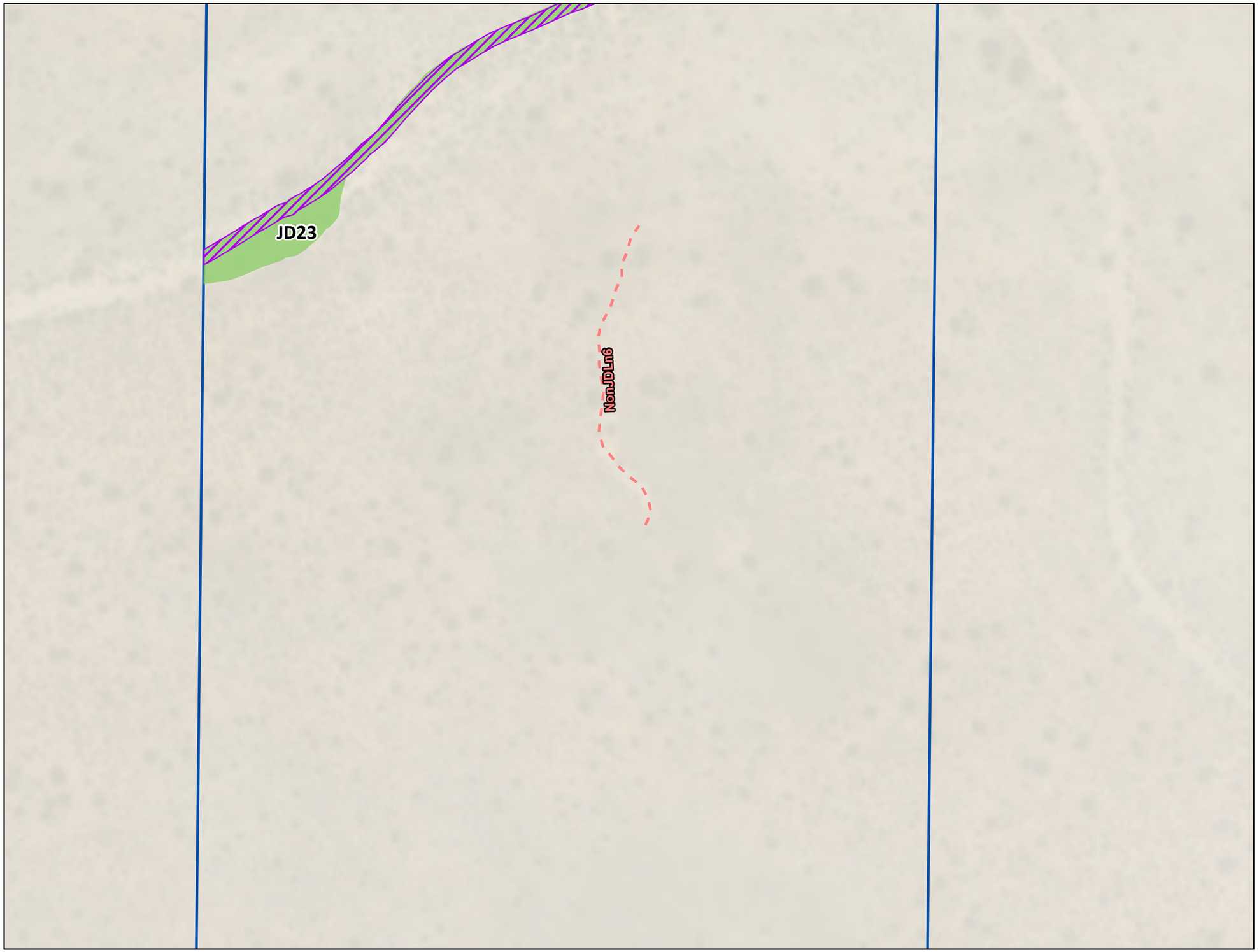

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2021/2022 Study Area

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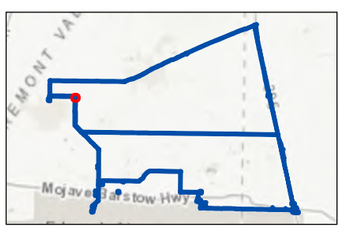

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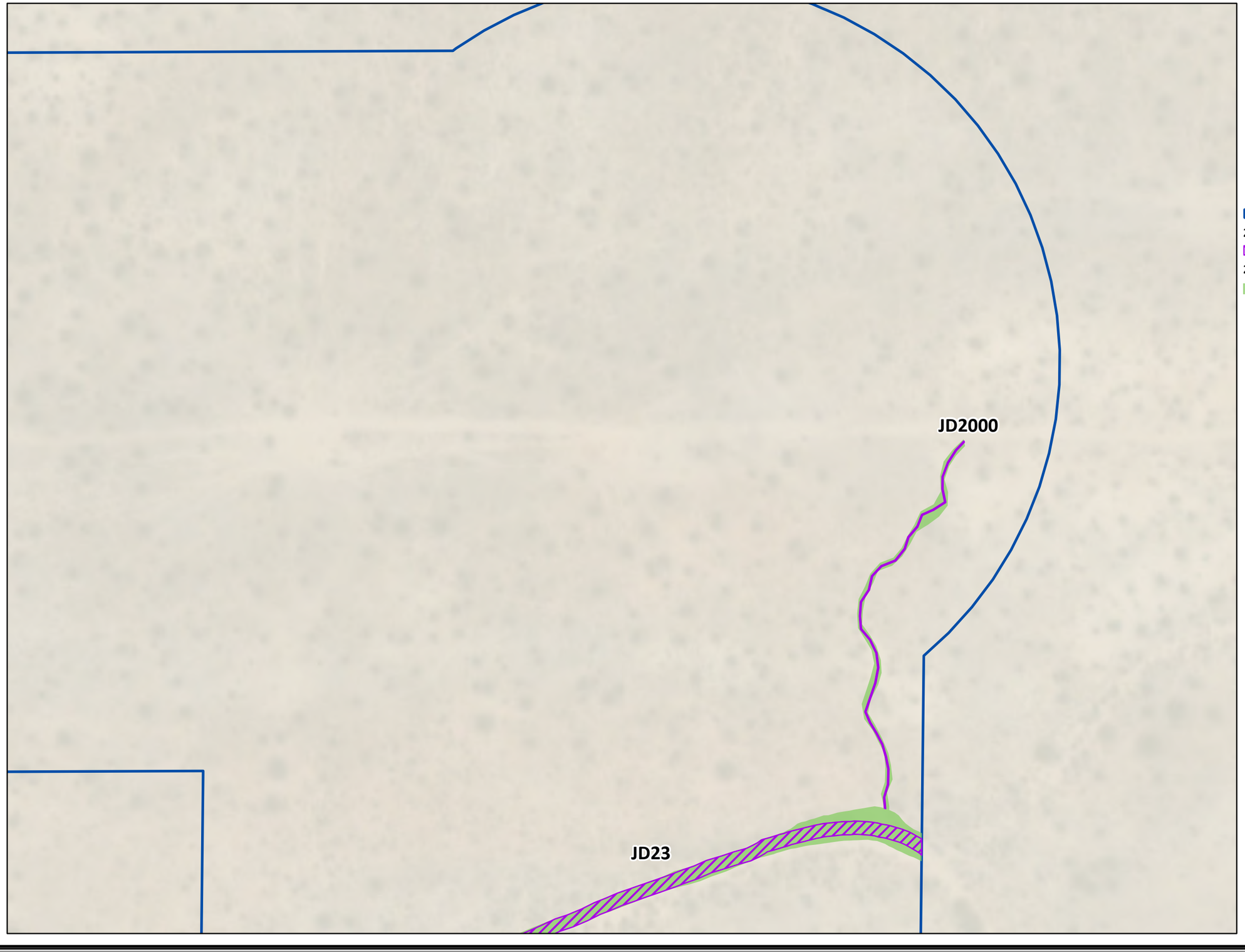
Aquatic Resources



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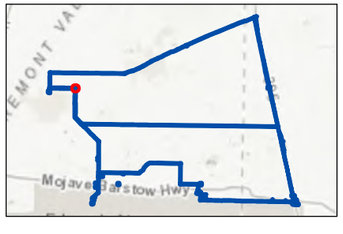

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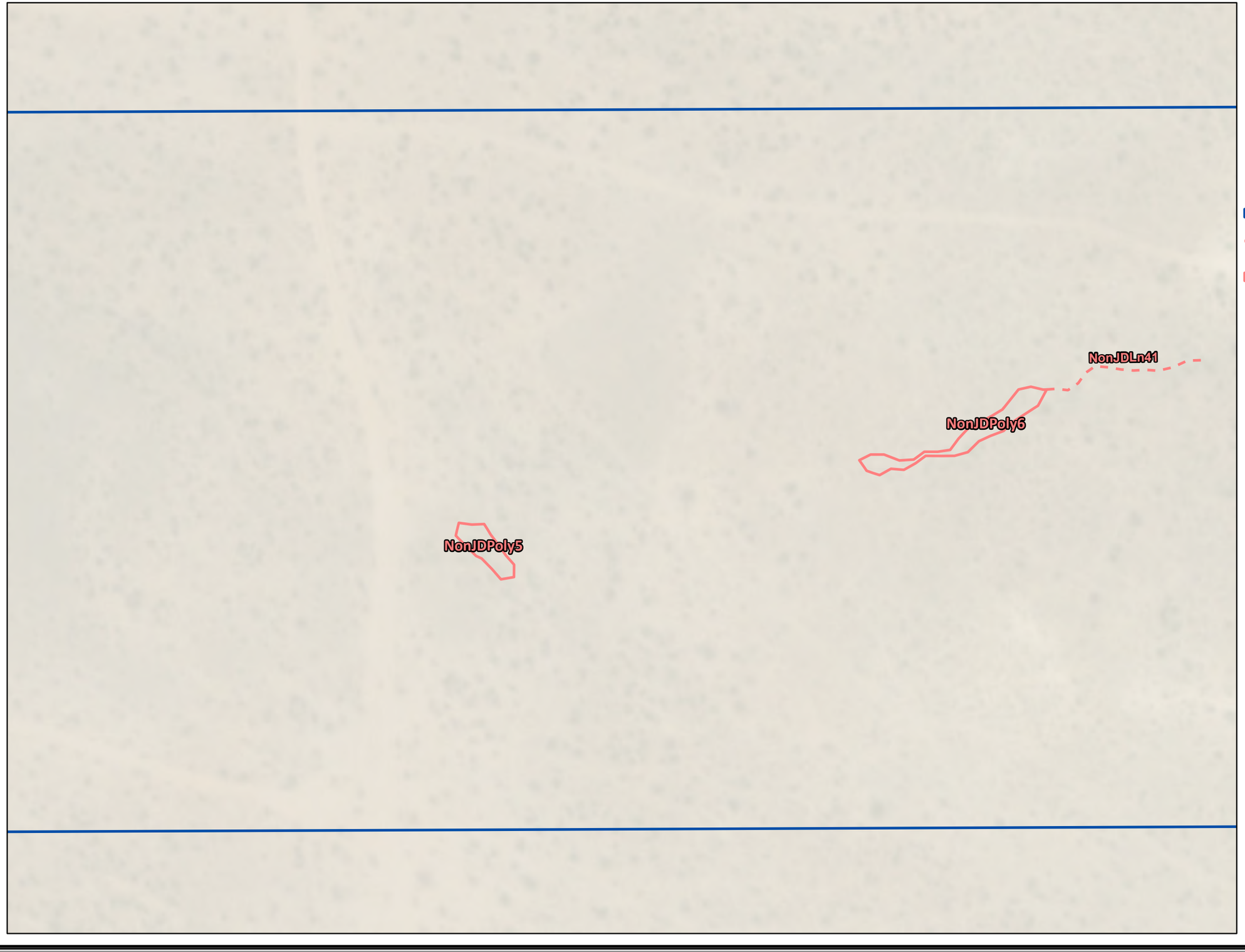
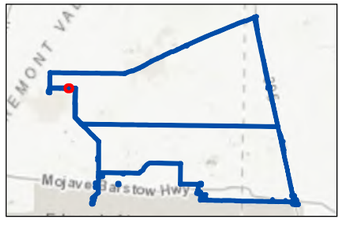


- 2021/2022 Study Area
- 2021/2022 Survey Data Non-Jurisdictional Lines
- 2021/2022 Survey Data Non-Jurisdictional Feature

0 50 100 Feet



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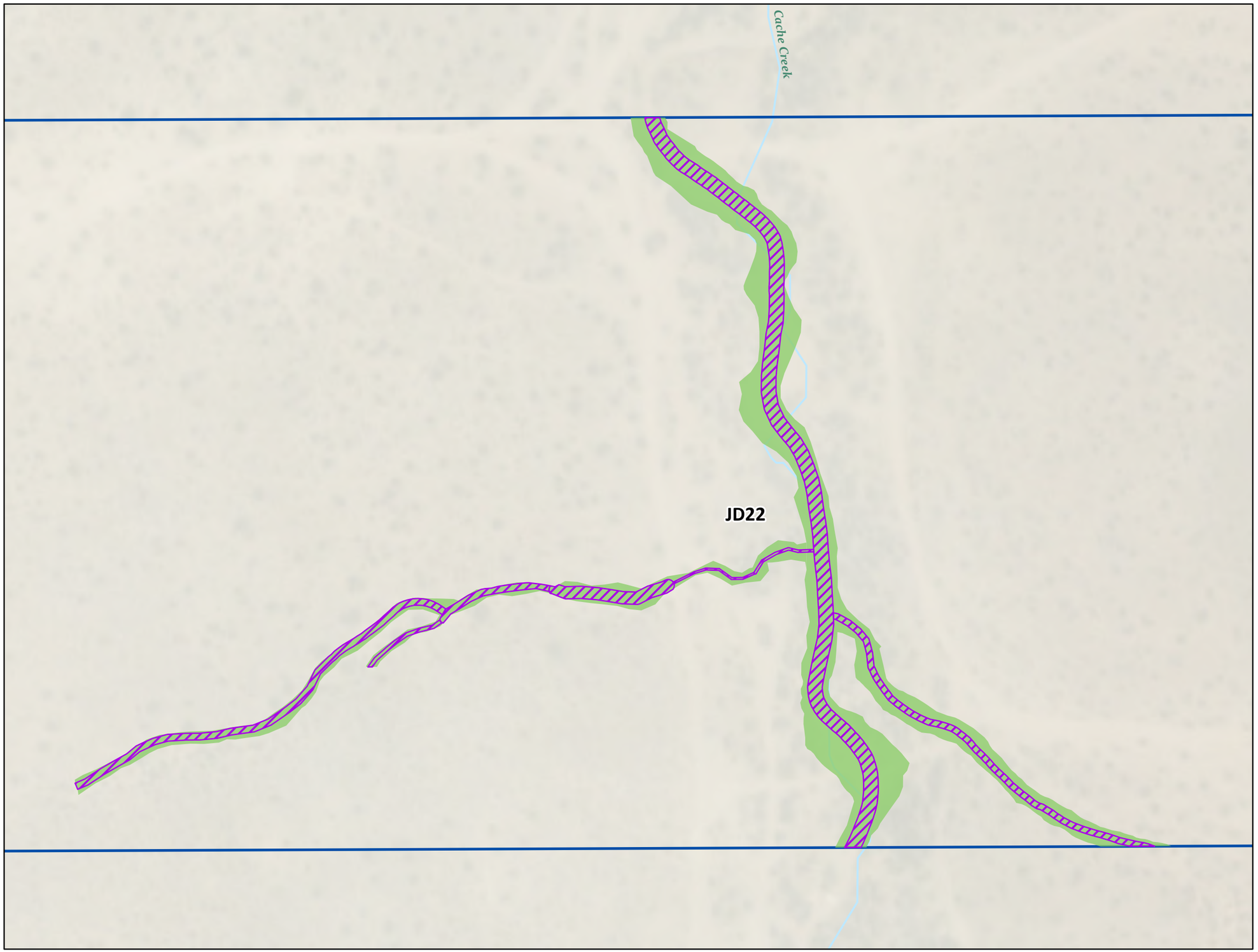

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Non-wetland Waters of the State

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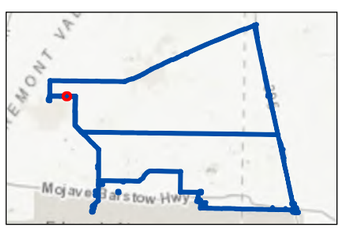
CDFW-jurisdictional Streambed

0 50 100 Feet



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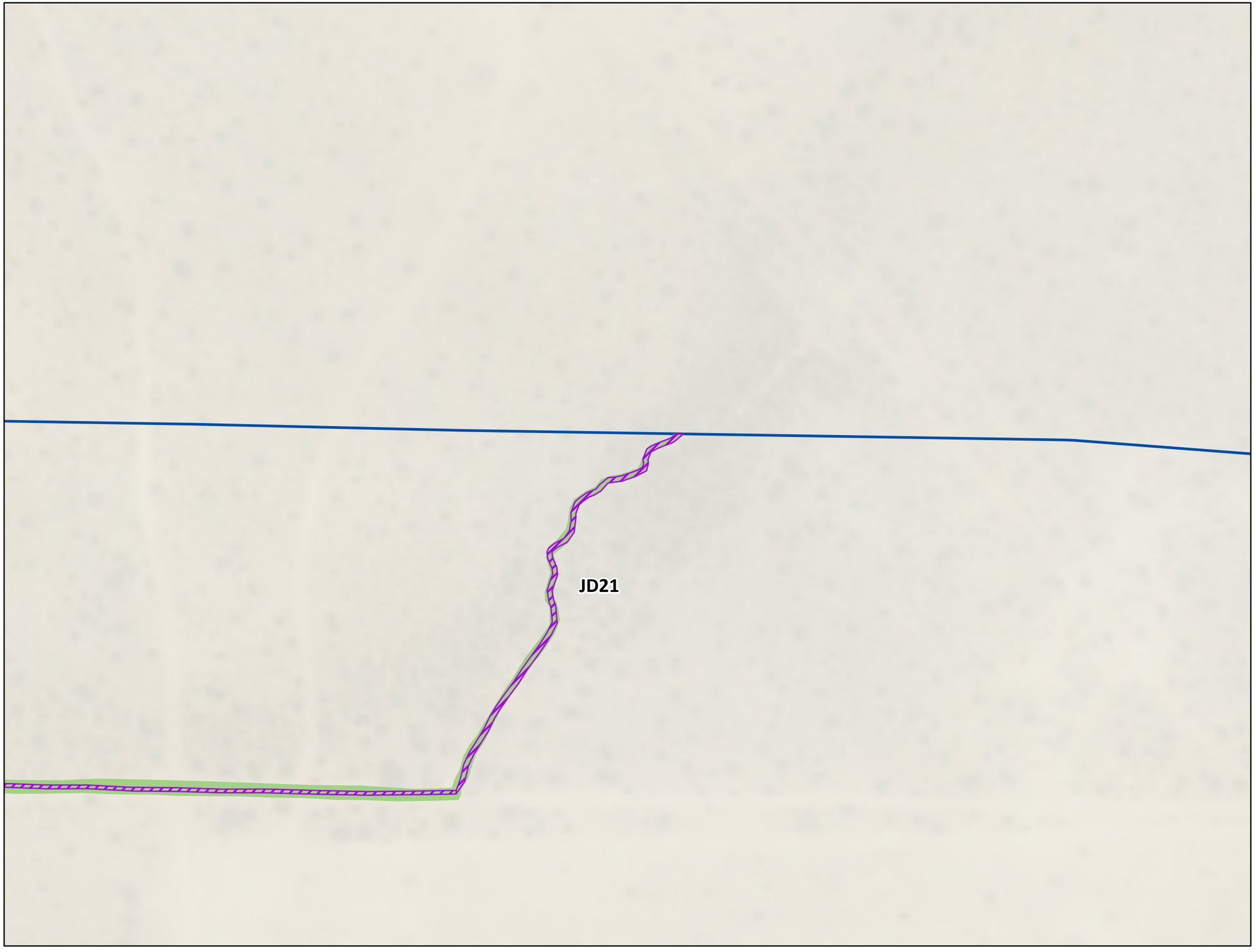

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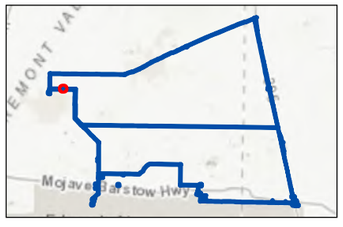

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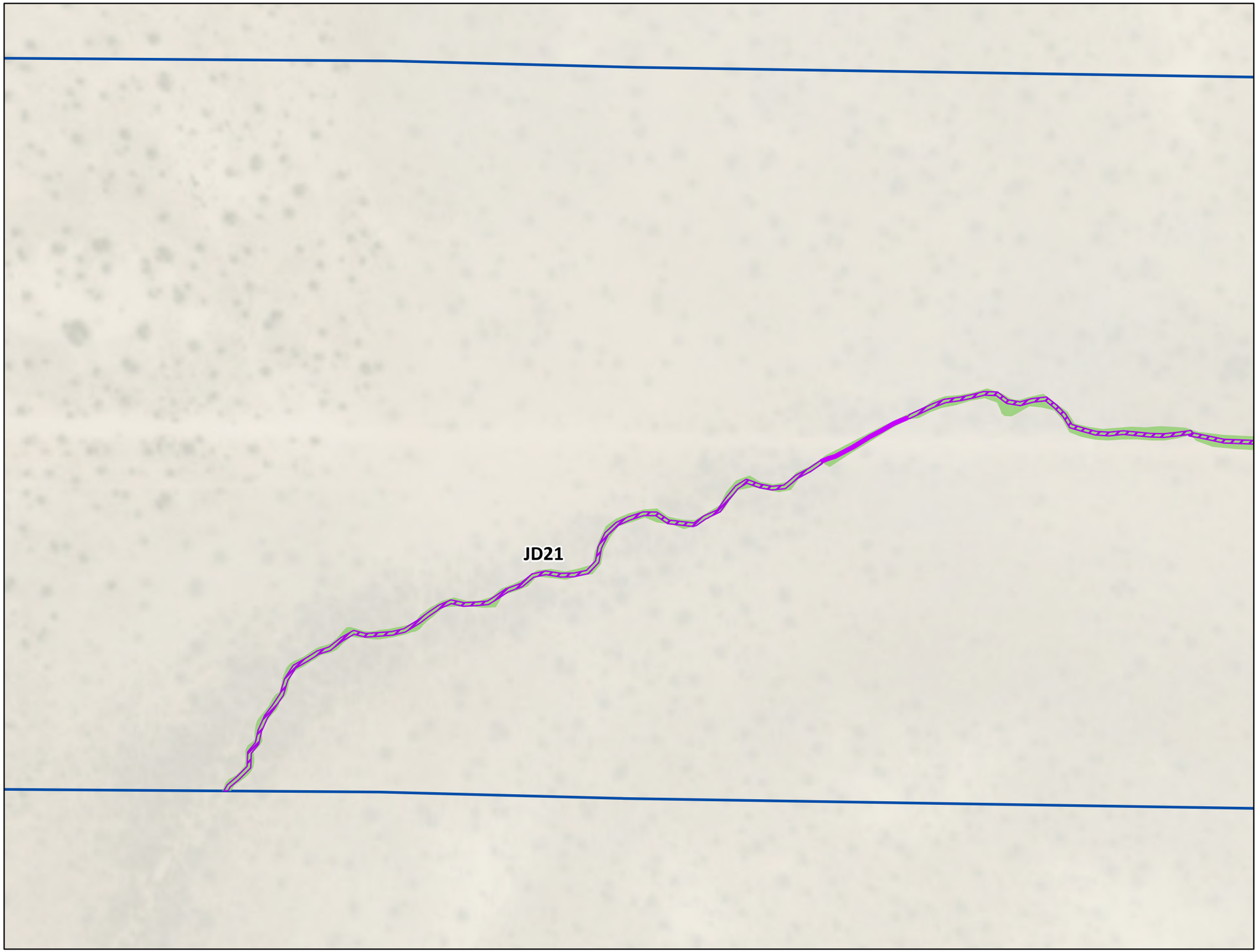


2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

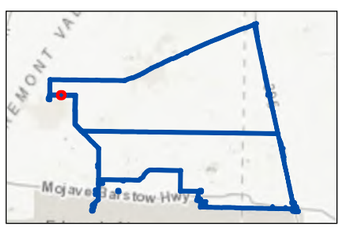
Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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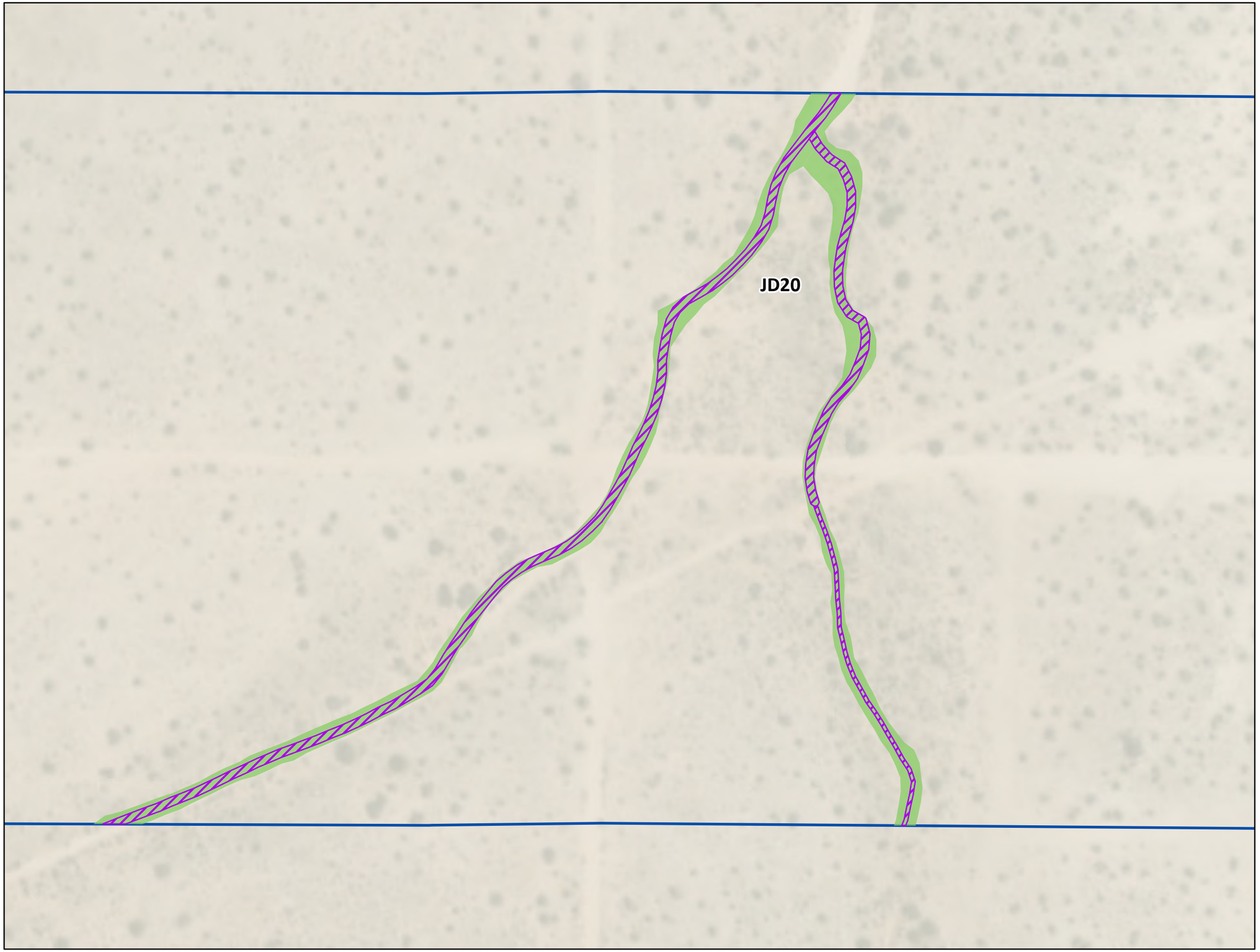
Cal City Substation 115 kV Upgrade Project

Appendix J
Aquatic Resources



2021/2022 Study Area

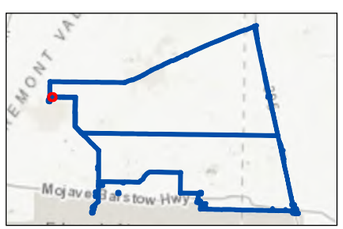
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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Aquatic Resources

JD02

JD01

JD01

JD01

2021/2022 Study Area

2021/2022 Survey Data Non-Jurisdictional Lines

2021/2022 Survey Data RWQCB Jurisdiction

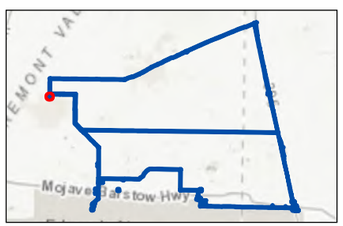
Culverted Non-wetland Waters of the State

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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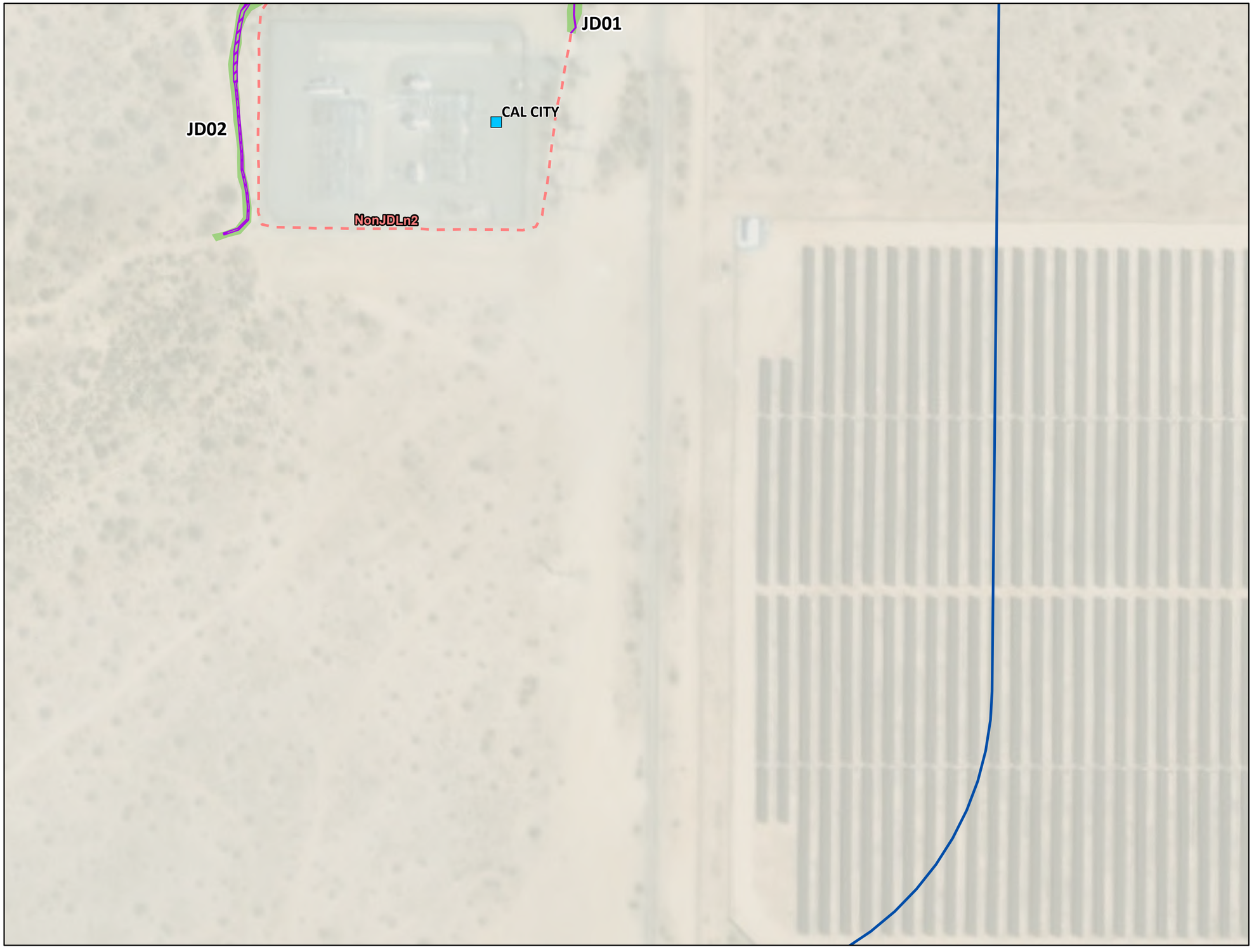

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Aquatic Resources

- Existing Substation
- 2021/2022 Study Area
- 2021/2022 Survey Data Non-Jurisdictional Lines

2021/2022 Survey Data RWQCB Jurisdiction

- Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

- CDFW-jurisdictional Streambed

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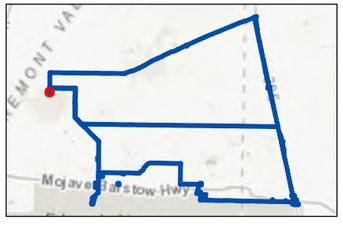

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Aquatic Resources

JD03

2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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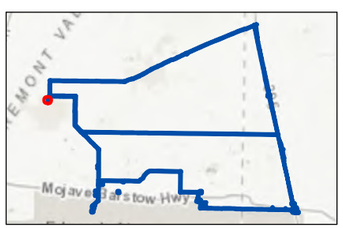

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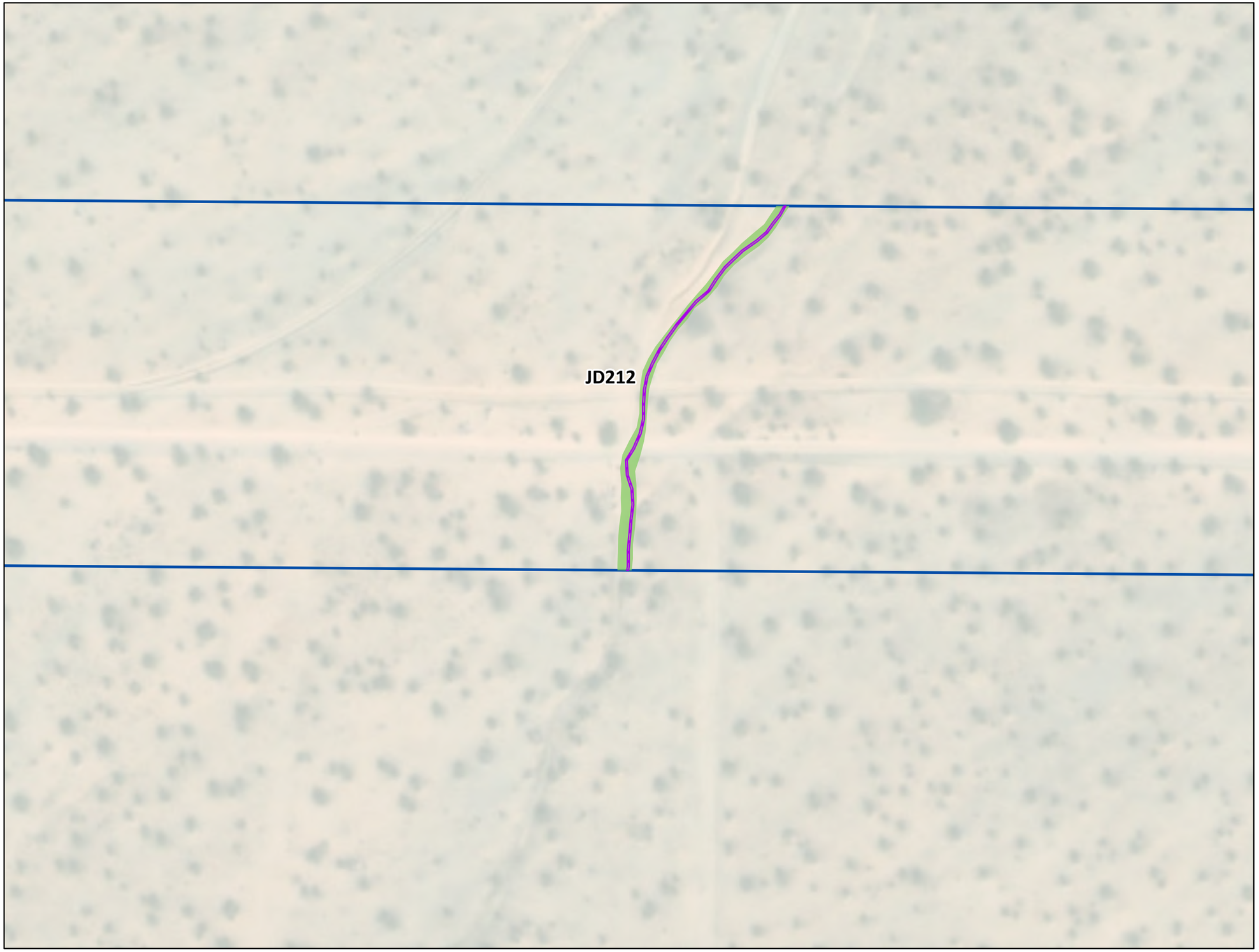
Appendix J
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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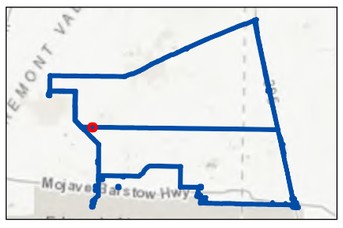

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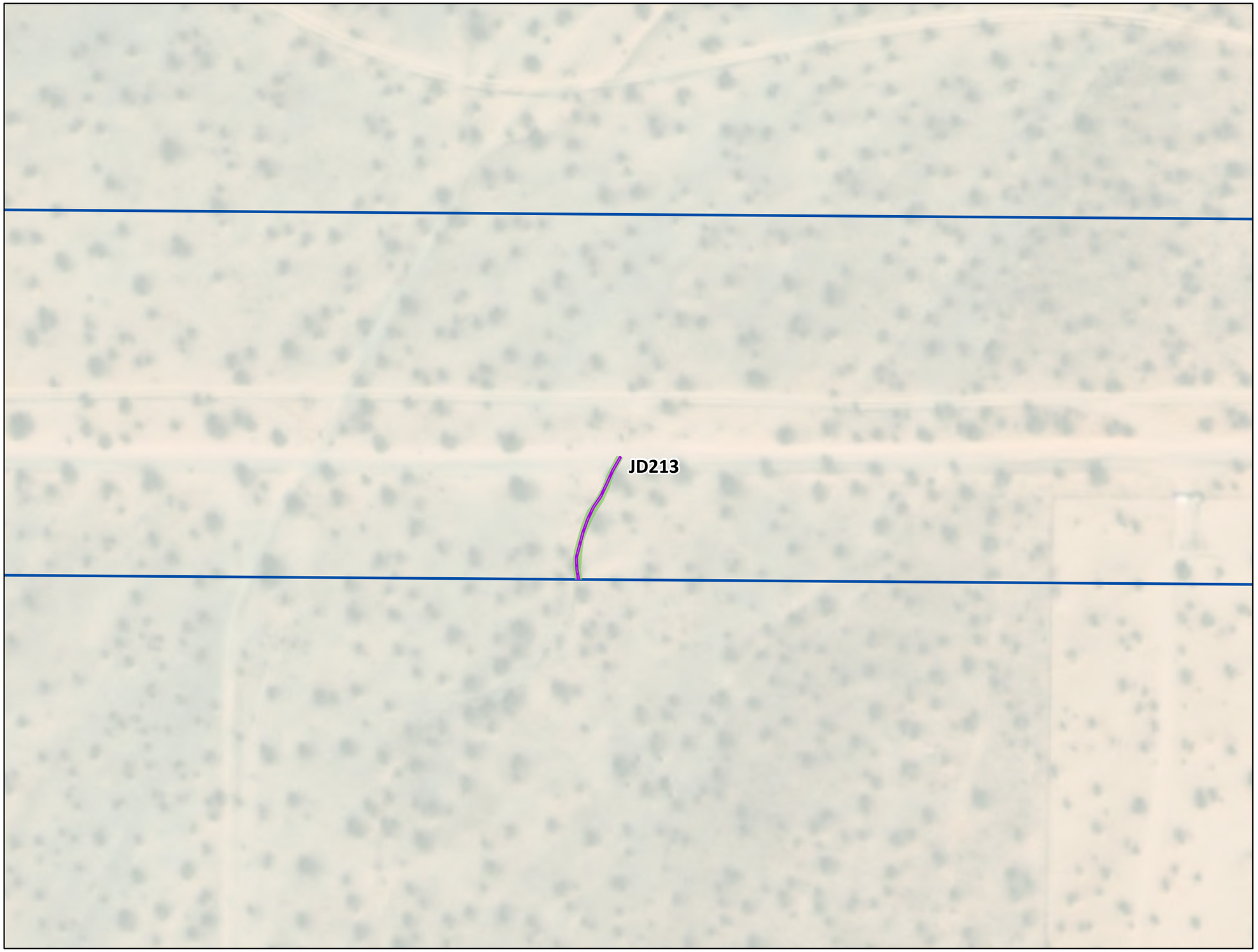
Appendix J
Aquatic Resources



2021/2022 Study Area

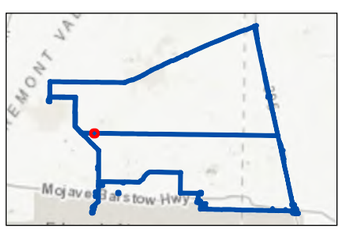
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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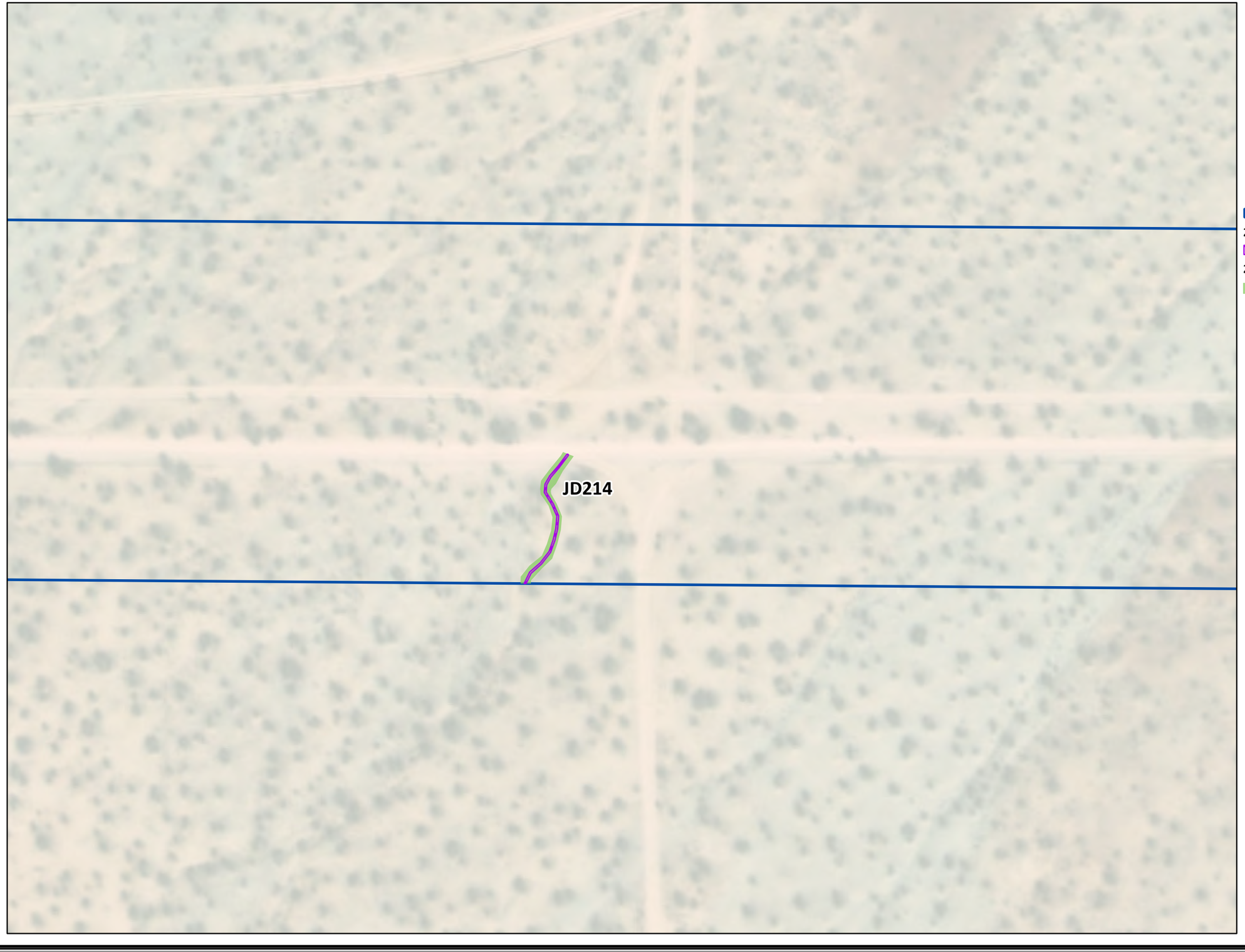
Aquatic Resources



2021/2022 Study Area

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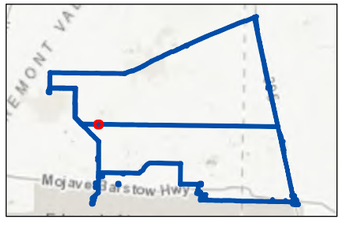
Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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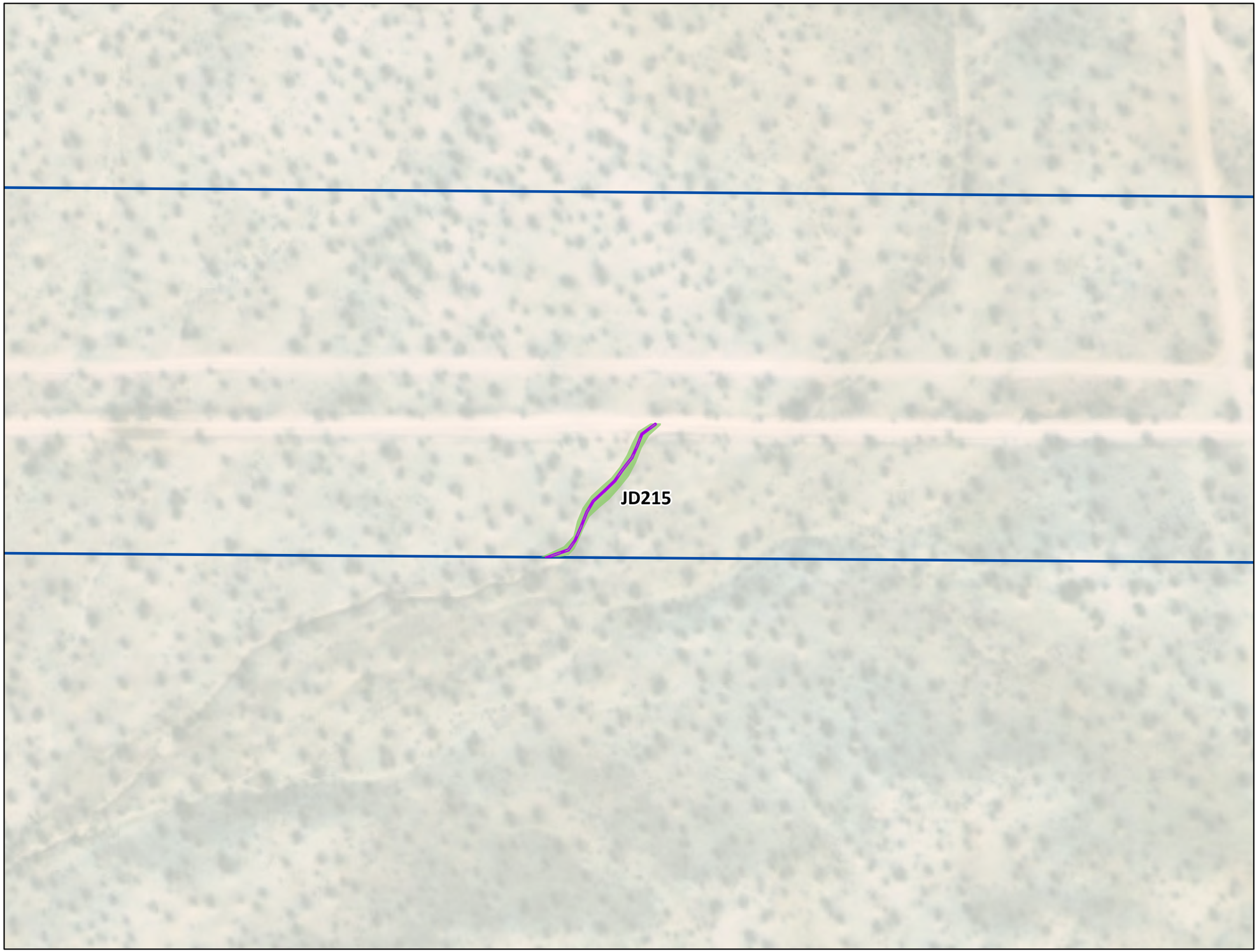
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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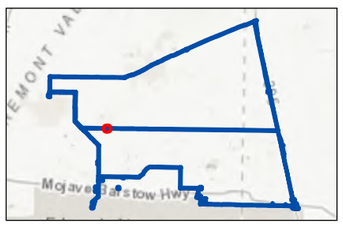

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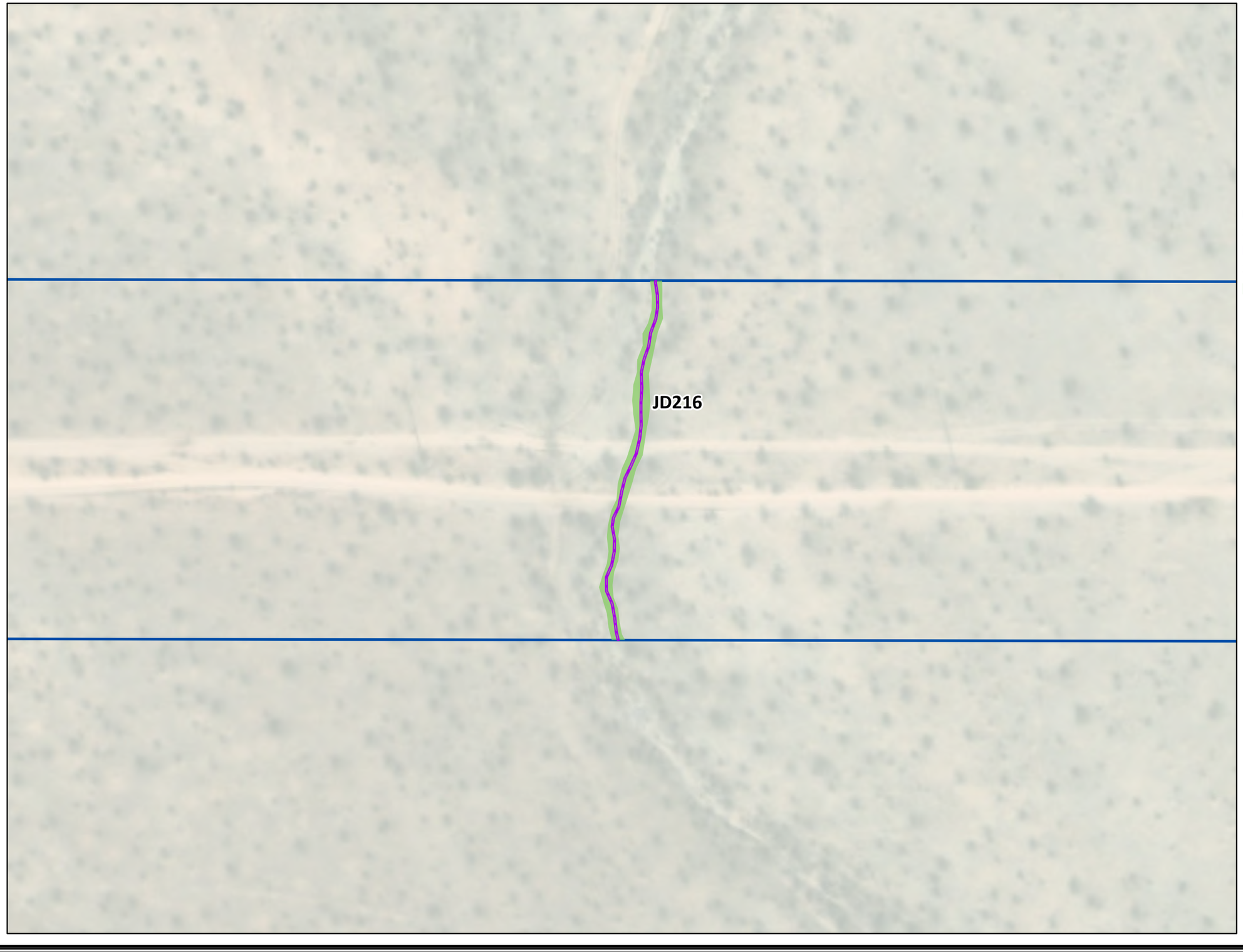
Aquatic Resources



2021/2022 Study Area

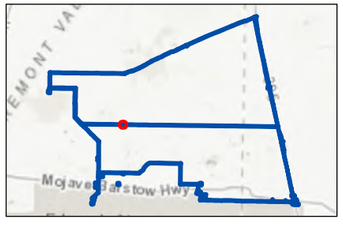
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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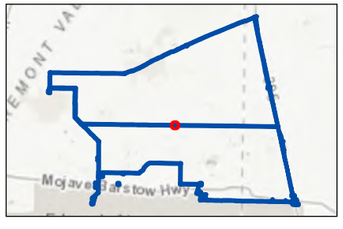

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Aquatic Resources

2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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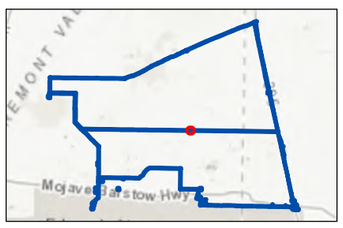

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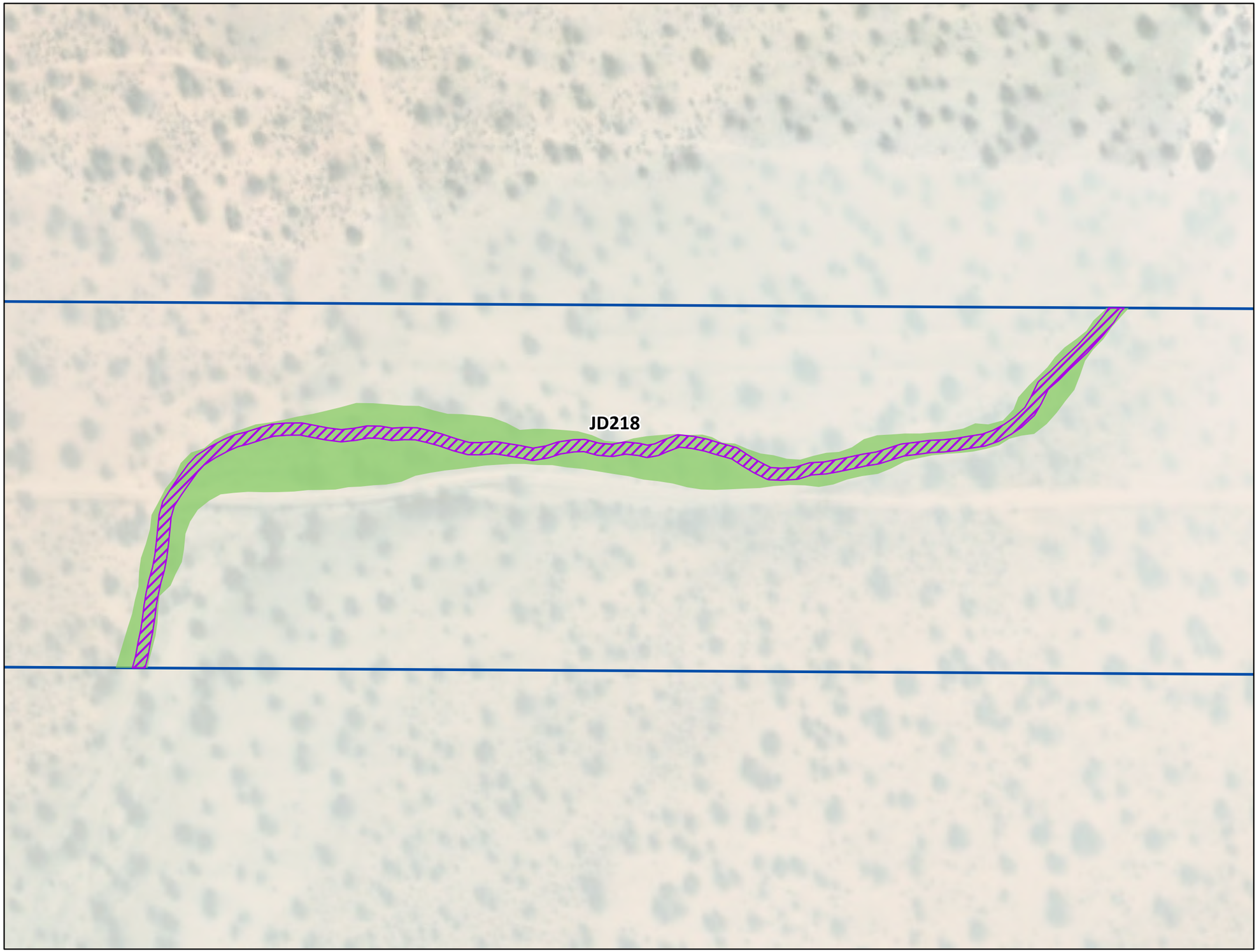
Appendix J
Aquatic Resources



2021/2022 Study Area

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Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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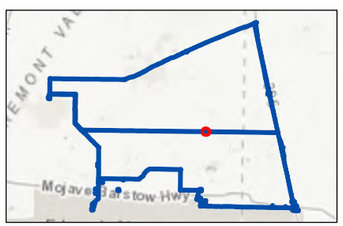

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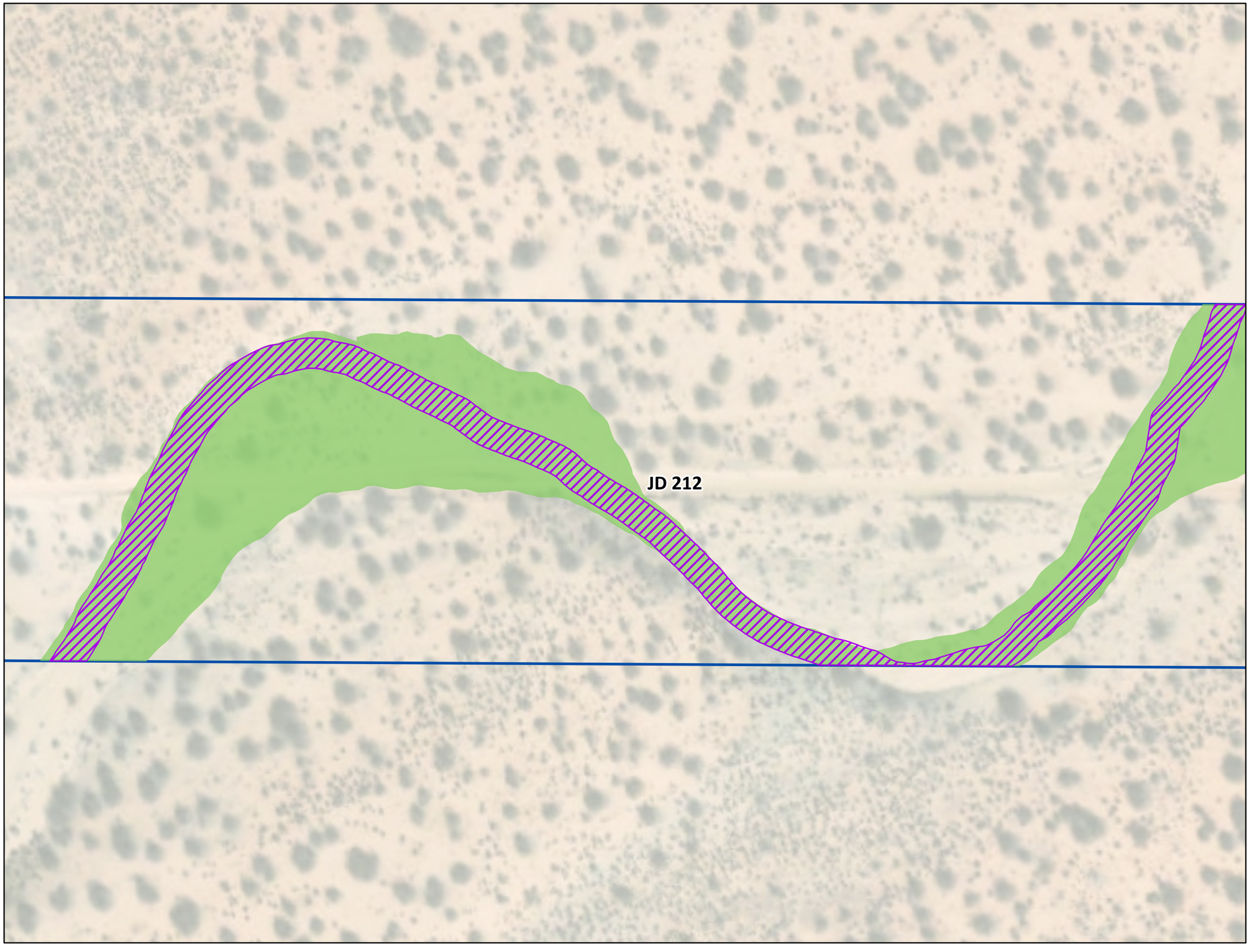
Appendix J
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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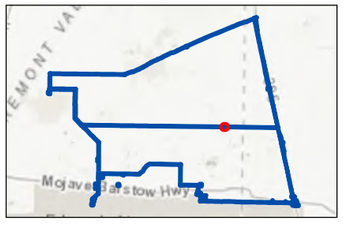

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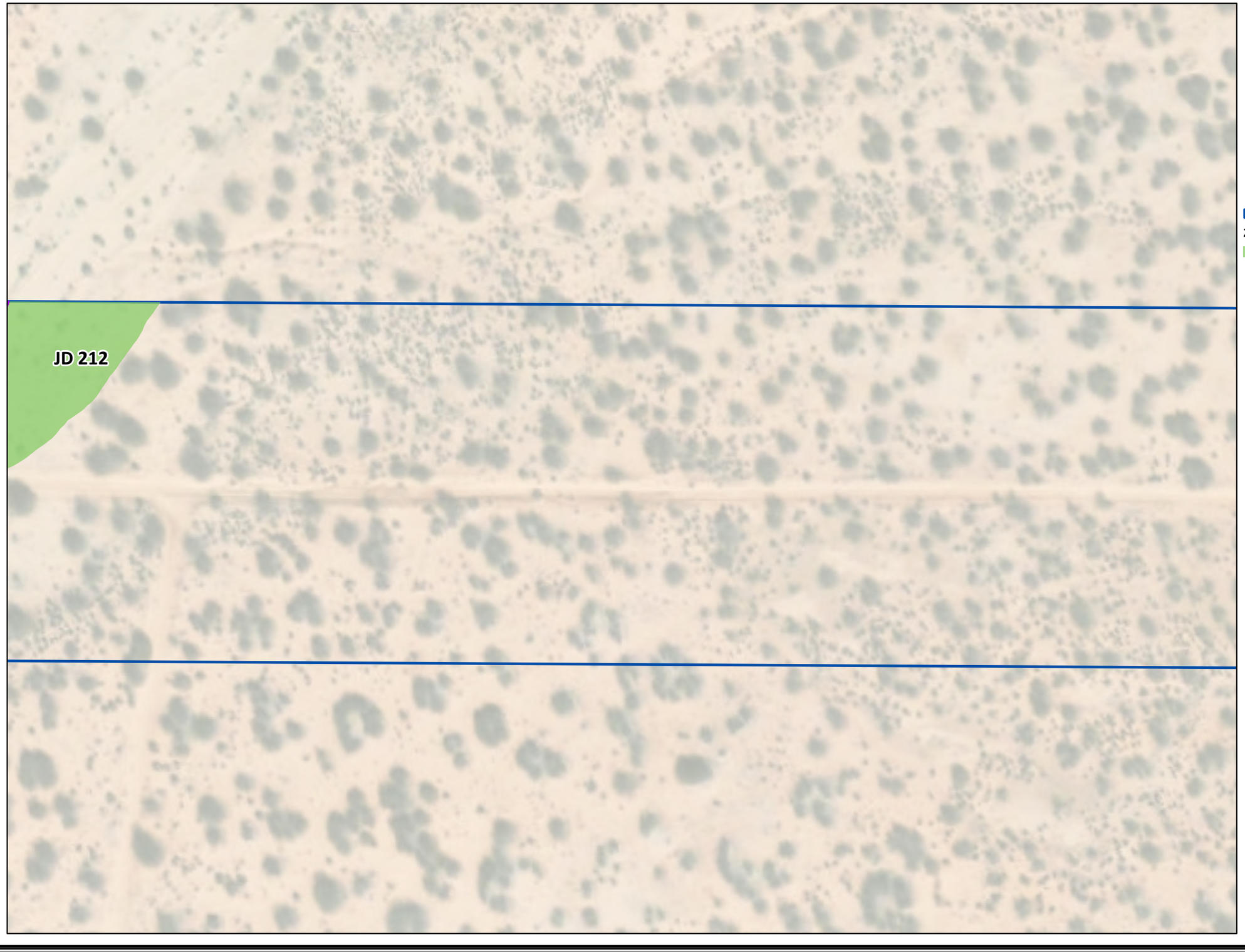
Appendix J
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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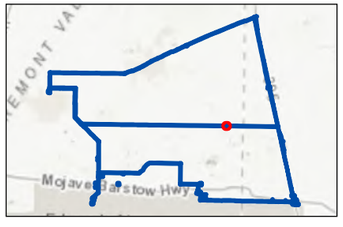

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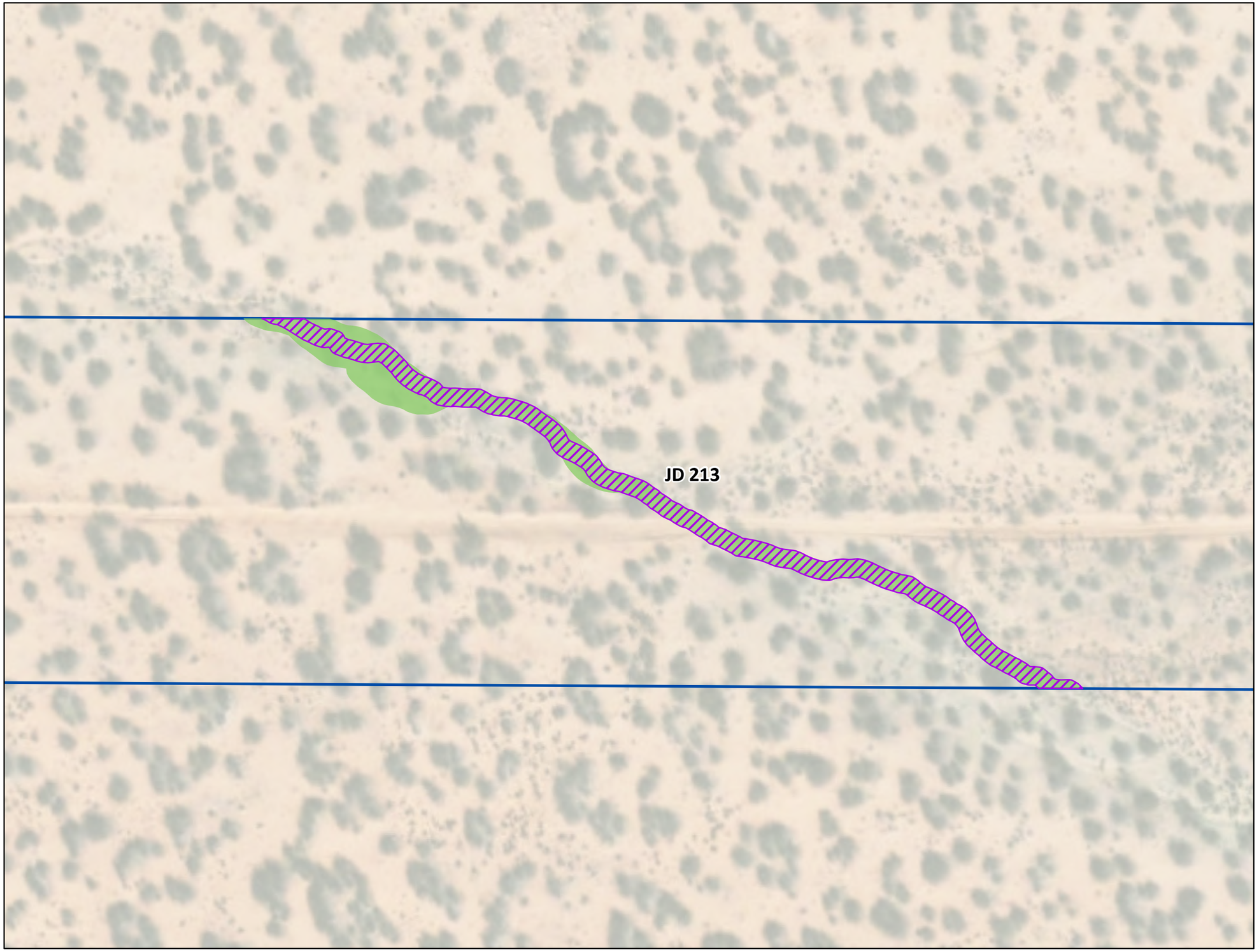
Appendix J
Aquatic Resources



2021/2022 Study Area

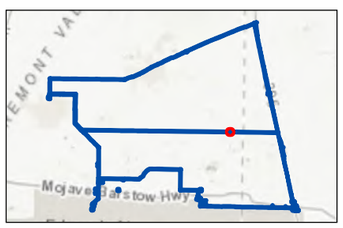
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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Aquatic Resources

JD 214

JD 215

2021/2022 Study Area

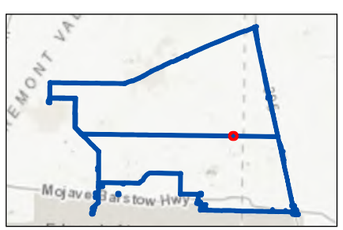
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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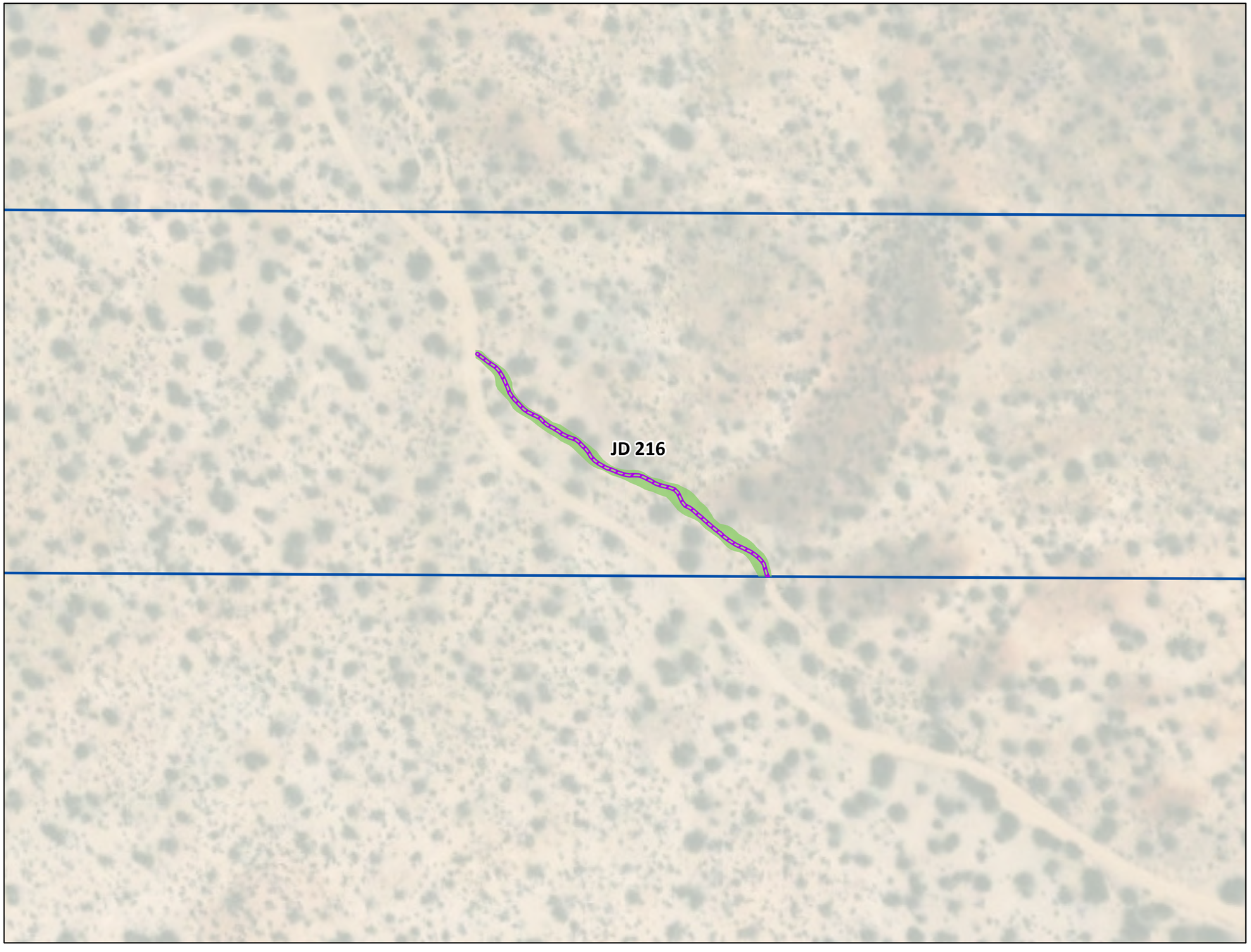
Aquatic Resources



2021/2022 Study Area

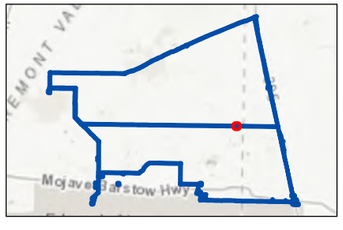
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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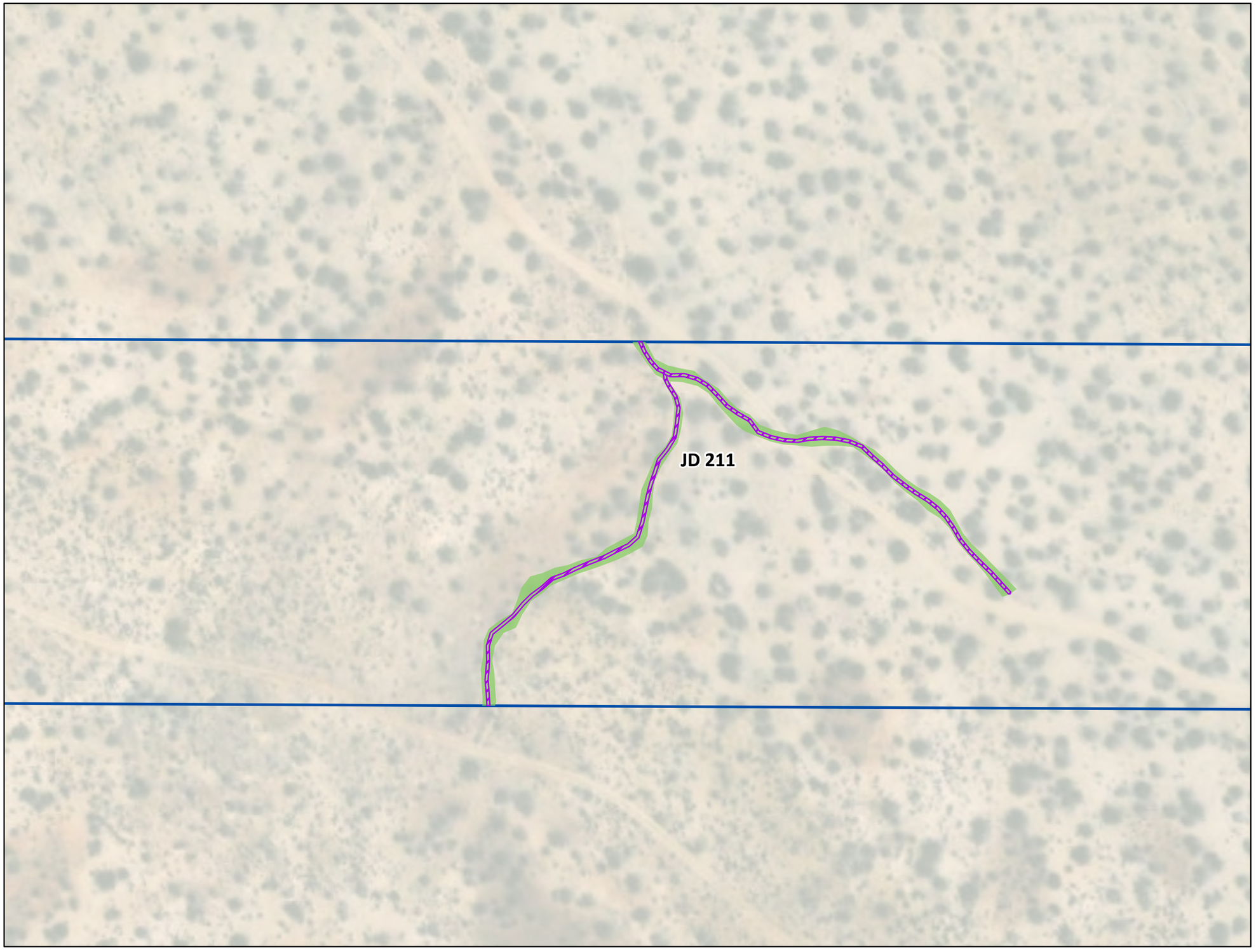
Aquatic Resources



2021/2022 Study Area

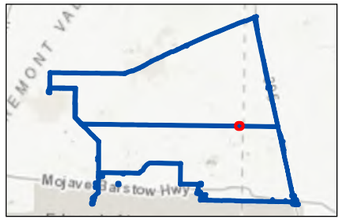
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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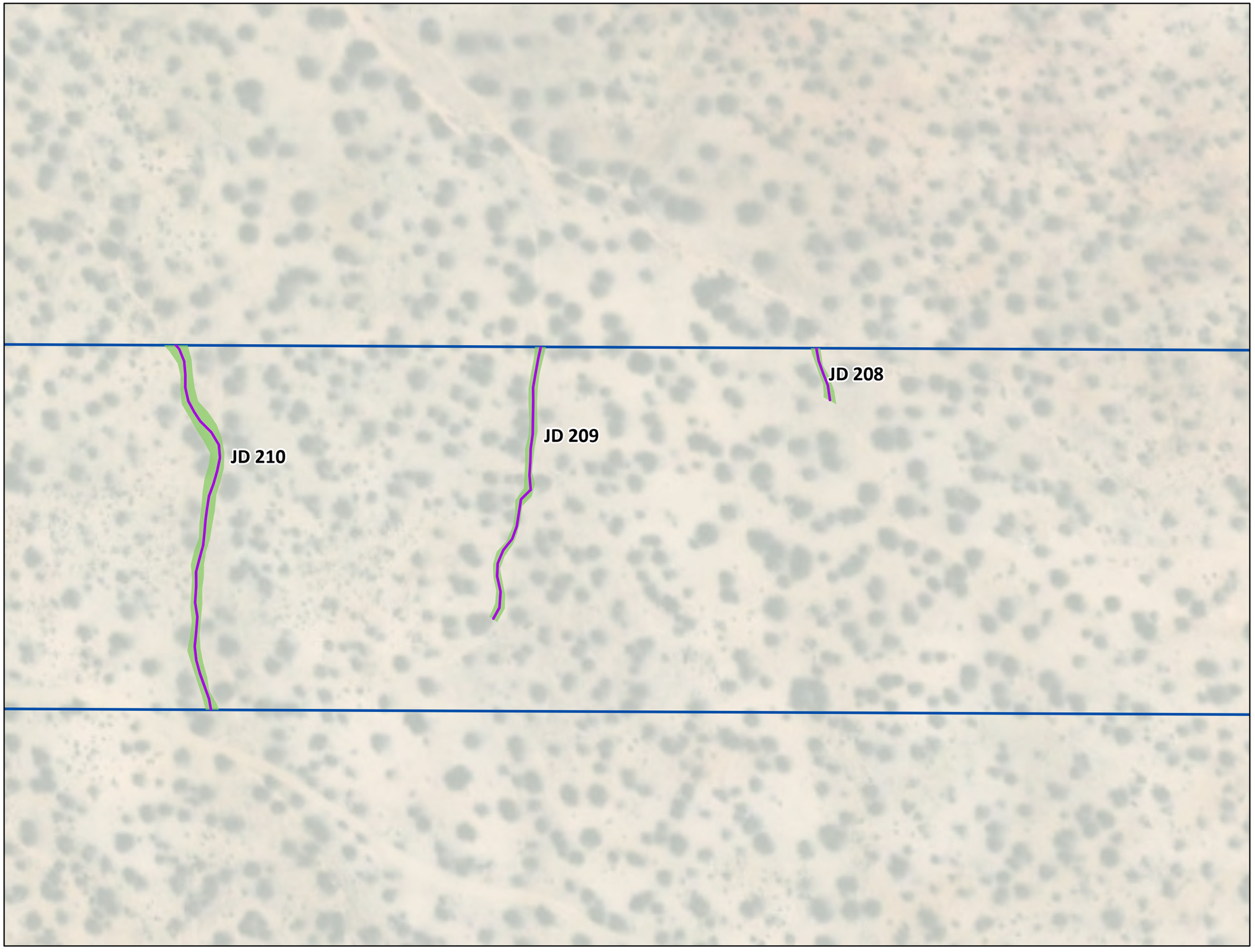


2021/2022 Study Area

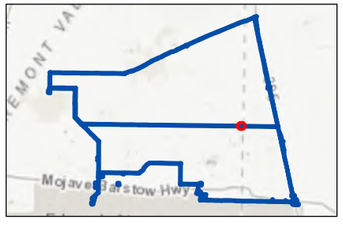
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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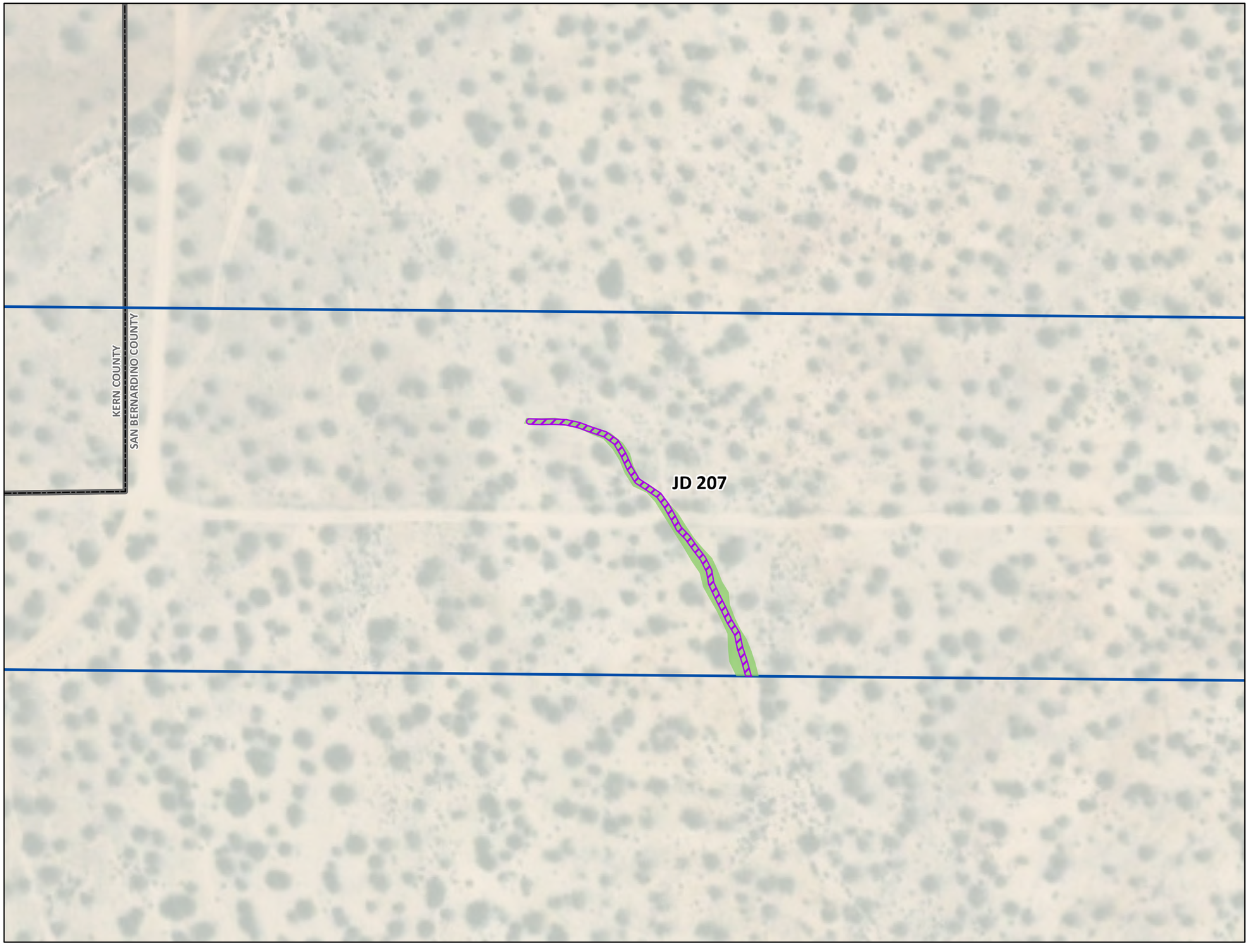


2021/2022 Study Area

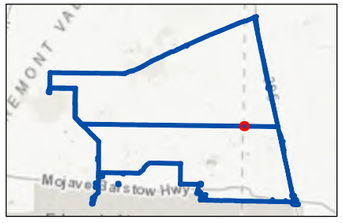
2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

0 50 100 Feet



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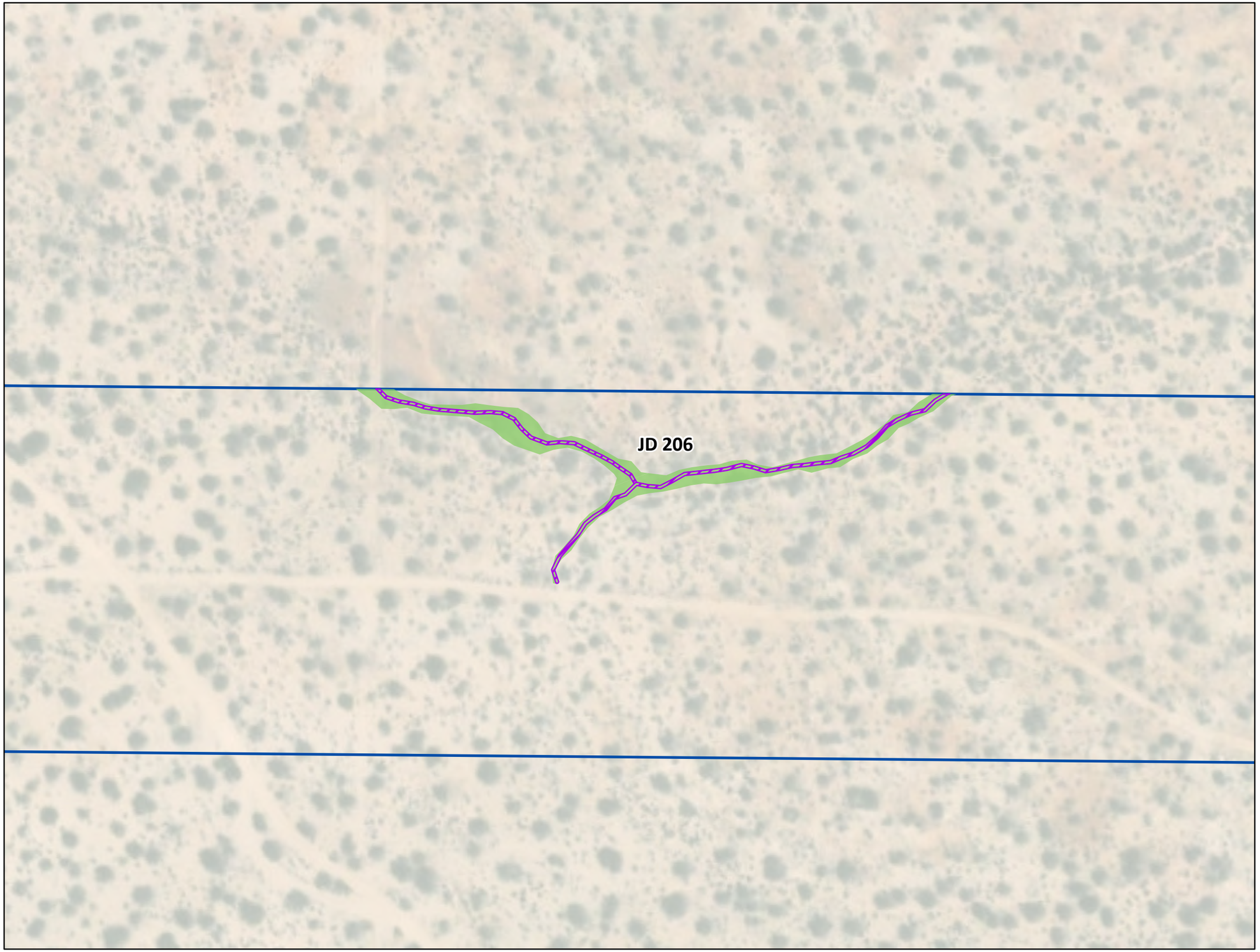
Cal City Substation 115 kV Upgrade Project

Appendix J
Aquatic Resources



2021/2022 Study Area

2021/2022 Survey Data RWQCB Jurisdiction

Non-wetland Waters of the State

2021/2022 Survey Data CDFW Jurisdiction

CDFW-jurisdictional Streambed

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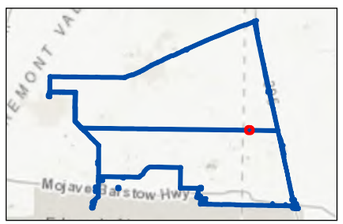

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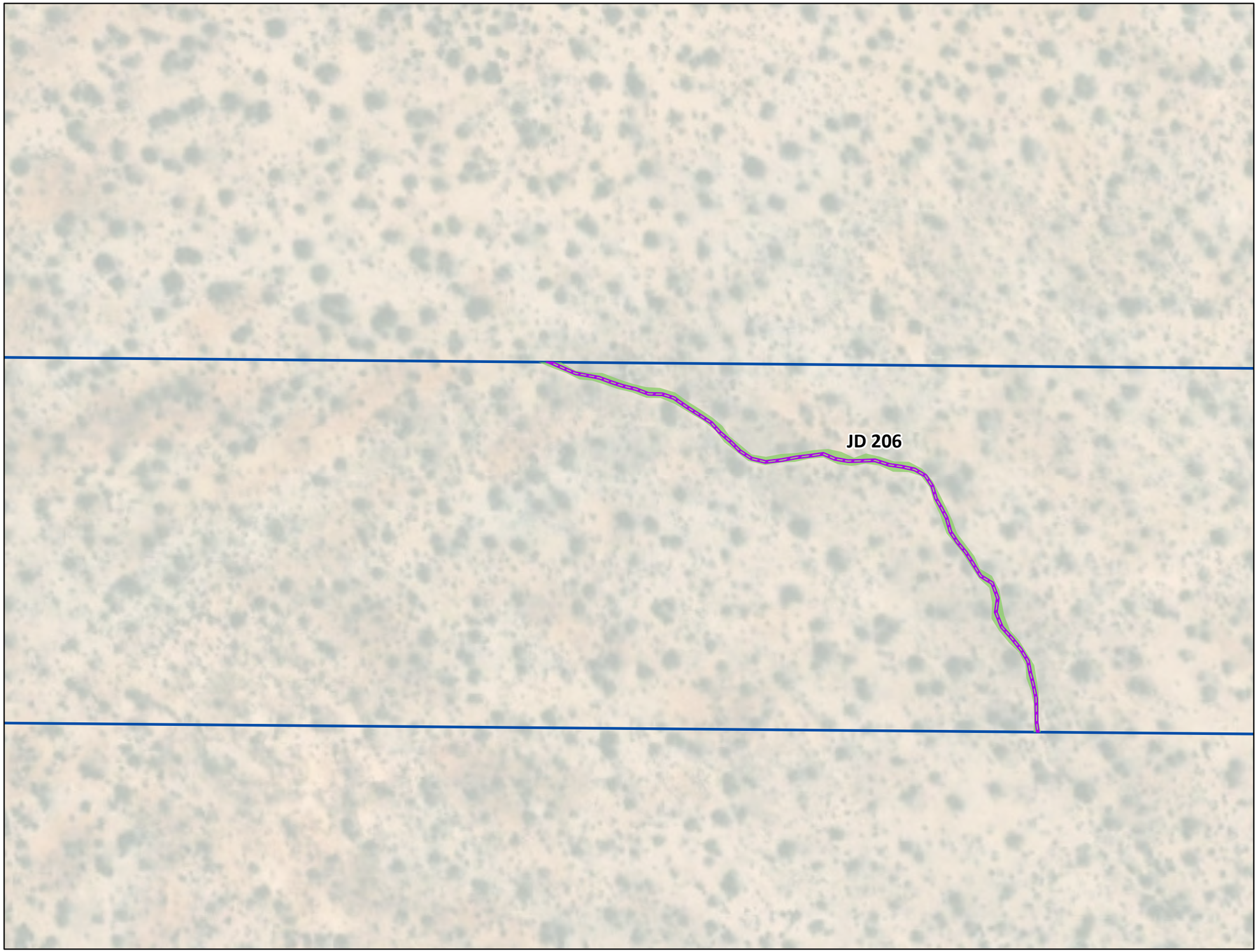

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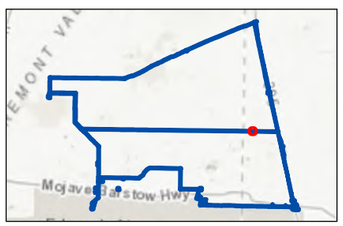

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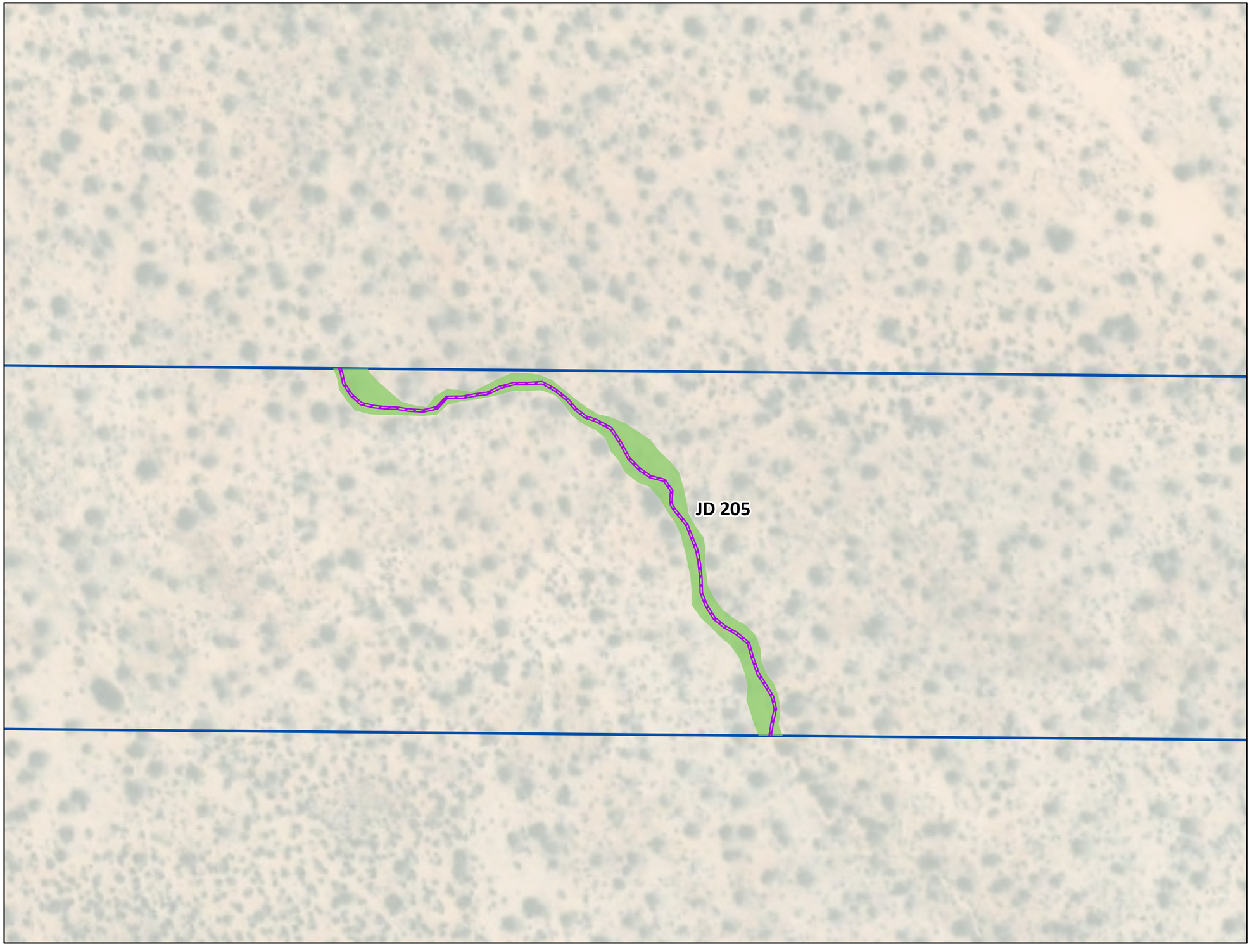

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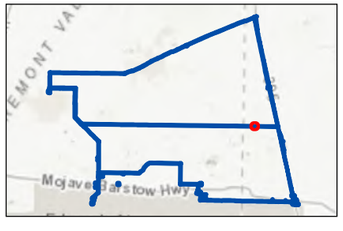

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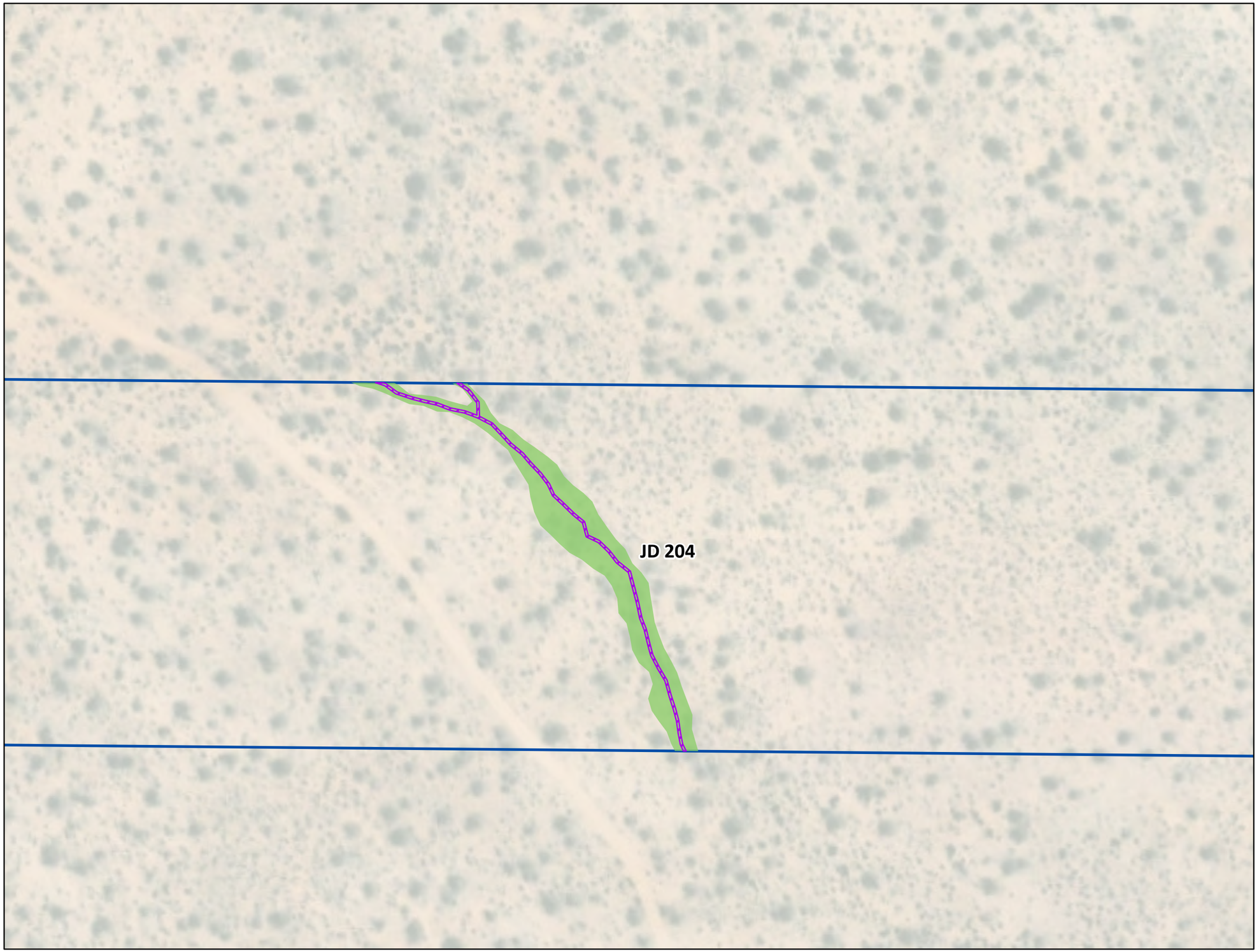

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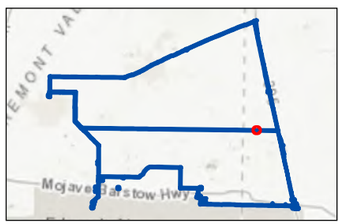

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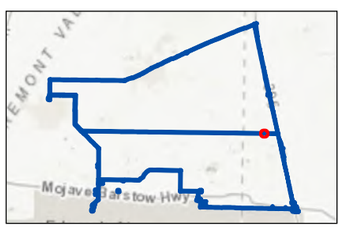

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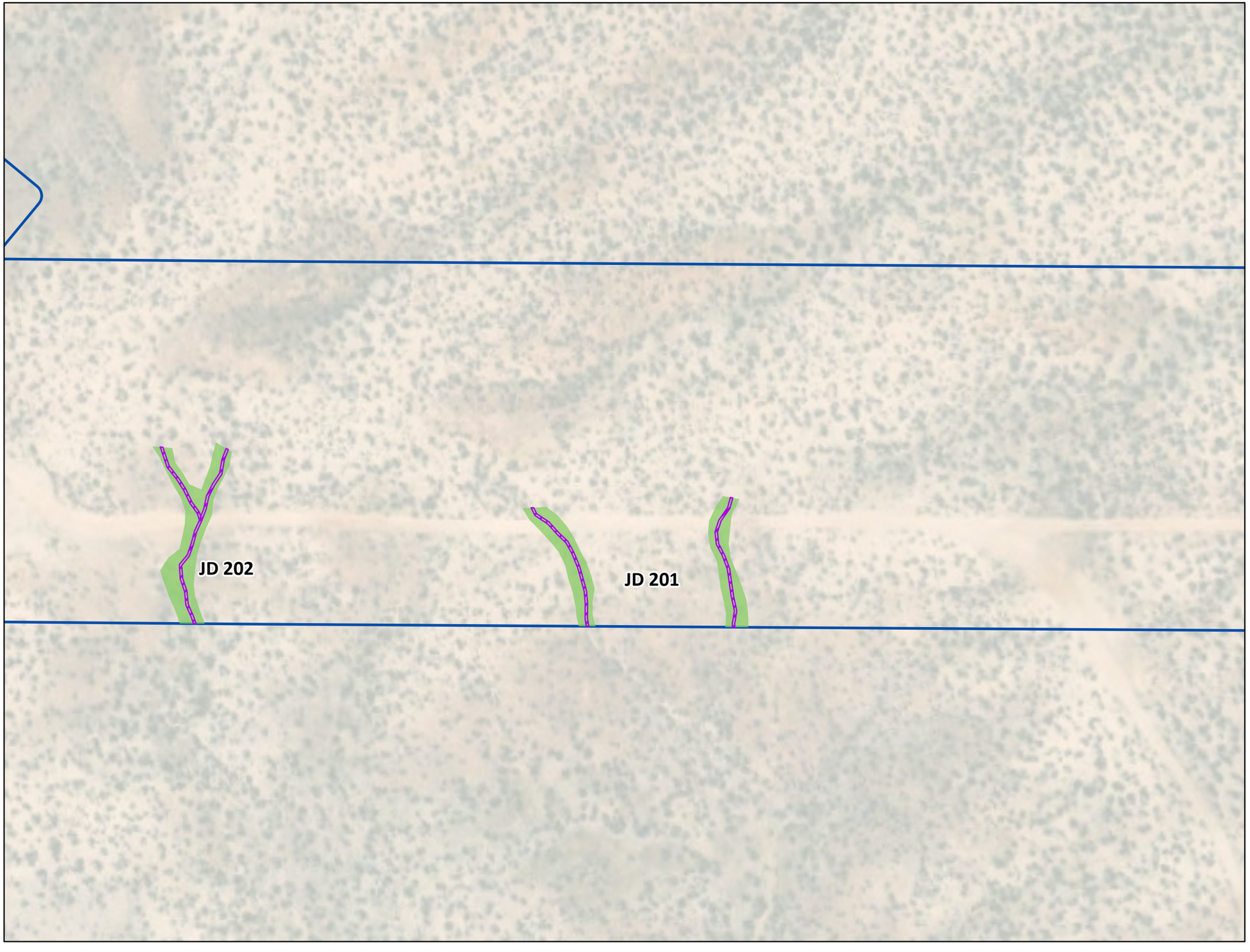

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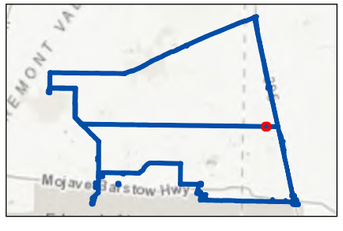

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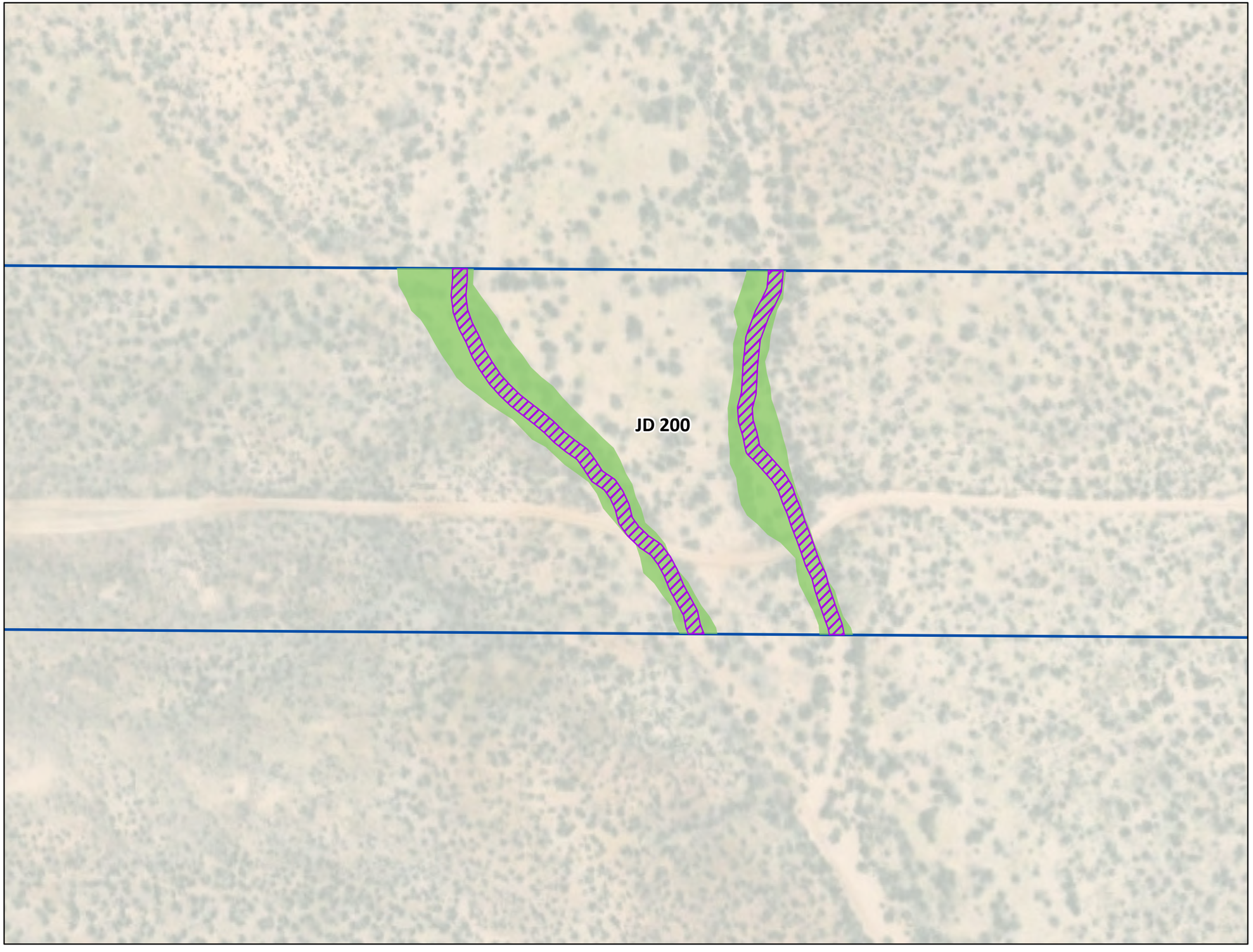

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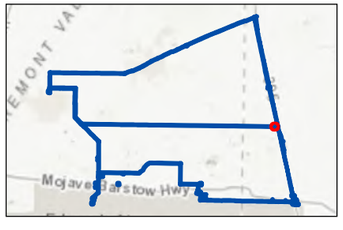

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Appendix H
Geology Technical Report

Subject: **GEOTECHNICAL INVESTIGATION REPORT**
Cal City Substation Expansion Project
California City, Kern County, California

Southern California Edison Project No. 21-070
Geotechnical Soilution Inc. Project No. GS-21B01

Geotechnical Soilutions Inc., has prepared this report to present the findings of the geotechnical investigation performed for the expansion of Cal City Substation. The proposed project will include Drop-in MEER, 115kV transformer bank, switchracks, capacitor banks and other electrical equipment, paved access road and internal paved roadways throughout the substation. The substation will be surrounded by a concrete lined channel. The subject substation can be developed from a geotechnical standpoint, provided the findings, conclusions, and recommendations presented in this report are incorporated in the preparation of the final grading plan, foundation design, and construction of the project.

The recommendations contained herein are contingent upon adequate monitoring of the geotechnical aspects of the construction by a representative of Geotechnical Soilutions Inc., and SCE Geotechnical Group.

If you should have any questions, please feel free to contact the undersigned.

Respectfully Submitted,
Geotechnical Soilutions, Inc.,

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Geotechnical Engineer
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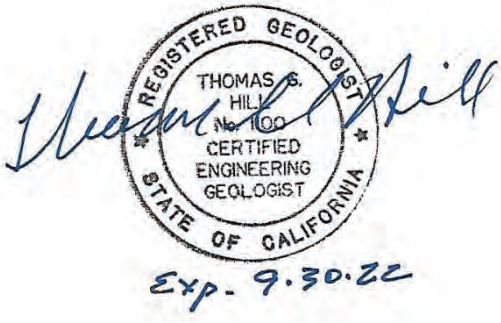
Tom Hill
Engineering Geologist
CEG1100



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ABBREVIATIONS

ACI – American Concrete Institute

ASTM – American Standard Testing and Measurement

BGS – below existing ground surface

GEOTECHNICAL GROUP – Southern California Edison Geotechnical Group located in Pomona

CBC – California Building Code

CGS – California Geological Survey

CMU – Concrete Masonry Unit

EI – Expansion Index

MCE – Maximum Considered Earthquake

MCS – Modified California Sampler

MEER – Mechanical Electric Equipment Room

MSL – Mean Sea Level

kV – kilovolts

PCC – Portland Cement Concrete

PCF – pounds per cubic foot

PSF – pounds per square foot

SCE – Southern California Edison

SPT – Standard Penetration Test

SSPWC – Standard Specifications for Public Works Construction

USGS – United States Geological Survey

1.0 Introduction

This report presents the findings of the geotechnical investigation performed for the proposed Cal City Substation Expansion Project located in California City, Kern County, California. For the site location, see Plate 1*, Location Map.*

The purposes of this investigation were to determine the nature and engineering properties of the subsurface soils and to provide recommendations regarding general site grading and foundation design and construction. The recommendations provided in this report are based on our field exploration, which included fourteen soil borings drilled on November 30 through December 1, 2021. The proposed development and the approximate boring locations are shown on Plate 2 in Appendix A.

The site earthwork and design recommendations provided in this report are based on DRAFT Site Development Plan (Grading), prepared by Wilson Mikami Corporation, dated April 26, 2022, provided to us on June 8, 2022.

2.0 Project Description

2.1 Site Location and Description

The project site for the proposed California City, Substation Expansion 115kV project is located on an extension of Hacienda Boulevard (labeled as 90th Street), approximately 700 feet north of the intersection of Mendiburu Road in California City. The site can be found at coordinates 35.1526N, 117.9686W. It is bounded by open land on the south, west and north, and by the roadway and a solar panel facility beyond to the east.

The area of the electrical components portion of the proposed Expansion Project is located to the west and north of the existing substation, but the project site will also include additional areas to the south and north that will be used for laydown/material storage and a construction yard. The entire site will be fenced and enclosed by a concrete lined channel that will discharge surface water to a channel velocity dissipator in the northeast portion of the property. Development will also include a water quality basin in the north portion of the site.

The existing substation, as well as the area proposed for expansion, is generally relatively flat, with a slight gradient to the northeast.

The expansion area is largely in native condition, and consists of typical desert terrain sparsely vegetated with low height plants.

The existing substation is within a poorly defined drainage system that flows northeasterly from near the intersection of Mendiburu Road and 88th Street southwest of the site. The raised pad of the existing substation has diverted this drainage system into an incised

gully west of the substation pad that then flows northeasterly in the expansion area north of the substation. The gully deepens to a depth of 6-8 feet as it flows to 90th Street where it is channeled below the road and continues to the northeast. Several smaller incised drainage channels are also present to the west and north of the existing substation, and these channels were avoided during the field exploration process.

2.2 Proposed Development

The project will consist of expansion of the existing Cal City substation. The existing substation is located next to a dirt road, the north extension of Hacienda Boulevard [labeled on the plans as 90th street] in California City (coordinates 35.1426n 117.9686w). The new substation site will comprise an area with a 670 by 1000-foot footprint.

The Site Development Plan (Grading) indicates that the site will be graded with a 1% grade to the east. The site grading will consist of few feet of fill on the west side and minor cut on the east side.

The Substation will be surrounded by a 62-foot-wide concrete lined channel with 2:1 side slopes. The bottom of the channel (flat portion) is 30 feet wide and the depth ranges from approximately 5 feet at the southeast side to 8.5 feet at the northeast side. The channel will route surface run-off from the south around the substation and discharge at the north east corner of the site along Hacienda Boulevard. A storm water detention basin will be constructed in the north east portion of the site, with a capacity of a minimum 5,700 cubic feet.

Substation structures will be constructed in the central portion of the site and will include Drop-in MEER, 115kV transformer bank, 12kV, 33kv and 115kV Switchracks, capacitor banks and other electrical equipment. Portions of the north area of the site will be used as a laydown/material yard, and the southern portion will be used as a construction staging yard, both covered with 4 inches of crushed rock. The site will be accessed by three driveways from Hacienda Boulevard. The Substation site will be surrounded by security Beta fence and chain-link fence.

3.0 Field Exploration & Laboratory Testing

The scope of our investigation included a review of existing information, site reconnaissance, subsurface exploration for geotechnical soil sampling, percolation testing, laboratory testing and preparation of this report.

3.1 Field Exploration

Fourteen soil borings (B-1 through B-15) and two percolation borings were drilled by Geotechnical Soilutions for the project site utilizing a limited access, track mounted drill rig equipped with 8-inch diameter hollow-stem augers and an auto hammer for soil sampling. Boring 14 was eliminated due to underground utility conflicts. The soil boring

depths ranged from 15 to 50 feet below the existing ground surface (bgs), and the percolation borings drilled to a depth of 5 feet. Prior to conducting the borings, the boring locations were staked by our personnel and Underground Service Alert was contacted to mark underground utilities. In addition, a Geophysical survey was performed to identify, mark and clear underground utilities. Upon completion, the borings were backfilled with drill cuttings and the ground surface restored to original condition.

3.2 Soil Sampling

The subsurface materials were sampled utilizing Standard Penetration Test (SPT) samplers and Modified California samplers (MCS) in accordance with the guidelines of ASTM D1586, *Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils.* The SPT sampler has an inside diameter of 1.375 inches and outside diameter of 2.0 inches. The MCS sampler has a 2.42 inch inside diameter and a 3.0 inch outside diameter. The samplers were driven 18 inches into the soil using a 140-pound automatic hammer falling 30 inches. The number of blows required to drive the sampler for each 6 inches of penetration is referred to as the blow count and is noted in the "*Blows"* column of the boring logs. In general, MCS samples were collected at depths of 5, 7 and 10 feet bgs, then SPT and MCS samples were alternated at 5-foot intervals to the total depth of each boring. Bulk samples were collected from the upper five feet of some of the boring.

3.3 Geotechnical Laboratory Testing

Representative samples of the site soils were tested in the laboratory to aid in the soil classification and to evaluate relevant engineering properties of the site soils. These tests included:

- *In situ moisture contents and dry densities (ASTM Standard D2216)*
- *Grain size distribution and Percent Passing Sieve No. 200 (ASTM Standards D6913/D1140)*
- *Atterberg Limits (ASTM D4318)*
- *Maximum dry density and optimum-moisture content relationship (ASTM Standard D1557)*
- *Direct shear (ASTM Standard D3080), undisturbed and remolded*
- *Consolidation (ASTM D2435)*
- *Swell / Collapse (ASTM D4546-14, Method B)*
- *Expansion Index*
- *R-Value (D2844)*
- *Soil corrosivity tests (Caltrans 643, 422, 417, and 532)*

3.4 Percolation Testing

Two percolation borings (PT-1 and PT-2) were excavated for the percolation testing at the site to a depth of 5 feet below grade. Percolation test results are provided in Appendix E, and the locations of the borings are shown on Plate 2 in Appendix A.

4.0 Geologic Setting

The site is located in an area known as the Mojave Desert Geomorphic Province. The province is characterized as a broad, interior expanse of isolated mountain ranges separated by desert plains. The Cal City Substation and project site are located on a desert plain underlain by a thick sequence of alluvial soils. The attached Regional Geologic Map [CDMG Geologic Maps of the Trona and Bakersfield Sheets], show the relationship of the site area to the surrounding geologic terrain, Plate 3 in Appendix A.

The field investigation, which consisted of fourteen borings to depths ranging from 15 to 50 feet below ground surface, generally confirmed the published soil conditions. In general, the upper approximately 3-4 feet of soil consisted of clayey sand, underlain primarily by clayey and silty sand with slight to heavy cementation of calcium carbonate (caliche) to the total depth explored. The cemented soils are generally dense to very dense.

Although the site is not within an Alquist-Priolo Earthquake Fault Zone and no active faults are projected to intersect the site area, the active Garlock Fault is located approximately 8 miles to the northwest of the site and the San Andreas Fault is located approximately 38 miles southwest of the site.

5.0 Site Conditions

5.1 General

This section contains a general description of the subsurface conditions and various materials encountered at the site during the field exploration and a discussion of laboratory test results.

5.2 Subsurface Conditions

Based on the boring logs by Geotechnical Soilutions Inc., alluvial deposits of predominantly sand and gravel, slightly clayey and silty, were encountered to the total depth drilled (50 feet).

5.3 Groundwater

Groundwater was not encountered in all borings drilled to maximum 50 feet depth. Based on the nearest State Well located about 1 mile north of site, the depth to groundwater was 250 feet in 2010.

5.4 Geotechnical Laboratory Testing Results

Laboratory testing was performed to determine the physical characteristics and engineering properties of the subsurface soils. Results of *in situ* moisture and dry density tests are presented on the Logs of Borings in *Appendix B*, *Field Exploration,* and remaining test results are presented in *Appendix C*, *Laboratory Testing Program.* Discussion on the various test results is presented below:

In situ Moisture and Dry Density – In situ dry density and the moisture content of the surficial soils are shown on the boring logs in Appendix B.

Grain Size Distribution – Results of the gradation analysis tests are presented in the following table.

Table No. 1, Grain Size Distribution

Sample Location	Soil Classification	Percent Fines, %	Percent Sand and Gravel, %
B-1 @ 5’	Clayey Sand (SC)	16	84
B-1 @ 15’	Clayey Sand (SC)	22	78
B-4 @ 0-4’	Clayey Sand (SC)	22	78
B-4 @ 10’	Sand with Silt (SW-SM)	6	94
B-5 @ 5’	Clayey Sand (SC)	22	78
B-5 @ 10’	Sand with Silt (SP-SM)	11	89
B-5 @ 20’	Silty Sand (SM)	39	61
B-5 @ 30’	Sand with Silt (SW-SM)	6	94
B-6 @ 20’	Silty Sand (SM)	13	87
B-7 @ 0-5’	Clayey Sand (SC)	47	53
B-7 @ 7.5’	Silty Sand (SM)	23	77
B-10 @ 0-5’	Clayey Sand (SC)	49	51
B-13 @ 0-5’	Silty Sand (SM)	26	74

Maximum Dry Density and Optimum Moisture Content – Typical moisture-density relationship of the representative surficial soils are summarized in the following table.

Table No. 2, Maximum Dry Density and Optimum Moisture

Sample Location	Soil Classification	Maximum Dry Density (pcf)	Optimum Moisture Content (%)
B-4 @ 0-4’	Clayey Sand (SC)	123.7	10.9
B-7 @ 0-5	Clayey Sand (SC)	123.2	11.8
B-10 @ 0-5’	Clayey Sand (SC)	119.6	12.3
B-13 @ 0-5’	Silty Sand (SM)	128.4	8.8

Direct Shear – Direct shear tests were performed on representative samples. Tests were performed on relatively undisturbed samples in saturated moisture conditions. Each direct shear test was performed on three ring samples collected at the same depth with a range of normal loads. Results of direct shear tests are provided in the following table.

Table No. 3, Direct Shear

Sample Location	Soil Classification	Test Results (Peak Shear Strength)		Test Results (Ultimate Shear Strength)	
		Friction Angle (degrees)	Cohesion, (psf)	Friction Angle (degrees)	Cohesion, (psf)
B-1@ 10’	Clayey Sand (SC)	41	900	37	150
B-1@ 20’	Silty Sand (SM)	38	100	32	50
B-2@ 5’	Silty Sand (SM)	35	100	31	100
B-3 @ 5’	Silty Sand (SM)	41	250	36	100
B-4 @ 0-4’	Clayey Sand (SC)	30	300	30	150
B-5 @ 7.5’	Silty Sand w/ gravel (SM)	41	200	39	100
B-6 @ 5’	Clayey Sand (SC)	36	350	36	250
B-6 @ 10’	Silty Sand (SM)	38	150	33	50
B-7 @ 0-5’	Clayey Sand (SC)	28	350	28	200
B-7 @ 5’	Silty Sand (SM)	37	200	34	150
B-8 @ 5’	Silty Sand (SM)	38	350	35	200
B-8 @ 10’	Silty Sand (SM)	32	200	31	100

Expansion Index Test –Expansion Index test was performed on representative bulk soil samples from the surficial soils. The test results are presented in the table below. These values indicate that the subgrade soil in general has a very low potential for expansion.

Table No. 4, Expansion Index

Sample Location	Soil Classification	Expansion Index	Expansion Potential
B-4 @ 0-4’	Clayey Sand (SC)	7	Very Low

R-value Test –R-value tests were performed on representative bulk soil samples from upper 5 feet. The test results are presented in the table below. These values indicate that the subgrade soil in general has a low resistance to traffic loading.

Table No. 5, R-Value

Sample Location	Soil Classification	R-Value
B-2 @ 0-5’	Clayey Sand (SC)	19
B-4 @ 0-4’	Clayey Sand (SC)	22
B-10 @ 0-5’	Clayey Sand (SC)	18
B-13 @ 0-5’	Silty Sand (SM)	62

6.0 Faulting

6.1 Faulting

Based on the available geologic data, the site is not in a designated Alquist-Priolo Earthquake Fault Zone. The active Garlock Fault is located approximately eight miles to the northwest of the site, and the San Andreas Fault approximately 38 miles to the southwest

The potential for surface rupture at the site due to fault plane displacement propagating to the ground surface during the design life of the project is considered nil. An active fault is defined as one that has had surface displacement within Holocene time (about the last 11,000 years).

Although the site could be subjected to strong ground shaking in the event of an earthquake, this hazard is common in Southern California and the effects of ground shaking on the structures can be mitigated by proper engineering design and construction in conformance with latest version of California Building Code (CBC).

6.2 Seismic Coefficient

The site is located within the seismically active Southern California region. As a minimum, we recommend that the proposed structures be designed in accordance with the requirements of the latest edition of the California Building Code (CBC).

The structure may be designed to resist earthquake forces following the 2019 edition of California Building Code (CBC), which is based on the 2018 edition of the International Building Code (IBC). Based on the regional geologic maps and our subsurface investigation, the Site Classification, as defined in Section 1613.2.2 of the CBC, may be considered to be a Site Class D, Stiff Soil Profile.

The mapped maximum considered earthquake spectral response accelerations, Ss and S1, are obtained from Figures 1613.2.1(1) and 1613.2.1(2) from the CBC and are evaluated as 1.034 and 0.394 respectively. Site coefficients Fa and Fv of 1.086 and 1.7 respectively, may be used for the calculation of the spectral response accelerations, however given that S1 is greater than 0.2, based on ASCE 7-16 (Section 11.4.8), a site response analysis may be required. With the above coefficients however, spectral response accelerations **SMS** and **SM1** of 1.124g and 0.669g and **SDS** and **SD1** of 0.749 g and 0.446g may be used for a Site Class D.

The Design Maps Summary Report and Detailed Report are included in Appendix D.

7.0 Summary of Engineering Conclusions

7.1 Fault Rupture

The site is not located in an Alquist-Priolo Earthquake Fault Zone and the closest active fault is approximately eight miles away. The potential for fault rupture is considered to be nil.

7.2 Liquefaction

Liquefaction is defined as the phenomenon in which a soil mass due to the development of excess pore pressures, suffers a substantial reduction in its shear strength. During earthquakes, excess pore pressures may develop in saturated soil deposits as a result of induced cyclic shear stresses, resulting in liquefaction. Soil liquefaction occurs in submerged fine granular soils during or after strong ground shaking. Based on the depth to groundwater determined in the Groundwater Data Library of the Department of Water Resources, which is approximately 250 feet below ground surface, there is no potential for liquefaction at the site.

7.3 Slope Stability

The proposed substation site is located in flat terrain. The potential for slope stability is nil.

7.4 Expansive Soils

The on-site soils are primarily granular with expansion index of 7, which is considered “Very Low”. The mitigation of expansive soils will not be required.

7.5 Collapsible Soils

Collapsible soils are defined as soils with a potential for a significant decrease in strength and increase in compressibility when wet or saturated (hydro-collapse). Collapsible soils typically consist of relatively sandy soils that exhibit a degree of cementation. Based on the results of our laboratory testing, we anticipate some collapse potential. However, the earthwork, removal and compaction recommendations presented in this report will assist in mitigating the collapse potential that may affect proposed development. Our professional opinion is that the collapse potential will be within tolerable limits following the implementation of the earth work.

8.0 Earthwork/Site Grading Recommendations

8.1 General

The following recommendations are based on DRAFT Site Development Plan dated April 26, 2022. These recommendations will need to be modified if the grading plan is significantly revised, and based on observation of the actual field conditions during grading.

This section contains the general recommendations regarding earthwork and site grading for the proposed development. These recommendations are based on the results of the field exploration, laboratory testing, and data evaluation as presented in the preceding sections.

Prior to the start of any earthwork, site should be cleared of all vegetation, roots, organic materials, and debris. The materials resulting from the clearing and grubbing operations should be removed from the site by the contractor and disposed at an SCE approved disposal facility.

8.2 Placement of Engineered Fill

Prior to placement of fill, all vegetation, debris and roots should be removed. The upper 12 inches of site native soils (outside of existing substation) should be over excavated and the resulting excavation bottom should be scarified to a minimum depth of 6 inches and re-compacted to a minimum 90 percent of laboratory maximum dry density in accordance with ASTM D1557.

Excavated site soils, free of deleterious materials, organics, and rock particles larger than three inches in the largest dimension, should be suitable for placement as compacted fill. Organic content of excavated and processed soils should not exceed 3 percent, based on the laboratory testing during construction.

The bottom of all excavations should be observed and approved by a geotechnical representative prior to placing fill. The approved bottom of the excavations should be scarified to a depth of at least 6 inches. The scarified soils should be moisture conditioned to within three percent of optimum moisture content and compacted to at least 90 percent of the laboratory maximum dry density to produce a firm and unyielding surface. Deeper excavation may be required to remove loose or disturbed soils, based on observations of the geotechnical representative.

All engineered fill should be placed on competent, scarified and compacted soils as determined by the soil engineer and in accordance with the specifications presented in this section.

Prior to compaction, fill materials should be thoroughly mixed and moisture conditioned where necessary, to within three percent of optimum moisture content. All fill placed within substation pad should be compacted to at least 90 percent (except where 95 percent is specified for structural fill) of the laboratory maximum dry density in accordance with the ASTM Standard D1557 test method.

At the time of the field investigation, in-situ moisture content of the upper few feet of native soils was lower than the optimum moisture, refer to the previous tables. Therefore, some moisture conditioning will be necessary prior to the material being placed as compacted fill. The amount of processing required for proper moisture conditioning at the site will depend on the seasonal variations in the in-situ moisture conditions, the depth of over-excavation, the equipment, and the processing method.

8.3 Excavation for Concrete Lined Channel

The Substation will be surrounded by a 62-foot-wide concrete lined channel with 2:1 side slopes. The bottom of the channel (flat portion) is 30 feet wide and the depth ranges from approximately 5 feet at the southeast side to 8.5 feet at the northeast side. The bottom and side walls of the excavation will expose dense to very dense clayey, silty sand. Overexcavation is not required unless determined by the geotechnical engineer. Excavation should be performed such not to disturb the bottom and the sites of the channel. Buckets with blades or plates could be used as opposed to buckets with teeth. Any fill placed alongside the channel should be compacted as recommended in this report.

8.4 Over-Excavation for Pavement Areas

In areas receiving asphalt concrete or PCC paving sections, including driveways, curbs and gutters, and other flatwork, the existing native soils should be over-excavated a minimum of 12 inches and replaced with properly compacted fill. The over-excavation should extend at least 12 inches beyond the pavement edges. The pavement sections (including asphalt concrete and aggregate base) should be placed on at least 12 inches of compacted fill, moisture conditioned as necessary, and compacted to at least 95 percent of the laboratory maximum dry density.

Prior to placing fill, the bottom of the excavations should be scarified an additional 6 inches and compacted to at least 90 percent of the maximum dry density in accordance with ASTM D1557.

8.5 Over-Excavation for Crushed Rock Areas

In areas receiving 4 inches of crushed rock, the existing native soils should be overexcavated a minimum of 12 inches and replaced with properly compacted fill. The crushed rock should be placed on at least 12 inches of compacted fill, moisture conditioned as necessary, and compacted to at least 90 percent of the laboratory maximum dry density.

Prior to placing fill, the bottom of the excavations should be scarified an additional 6 inches and compacted to at least 90 percent of the maximum dry density in accordance with ASTM D1557.

8.6 Over-Excavation for Structures

Overexcavation for structures supported on shallow footings should extend at least 3 feet below bottom of continuous/ pad footings and 3 feet outside of footing edges. The excavated soil should be compacted to minimum of 95 % of laboratory maximum dry density within 3 percent of optimum moisture content. Prior to placing fill, the bottom of the foundation excavations should be scarified an additional 6 inches and compacted to at least 90 percent of the maximum dry density in accordance with ASTM D1557.

8.7 Substation Subgrade Preparation

After completion of grading, any soils disturbed by grading or other construction activities should be scarified to 6 inches, moisture conditioned and re-compacted to at least 90 percent of laboratory maximum dry density.

8.8 Soil Shrinkage

The shrinkage of the on-site surficial soil would depend on, among other factors, the depth of overexcavation, degree of compaction achieved, grading method and equipment utilized. The soil shrinkage calculations below are for information only, the contractor should make his own assumptions for earthwork shrinkage estimates.

Table No. 6. Shrinkage Calculations

Boring No.	Soil Classification	Max Density (pcf)	In-Situ Density (pcf)	Shrinkage (+)/ Bulkage (-) (%)	
				(90%)	(95%)
B-4@ 2.5’	Clayey Sand (SC)	123.7	114.1	(-) 2.5	3.0
B-7@ 2.5’	Clayey Sand (SC)	123.2	107.0	3.6	9.4
B-10@ 2.5’	Clayey Sand (SC)	119.6	104.2	3.3	9.0
B-13@ 2.5’	Silty Sand (SC)	124.0	112.0	0	5.2

8.9 Temporary Excavations

All excavations should be designed and constructed in accordance with OSHA regulations. All applicable safety requirements and regulations, including OSHA (Section 1541.1, Appendix A) regulations, should be met. Temporary excavations for the channel could be made up to 4 feet in vertical height. Excavation over 4 feet should be sloped to 1:1, or as determined by the geotechnical engineer at the site.

If shoring is required to support temporary excavations, shoring system should be selected and designed by the contractor’s engineer. The selection of an excavation shoring system

for the proposed excavations depends on nature of site soils, depth of proposed excavation, and on existing foundations lateral distances, types, depths, and loadings of the adjacent structures among other parameters.

8.10 Site Drainage

Adequate positive drainage should be provided away from structures to prevent ponding and to reduce percolation of water into the foundation soils. According to the Site Development Plan, the proposed grade slopes 1% towards the east. Surface drainage should be directed to suitable non-erosive devices.

8.11 Backfilling of Existing Drainage Channels

All loose soil, vegetation, debris and roots should be removed. The upper 12 inches of site native soils should be over excavated and the resulting excavation bottom should be scarified to a minimum depth of 6 inches and re-compacted to a minimum 90 percent of laboratory maximum dry density in accordance with ASTM D1557. If existing drainage channel is within proposed structures, deeper over excavation is required as recommended in previous sections.

The scarified soils should be moisture conditioned to within three percent of optimum moisture content and compacted to at least 90 percent of the laboratory maximum dry density.

Deeper excavation may be required to remove loose or disturbed soils, based on observations of the geotechnical representative.

8.12 Trench Backfill

All utility trenches should be backfilled and compacted to 90 percent relative compaction per ASTM D1557-91, depending on the compaction of the area the trench traverses.

Jetting or flooding of backfill materials should not be permitted. A representative of SCE should observe and test trench backfill as they are placed. In backfill areas where mechanical compaction of soil backfill is impractical due to space constraints, the space may be backfilled with pea gravel, or a two-sack mix of sand-cement slurry as approved by the city.

If rock and / or pea gravel is used as backfill, the material should be placed in lifts and mechanically densified. Rock/ gravel should be separated from the on-site soils by a suitable filter fabric (Mirafi 140N or equivalent).

9.0 Design and Construction Recommendations

9.1 General Evaluation

The various design recommendations provided in this section are based on the assumption that the earthwork and grading recommendations presented in this letter will be implemented in preparing the site.

The proposed structures may be supported by shallow spread footings or drilled piers. Design recommendations for foundations are presented below.

9.2 Shallow Spread Footing Design Parameters

Footings should be placed on at least 18 inches of compacted fill, as recommended in the grading section, compacted to a minimum 95 percent, and extending at least 18 inches beyond the edge of the footings. An allowable net vertical bearing pressure for 18-inch-wide footings with minimum embedment of 18 inches below adjacent grade is 2,500 pounds per square foot. The allowable bearing capacity may be increased by 500 psf for each additional foot of embedment depth, and 250 psf for each additional foot of width to a maximum value of 3,500 psf.

The net allowable bearing values indicated above are for the dead loads and frequently applied live loads and are obtained by applying a factor of safety of 3.0 to the net ultimate bearing capacity. The above vertical bearing value may be increased by 33 percent for short duration loadings, which will include loadings induced by wind or seismic forces.

9.3 Lateral Earth Pressures

The bearing values recommended above are for the total of dead and frequently applied live loads. Resistance to lateral loading may be provided by friction acting at the base of foundations and by passive earth pressure within the compacted fill. Passive earth pressure at the compacted fill surface is assumed to be zero and may be increased at the rate of 250 pounds per square foot per foot of embedment into compacted fill to a maximum value of 2500 psf.

When combining passive and friction for lateral resistance, the passive component should be reduced by one-third. A one-third increase may be used for wind and seismic loading conditions.

9.4 Drilled Cast-In-Place Piles

The following soil parameters may be used for the design of drilled pile foundations. These parameters are based on the boring logs information and laboratory testing.

Soil Layer	Depth to Layer, Bottom (ft)	Soil Classification	Dry Unit Weight (pcf)	Average Blow Count, N (blows/ft)	Cohesion, (psf)	Friction Angle (degrees)	Skin Friction (psf)	End Bearing (psf)
1	5	Clayey Sand (SC)	101	50	150	33	148	4000
2	10	Silty Sand (SM)	109	50	100	35	219	6500
3	15	Silty Sand (SM)	109	45	50	32	263	7500
4	20	Silty Sand (SM)	110	40	50	32	248	7500
5	25	Silty Sand (SM)	111	45	50	32	434	7500
6	30	Silty Sand (SM)	114	40	50	32	522	7500

We recommend cleaning the bottom of the drilled piles from loose soil by using a special clearing bucket.

Pile drilling and concrete placement should be performed in accordance with the recommendations presented in the Standards and Specifications of ADSC, An International Association of Foundation Drilling Contractors.

9.5 Mat Foundation

For design of mat foundations founded on granular fill, the following equation may be used to calculate the modulus of subgrade reaction, k:

$k = 300[(B+1)/2B]^2$
k = modulus of subgrade reaction, kips per cubic feet
B = foundation width, feet

Mat foundation should be placed on at least 18 inches of compacted fill, as recommended in the grading section, compacted to a minimum 95 percent, and extending at least 18 inches beyond the edge of the footings.

9.6 Slabs-On-Grade

The slabs-on-grade should be at least four inches thick. Care should be taken to avoid slab curling if slabs are poured in hot weather. Moisture sensitive slabs-on-grade should be protected by 10-mil polyethylene vapor barrier, installed per ACI 302 guidelines.

Subgrade for slabs-on-grade should be firm and uniform. All slab subgrade should be moisture-conditioned between optimum and two percent above optimum at subgrade soils prior to the placement of concrete. All loose or disturbed soils including under slab utility trench backfills should be recompacted prior to the placement of clean sand underneath the moisture barriers if utilized.

9.7 Soil Corrosivity Evaluation

Soil corrosivity was evaluated based on representative samples from borings within the upper 10 feet depth. Test results are included in Appendix B, and presented in the following table.

Table No. 7. Soil Corrosivity Test Results

Test Location	Soil Classification	Minimum Saturated Resistivity, ohm-cm	pH	Sulfate Content, ppm	Chloride Content, ppm
B-3 @ 10’	Silty Sand	935	9.3	74	244
B-4 @ 0-4’	Clayey Sand	3,496	9.2	18	21
B-6 @ 7.5’	Clayey Sand	2,126	9.3	77	47
B-7 @ 0-5’	Clayey Sand	1,752	9.3	40	40
B-11 @ 5’	Silty Sand	780	9.6	131	205

These tests are only an indicator of the soil corrosivity at the site. A corrosion expert should be consulted to further evaluate the corrosion potential for the onsite soils, and may suggest additional testing if needed, and to provide further recommendations for corrosion mitigation as applicable to the specific project and improvements.

9.8 Pavement Design

Pavement design recommendations are summarized in the following table, based Traffic Index (TI) of 5 and 7 and an R-value of 20. Analysis was based on Caltrans' design procedure for flexible and rigid pavement structural sections and Caltrans Pervious Pavement Design Guidance.

Table No. 8. Pavement Design Sections

R-Value	Facility Type	Traffic Index (TI)	Pavement Sections	
			Asphalt Concrete (inches)	Aggregate Base (inches)
Asphalt Concrete Pavement				
20	Driveways: inside substation	5.0	3.0	8.0
	Driveways: outside substation, laydown yard and staging yard	7.0	4.0	12.0

At or near the completion of grading, subgrade soil samples from compacted fill may need to be tested to re-evaluate the actual subgrade R-Value for final pavement design.

Base materials should conform with Section 200-2.2.2, "*Crushed Aggregate Base*," of the current Standard Specifications for Public Works Construction (SSPWC) and should be placed in accordance with Section 301.2 of the SSPWC. All base materials should be compacted to minimum 95 percent of laboratory maximum dry density.

The PCC material should confirm to Section 201 of the Specifications for Public Works Construction (SSPWC) and should be constructed in accordance with Section 302-6 of the SSPWC. Transverse and longitudinal joints should be provided.

Asphaltic concrete materials should conform to Section 203 of the SSPWC and should be placed in accordance with Section 302.5 of the SSPWC.

Class 2 aggregate base should be compacted to 95 percent of laboratory maximum dry density within 3 percent of optimum moisture content.

9.9 Settlement

Total settlement of the proposed structures placed on compacted fill, designed as recommended above, from structural load-induced settlements should be 3/4-inch or less. The differential settlement can be taken as equal to one half of the total settlement over a distance of 25 feet.

Laboratory testing shows relatively high consolidation ratio in boring 8. However, it is our opinion that the samples may be disturbed due to the pounding (hammering) on the samples as indicated by the very high blow counts.

9.10 Percolation

Two percolation borings were excavated for the percolation testing at the site to a depth of 5 feet below grade. Underlying soil consisted of slightly clayey and silty sand. Percolation tests results are provided in Appendix E, and the locations of the borings are shown on the Plate 1 in Appendix A.

The borings were presoaked immediately prior to the percolation testing, by filling the hole with 5 feet of water.

The Percolation test was performed at depths from 0 to 5 feet. The percolation rate was relatively fast (water dropped more than 12 inches in 30 minutes) therefore readings were taken every 10 minutes.

Eight readings were taken and the water being replenished subsequent to each reading interval. It was decided to terminate the test since the last few readings were virtually identical with near negligible changes in percolation rates as the test proceeded. The results of the tests are presented in Appendix E. Percolation Testing are summarized in the following table.

The measured percolation rates, shown below, were reduced in accordance with the County of Los Angeles guidelines (GS-200.1).

Table No. 9, Percolation Test Results

Perc Test No.	Zone of Percolation Below GS (ft)	Field Percolation Rate (inch/hr.) Preadjusted	Reduction Factor	Reduced Infiltration Rate (inch/hr.) Adjusted
PT-1	0 to 5	29	15.4	1.9
PT-2	0 to 5	40	15.2	2.6

9.11 Geotechnical Observation

Prior to construction, the SCE Project Manager for Construction or representative should contact SCE Geotechnical Group to coordinate field observations during construction.

The grading permits for the project should be obtained by the contractor. In the case that the permit was obtained prior to awarding the contractor, the contractor should be familiar with permit terms and conditions. The contractor should comply with the jurisdictional requirements of city and county prior to commencement of construction. The governmental agencies having jurisdiction over the project should be notified prior to beginning of construction. The contractor should be familiar with the inspection requirements of the SCE, reviewing agencies and the content of this report.

Grading observations, observations of excavation for substation structures, the re-working of the upper soils and excavation bottoms should be made by a representative of the SCE Geotechnical Group. Structural fill and backfill should be placed and compacted during continuous observation and testing. Footing excavations should be observed by the Soils Engineer/Engineering Geologist prior to placement of steel and concrete so that footings are founded on satisfactory materials and excavations are free of loose and disturbed materials. Continuous observation by the soils engineer or representative during construction allows for evaluation of the soil conditions as they are encountered, and allows the opportunity to recommend appropriate revisions where necessary.

As-built report, including compaction test results should be prepared by a soil engineer after completion of grading. The report shall include the description of project and compaction procedures, methods of in-place density testing and provide locations and results of density tests. Laboratory compaction test should be performed for each soil type to verify maximum dry density and optimum moisture content. The report should certify fill placement and compaction in accordance with project plans and this geotechnical report, based on continuous observations and test results.

10.0 Closure

This report has been prepared to aid in the evaluation of the site, prepare site grading recommendations and to assist the civil and structural engineers in the design of the proposed substation structures and associated foundations.

The final grading plan when become available should be reviewed by SCE Geotechnical

Engineering Group for compliance with the design recommendations.

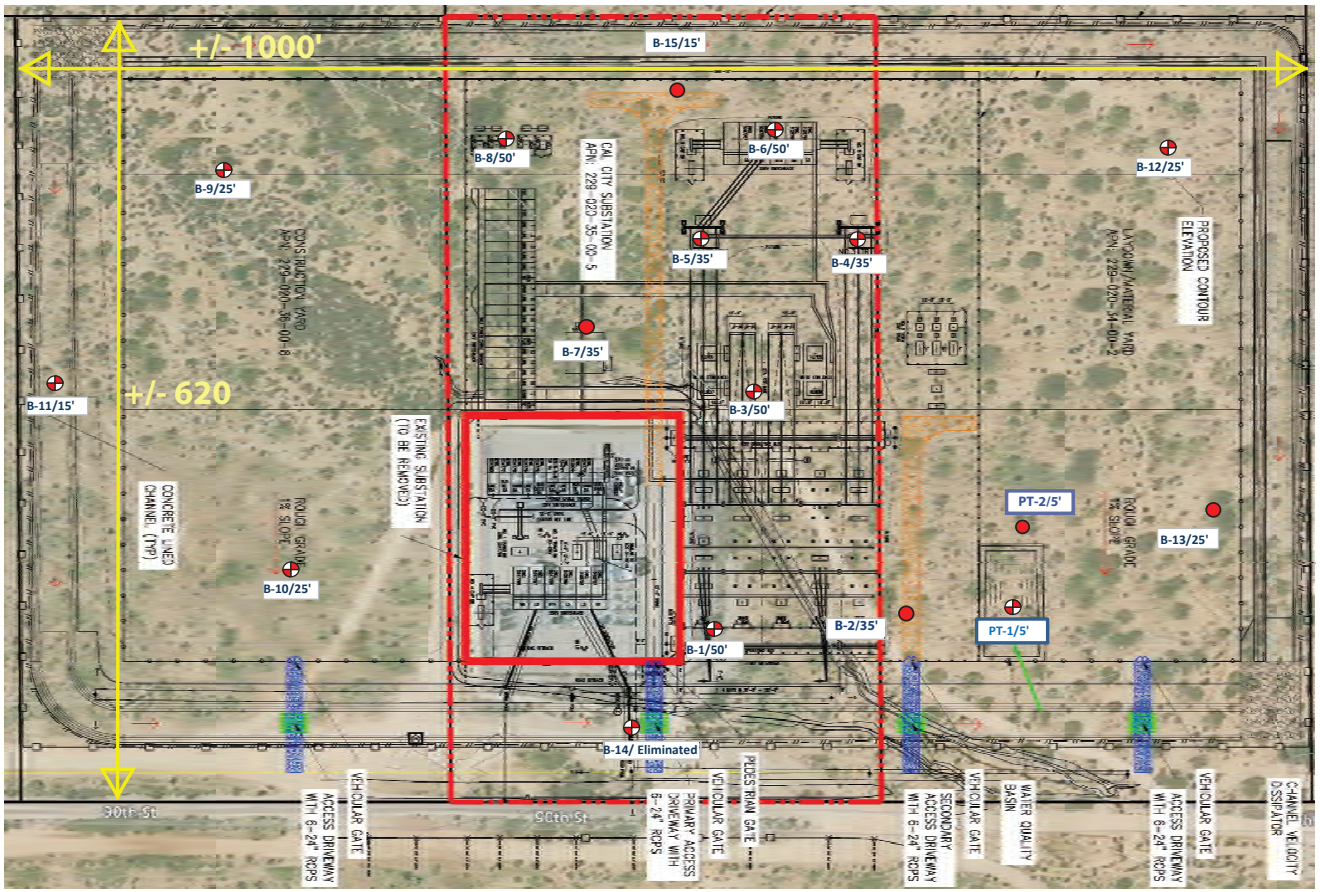
Recommendations presented herein, are based upon the assumption that adequate earthwork monitoring will be provided. Excavation bottoms should be observed, any imported fill materials should be tested and approved by SCE Geotechnical Engineer/Engineering Geologist prior to the delivery to the site. Structural fill and backfill should be placed and compacted during continuous observation and testing. Footing excavations and drilling for drilled pier foundations should be observed by SCE Geotechnical Engineer/Engineering Geologist prior to placement of steel and concrete so that footings are founded on satisfactory materials and excavations are free of loose and disturbed materials.

APPENDIX A

PLATES

Geotechnical Soilutions Inc.

Location Map
Plate 1



Geotechnical Legend

B-1/50' Approximate Location of Soil Borings and Depth

PT-1 Approximate Location of Percolation Test

Site & Boring Location Map

Cal City Substation, 115kV

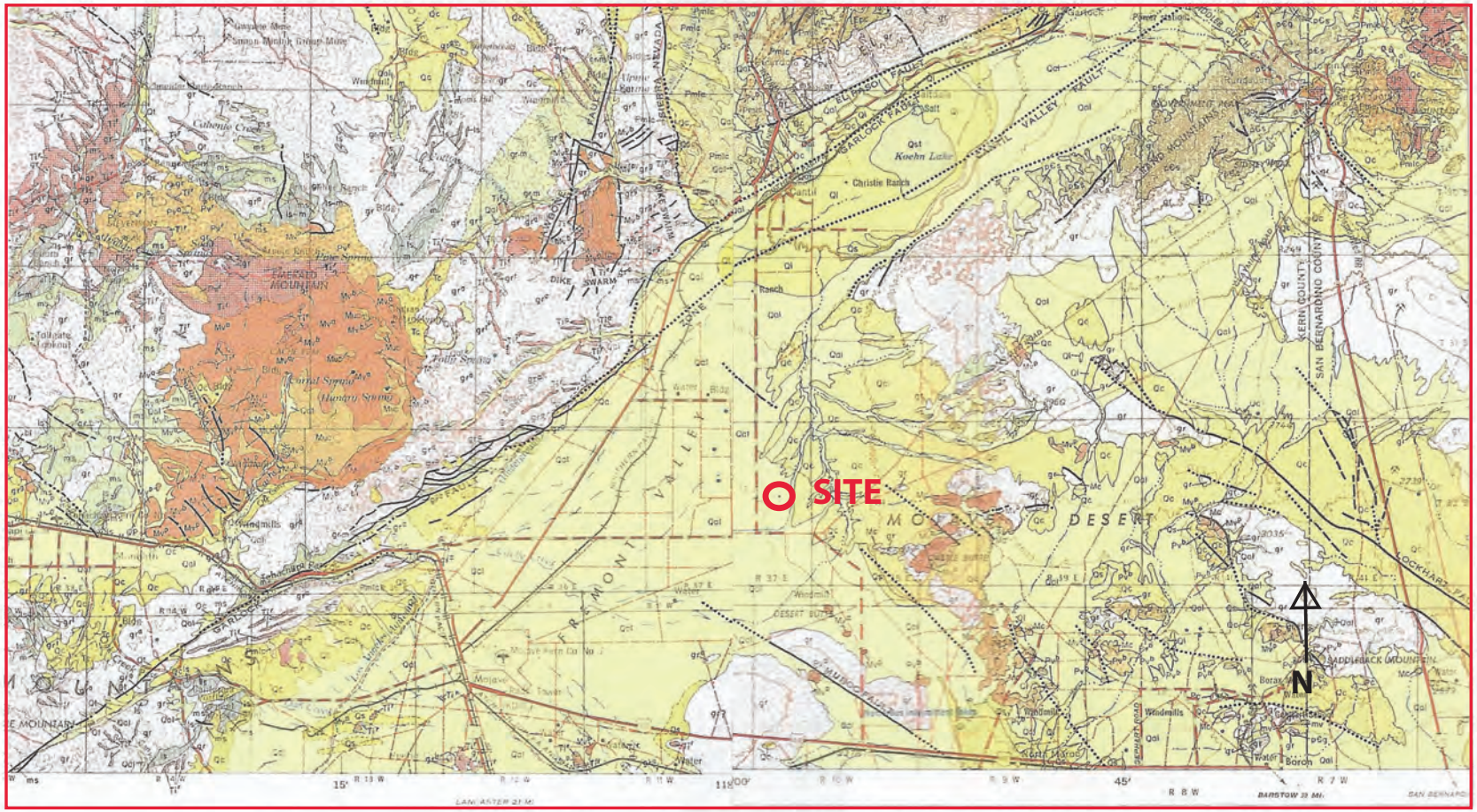
California City, Kern County, California

Geotechnical Soilutions Inc.

Plate No. 2

Bakersfield Sheet

Trona Sheet



Source: Geologic Map of California, Bakersfield and Torona Sheets
EXPLANATION:
Qa - Quaternary Alluvium

GEOTECHNICAL SOILUTIONS INC.

Cal City Substation
Geologic Map

Plate 3

APPENDIX B

FIELD EXPLORATION

Geotechnical Soilutions, Inc.

LOG OF BORING # B-1

Client: SCE	Boring No. 1	Sheet 1 of 2
Project No. GSI 21B01	Date:	12/1/2021
Location: California City Substation	Drilling Contractor:	2R
	Equipment:	Hollow Stem Auger
	Driving Weight:	140#
	Elevation:	
	Logged by:	TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf	Classification	Symbol	Visual Soil Description
0-									**0-46' Native: Alluvium**
	R			13/14/13	4.0	111.9	SC		Orange brown, clayey sand, fine to coarse, sl moist, medium dense
5-	R		Sieve	27/50-5.5"			SC		As Above, very dense
	R			33/40/50-5"	5.7	114.6			As above, caliche cementation
10-	R		Shear	37/45/50-5"	9.9	124.8	SC		As above, increase clay, very dense
15-	S		Sieve	18/16/10			SC		As above, trace cementation, medium dense
20-	R		Shear	14/19/26	3.1	107.7	SM		Orange brown, silty sand, fine to coarse grained, trace caliche slightly moist, dense
25-	S			8/10/13			SM		As above, medium dense
30-	R			29/31/31	2.0	119.5	SM		Yellowish gray, silty fine sand, slightly moist, dense

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-1

Boring No. 1	Sheet 2 of 2
Date:	12/1/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: HAS
Project No. 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf	Classification	Symbol	Visual Soil Description
30-	R			29/31/31	2.0	119.5	SM		Yellowish gray, silty fine sand, slightly moist, dense
35-	S			8/15/23					As Above, dense
40-	R			45/50-5"	2.0	114.8	SM		Orange brown, silty sand, fine to coarse with fine gravel slightly moist, very dense
45-	S			13/19/24			ML		Orange brown, sandy silt, caliche present, slightly moist, hard
50-									Boring terminated at 46' Slow Drilling @ 46' No water encountered Backfilled w/ cuttings
55-									
60-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-2

Boring No. 2	Sheet 1 of 2
Date:	12/1/2021
Drilling Contractor:	2R
Equipment:	Hollow Stem Auger
Driving Weight:	140#
Elevation:	
Logged by:	TGH

Client: SCE

Project No. GSI 21B01

Location: California City Substation

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0			R-value						**0-35' Native: Alluvium**
	R		Collapse	15/50-5.5"	4.0	118.9	SC		Orange brown, clayey sand, fine to coarse, sl. moist, very dense cemented with caliche
			Atterberg						
5	R		Shear	13/20/25	1.8	109.2	SC		As above, clayey sand sl. silty, less caliche, dry, dense
			Collapse						
	R			17/36/50	4.8	115.2	SM		Orange brown, silty sand, sl. moist, very dense
10	R			34/50-3"	9.6	119.1	SM		As above, trace fine gravel, heavy caliche, sl. moist, very dense
15	S			50-4"	4.7	99.5			As above
20	S			10/11/21			SM		As above, slightly less caliche, sl. moist, dense
25	R			22/50-6"	12.0	113.5			As above, heavy caliche, sl. moist, very dense
30	S			11/16/12			SM		As above, trace caliche, sl. moist, dense

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-2

Boring No. 2	Sheet 2 of 2
Date:	12/1/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: Hollow Stem Auger
Project No. 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
30-	S			11/16/12			SM		As above, trace caliche, sl. moist, dense
35-	R			21/33/50-5.5"			SM		As above, moderate caliche, sl. moist, very dense
									Boring terminated at 35'
									No water encountered
40-									Backfilled w/ cuttings
45-									
50-									
55-									
60-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-3

Boring No. 3	Sheet 1 of 2
Date:	12/1/2021
Drilling Contractor:	2R
Equipment:	HAS
Driving Weight:	140#
Elevation:	
Logged by:	TGH

Client: SCE

Project No. GSI 21B01

Location: California City Substation

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-									**0-50' Native: Alluvium**
	R			23/27/40	12.7	99.8	SC		Orange brown, clayey sand, trace fine gravel fine to coarse, moist, dense, cemented with caliche
5-	R		Shear	20/29/50	6.0	97.4	SC		Orange brown, silty and clayey sand
	R			50-5.5"	5.0	104.2	SM		Orange brown silty sand, sl. moist, very dense
10-	R		Corrosion	37/39/50-5"					As above
15-	S			16/30/50-5"			SM		Orange brown, silty sand, moderate caliche, sl. moist, very dense
20-	R			33/50-3"	5.5	104.8			As above, sl. moist, very dense
25-	S			34/50-5"					As above, very dense
30-	R			28/41/50-4.5	2.0	115.1	SM		As above, trace caliche, dry, very dense, fine gravel

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-3

Boring No. 3	Sheet 2 of 2
Date:	12/1/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: Hollow Stem Auger
Project No. 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
30-	R			28/41/50-4"	2.0	115.1	SM		As above, trace caliche, dry, very dense, fine gravel
35-	S			11/12/18			SM		As Above, heavy caliche, sl. moist, dense
40-	R			16/24/25	11.8	110.7	SM		As above, moist, dense
45-	S			14/10/12					As above, less caliche, sl. moist, med dense
50-	R			11/28/42					As above, trace caliche, sl. moist, dense
55-									Boring terminated at 50' No water encountered Backfilled w/ cuttings Slow Drilling at 40-50'
60-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-4

Boring No. 4	Sheet 1 of 2		
Date:	11/29/2021		
Drilling Contractor:	2R		
Client: SCE	Equipment:	Hollow Stem Auger	
Project No. GSI 21B01	Driving Weight:	140#	
Location: California City Substation	Elevation:		
	Logged by:	TGH/AK	

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-			Max R-value						**0-35' Native: Alluvium**
	R		Sieve Expan. Corrosion	20/30/50-5"	4.6	114.1	SC		Orange brown, clayey sand, trace fine gravel, some caliche cement, sl moist, very dense
5-	R		Atterberg	50-6"	8.8	73.0			As Above (Sample may be disturbed)
	R			45/50-5"	4.7	109.5			As above, more caliche cementation
10-	R		Sieve	16/18/24	2.0	99.7	SM		Orange brown silty sand, trace fine gravel with caliche, dry, dense
15-	R			21/39/50-5"	1.4	107.8			As above
20-	S			10/14/20			SM		As above, grain size fine to medium
25-				50-2.5"					No recovery
30-	S			11/15/20					As above

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-4

Boring No. 4	Sheet 2 of 2
Date:	11/29/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: Hollow Stem Auger
Project No. 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
30-	S			11/15/20					As above
35-	R			50-6"	3.8	107.8			As above, color change to brown
									Boring terminated at 35' No water encountered Backfilled w/ cuttings
40-									
45-									
50-									
55-									
60-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-5

Boring No. 5	Sheet 1 of 2		
Date:	11/30/2021		
Drilling Contractor: 2R			
Client: SCE	Equipment:	Hollow Stem Auger	
Project No. GSI 21B01	Driving Weight:	140#	
Location: California City Substation	Elevation:		
	Logged by:	TGH	

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-									**0-35' Native: Alluvium**
							SC		Orange brown, clayey sand, sl moist
			Atterberg						
5-	R		Sieve	39/50-4.5"			SC		As Above, heavy caliche cementation, very dense
	R		Shear	38/50-4.5"	5.9	102.6			As above, less cementation
10-	R		Sieve	27/24/25			SM		Orange brown silty sand, trace cementation, sl moist
15-	S			40/50-4.5"					As above, strong cementation
20-	R		Sieve	14/35/36					As above
25-	R			50-5.5"			SM		As above, fine gravel present
30-	S		Sieve	10/11/11			SM		Orange brown, silty sand with gravel, fine to coarse grain, sl moist, med dense, no cementation

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-5

Boring No. 5	Sheet 2 of 2
Date:	11/30/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: Hollow Stem Auger
Project No. 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
30-	S		Sieve	10/11/11			SM		Orange brown, silty sand with gravel, fine to coarse grain, sl moist, med dense, no cementation
35-	R			18/19/24					As Above
									Boring terminated at 35'
									No water encountered
									Backfilled w/ cuttings
40-									
45-									
50-									
55-									
60-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-6

Boring No. 6	Sheet 1 of 2
Date:	11/30/2021
Drilling Contractor:	2R
Equipment:	Hollow Stem Auger
Driving Weight:	140#
Elevation:	
Logged by:	TGH

Client: SCE

Project No. GSI 21B01

Location: California City Substation

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-							SC		**0-50' Native: Alluvium** Orange brown, clayey sand, sl moist
5-	R		Shear	50-6"	9.2	82.2	SC		As Above, fine gravel, caliche cementation, sl. moist very dense
	R		Corrosion	37/50-4"	3.7	108.0	SC		As above, more caliche cementation
10-	R		Shear	27/37/50	2.0	109.0	SM		Orange brown silty sand with caliche cementation
15-	R			18/24/37	2.6	107.7	SM		Gray, silty sand w/ gravel, fine to coarse grained, dry, dense, no cemetation (Sample may be disturbed)
20-	S		Sieve	11/13/21			SM		As above, minor caliche cementation
25-	R			50-6"			SM		As above, heavy caliche cementation
30-	S			11/15/19			SM		As above, no caliche present

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-6

Boring No. 6	Sheet 2 of 2
Date:	11/30/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: Hollow Stem Auger
Project No. 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
30	S			11/15/19			SM		As above, no caliche present
35	R			50-6"	8.6	94.8	SM		As Above, minor cementation, very dense
40	S			15/24/25			ML		Orange brown silt with trace sand, sl moist, hard
45	R			29/50-5.5"	9.2	107.0	SM		Orange brown silty sand w/ trace gravel, fine to coarse grained, minor caliche cementation, very dense
50	S			11/16/27			ML		Orange brown silt w/ trace sand, some caliche cementation, sl moist, hard
55									Boring terminated at 50' No water encountered Backfilled w/ cuttings
60									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-7

	Boring No. 7	Sheet 1 of 2	
	Date:	11/30/2021	
	Drilling Contractor:	2R	
Client: SCE	Equipment:	Hollow Stem Auger	
Project No. GSI 21B01	Driving Weight:	140#	
Location: California City Substation	Elevation:		
	Logged by:	TGH	

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-			Max Sieve						**0-35' Native: Alluvium**
-	R		Collapse	22/28/29	8.0	107	SC		Orange brown, clayey sand, heavy caliche cementation,
-			R-shear						sl moist, dense
-			Corrosion						
5-	R		Shear	43/50-0	7.2	110.2	SM		Orange brown, silty sand, heavy caliche cementation, sl moist,
-			Consol.						very dense
-	R		Sieve	15/27/27	7.2	110.5	SM		As above, dense
-									
-									
10-	R			28/50-4"	9.4	114.3	SM		As above, very dense, fine gravel present
-									
-									
-									
-									
15-	S			19/27/40					As above, no cementation,
-									
-									
-									
-									
20-	R			31/50-4.5"	9.8	121.4	SM		As above, heavy cementation, moist, very dense
-									
-									
-									
-									
25-	S			17/20/29					As above, less cementation, dense
-									
-									
-									
-									
30-	R			22/40/50-5"	8.6	105.8	SM		Orange brown, silty sand, fine grained, trace cementation,
									moist, very dense

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-7

Boring No. 7	Sheet 2 of 2
Date:	11/30/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: Hollow Stem Auger
Project No. 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
30-	S			22/40/50-5"	8.6	105.8	SM		Orange brown, silty sand, fine grained, trace cementation, moist, very dense
35-	S			8/12/12			ML		Orange brown, clayey silt, caliche cementation, moist, very stiff
									Boring terminated at 35'
									No water encountered
40-									Backfilled w/ cuttings
45-									
50-									
55-									
60-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-8

		Boring No. 8	Sheet 1 of 2
		Date:	11/30/2021
		Drilling Contractor:	2R
Client: SCE		Equipment:	Hollow Stem Auger
Project No. GSI 21B01		Driving Weight:	140#
Location: California City Substation		Elevation:	
		Logged by:	TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-									**0-50' Native: Alluvium**
	R			9/22/37	11.7	113.7	SC		Orange brown, clayey sand, caliche cementation, sl moist, dense
5-	R		Consol. Shear	15/50-6"	13.5	90.1	SM		Orange brown silty sand, caliche cementation, sl moist
	R		Consol.	27/46/50	4.8	113.4	SM		As above, very dense, heavy caliche cementation
10-	R		Shear Consol.	29/38/41	7.5	102.8	SM		As above
15-	S			15/19/26			SM		Orange brown, silty sand, fine grained, sl moist, dense, no cementation
20-	R			27/50-5.5"	6.5	107.2	SM		As above, fine gravel present, very dense
25-	S			27/29/28			SM		As above, heavy caliche cementation, dense
30-	R			21/34/40	3.2	110.1	SM		Orange brown, silty sand with fine gravel, fine to coarse grained, sl moist, very dense

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-8

Boring No. 8	Sheet 2 of 2
Date:	11/30/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: Hollow Stem Auger
Project No. 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
30-	R			21/34/40	3.2	110.1	SM		Orange brown, silty sand with fine gravel, fine to coarse grained, sl moist, very dense
35-	S			9/13/50			SM		Interbed sandy silt / silty sand, minor cementation, sl moist very stiff
40-	R			16/32/33			SM		Orange brown, silty sand, sl moist, dense
45-	S			8/13/11			ML		Orange brow, clayey silt, sl moist, heavy caliche cementation, very stiff
50-									Boring terminated at 45' due to slow drilling No water encountered Backfilled w/ cuttings
55-									
60-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-9

Boring No. 9	Sheet 1 of 1
Date:	12/1/2021
Drilling Contractor:	2R
Equipment:	Hollow Stem Auger
Driving Weight:	140#
Elevation:	
Logged by:	TGH

Client: SCE

Project No. GSI 21B01

Location: California City Substation

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-							SC		**0-25' Native: Alluvium** Orange brown, clayey sand, fine to coarse, trace gravel,
5-	R			28/37/41	3.8	120.1	SM		Orange brown, silty sand, fine to coarse, trace gravel, caliche cementation, sl moist, dense
	R			25/39/50-4"	9.1	127.3	SM		As above
10-	R			36/30/50			SM		As above, trace clay, caliche
15-	S			7/11/12			SM		As above, no clay or caliche present, sl moist, medium dense
20-	R			27/32/50-5"			SM		As above, very dense
25-	S			9/12/13			SM		As above, medium dense
30-									Boring Terminated at 25' No water encountered Backfill w/ cuttings

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-10

Boring No. 10	Sheet 1 of 1
Date:	12/1/2021
Drilling Contractor: 2R	
Client: SCE	Equipment: Hollow Stem Auger
Project No. GSI 21B01	Driving Weight: 140#
Location: California City Substation	Elevation:
	Logged by: TGH

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-									**0-25' Native: Alluvium**
	R		Max Sieve R-value	29/50-5.5"	9.4	104.2	SC		Orange brown, clayey sand, heavy caliche cementation, sl moist, very dense
5-	R			22/30/50-5"	2.8	113.7	SM		As above, less cementation, dry, very dense, no clay
	R			25/39/50-4"	7.8	115.6	SM		As above, very dense
10-	R			36/50-5"			SM		As above, heavy caliche cementation, very dense
15-	R			41/50-4.5"					As above, very dense
20-	S			15/23/31			SM		Yellow brown, silty sand, caliche cementation, hard, dense
25-	R			50-5.5"			SM		As above, silty sand, very dense
									Boring Terminated at 25'
									No water encountered
									Backfill w/ cuttings
30-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-11

Boring No. 11	Sheet 1 of 1
Date:	12/1/2021
Drilling Contractor:	2R
Equipment:	Hollow Stem Auger
Driving Weight:	140#
Elevation:	
Logged by:	TGH

Client: SCE

Project No. GSI 21B01

Location: California City Substation

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-									**0-15' Native: Alluvium**
							SC		Gray, clayey sand, heavy caliche cementation
5-	R		Corrosion	47/56-4"	6.0	96.4	SM		Gray, silty sand, heavy caliche cementation, sl moist, hard
	R			24/32/42	10.7	104.5	SM		Orange brown, silty sand, fine grained, caliche cementation, sl moist, very dense
10-	R			30/30/39			SM		As above, dense
15-	R			25/40/41			SM		As above, grain size change from coarse to fine, trace gravel
20-									Boring Terminated at 15' No water encountered Backfill w/ cuttings
25-									
30-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-12

Boring No. 12	Sheet 1 of 1
Date:	12/1/2021
Drilling Contractor:	2R
Equipment:	Hollow Stem Auger
Driving Weight:	140#
Elevation:	
Logged by:	TGH/AK

Client: SCE

Project No. GSI 21B01

Location: California City Substation

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-									**0-25' Native: Alluvium**
	R			15/23/27	2.9	116.9	SC		Orange brown, clayey sand, caliche cementation, dry, dense
5-	R			15/32/50-6"	7.4	114.3	SM		Orange brown, silty sand, caliche cementation, sl moist, very dense
	R			36/50-4"			SM		As above, color change to tan brown
10-	R			50-6"			SM		As above
15-	S			8/7/05					As above, loose
20-	R			50-6"			SM		As above, heavy caliche encountered, very dense
25-	S			12/15/23			SM		As above
									Boring Terminated at 25'
									No water encountered
30-									Backfill w/ cuttings

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-13

		Boring No. 13	Sheet 1 of 1
		Date:	11/29/2021
		Drilling Contractor:	2R
Client: SCE		Equipment:	Hollow Stem Auger
Project No. GSI 21B01		Driving Weight:	140#
Location: California City Substation		Elevation:	
		Logged by:	TGH/AK

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-									**0-25' Native: Alluvium**
			Sieve						
	R		Max	22/32/30	3.8	112.0	SM		Orange brown, silty sand, med to coarse grained w/ fine gravel,
			R-value						sl moist, very dense, caliche present
5-	R			21/39/43	4.8	111.6	SM		As above, color change to dark brown
	R			29/50-6"			SM		As above, heavy caliche encountered
10-	R			50-6"			SM		As above
15-	S			8/13/36			SM		As above
20-	R			33/48/50-3"			SM		As above
25-	S			29/50-5"			SM		As above
									Boring Terminated at 25'
									No water encountered
30-									Backfill w/ cuttings

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

Geotechnical Soilutions, Inc.

LOG OF BORING # B-15

		Boring No. 15	Sheet 1 of 1
		Date:	11/30/2021
		Drilling Contractor:	2R
Client: SCE		Equipment:	Hollow Stem Auger
Project No. GSI 21B01		Driving Weight:	140#
Location: California City Substation		Elevation:	
		Logged by:	TGH/AK

Depth in Feet	Drive Sample	Bag Sample	Lab. Testing	Blows per 6 inches	Moisture Content %	Dry Unit Weight (pcf)	Classification	Symbol	Visual Soil Description
0-									**0-15' Native: Alluvium**
	R			12/19/20	2.0	106.1	SM		Orange brown, silty sand, med to coarse grained, dry, very dense, trace caliche cementation
5-	R			50-6"	9.4	94.6	SM		As above, sl moist
	R			33/50-5"			SM		As above
10-	R			10/36/28			SM		As above
15-	S			23/30/21			SM		As above
									Boring Terminated at 15'
20-									No water encountered
									Backfill w/ cuttings
25-									
30-									

R-Ring Sample, SPT-Standard Penetration Test.

Note: SPT reading without liner.

APPENDIX C

LABORATORY TESTING

AP Engineering and Testing, Inc.
DBE|MBE|SBE
2607 Pomona Boulevard | Pomona, CA 91768
t. 909.869.6316 | f. 909.869.6318 | www.aplaboratory.com

MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/14/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-1	R	2.5	4.0	111.9
B-1	R	7.5	5.7	114.6
B-1	R	30	2.0	119.5
B-1	R	40	2.0	114.8
B-1	R	50	SAMPLE MISSING	

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/14/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-2	R	2.5	4.0	118.9
B-2	R	7.5	4.8	115.2
B-2	R	10	9.6	119.1
B-2	R	15	4.7	99.5
B-2	R	25	12.0	113.5

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/17/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-3	R	2.5	12.7	99.8
B-3	R	7.5	5.0	104.2
B-3	R	20	5.5	104.9
B-3	R	30	2.0	115.1
B-3	R	40	11.8	110.7

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/17/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-4	R	2.5	4.6	114.1
B-4	R	5	8.8	73.0
B-4	R	7.5	4.7	109.5
B-4	R	10	2.0	99.7
B-4	R	15	1.4	107.8
B-4	R	25	SAMPLE MISSING	
B-4	R	35	3.8	107.8

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/17/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-6	R	7.5	3.7	108.0
B-6	R	10	2.0	109.0
B-6	R	25	2.6	107.7
B-6	R	35	8.6	94.8
B-6	R	45	9.2	107.0

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/18/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-7	R	2.5	8.0	107.0
B-7	R	7.5	7.2	110.5
B-7	R	10	9.4	114.3
B-7	R	20	9.8	121.4
B-7	R	30	8.6	105.8

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/18/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-8	R	2.5	11.7	113.7
B-8	R	7.5	4.8	113.4
B-8	R	20	6.5	107.2
B-8	R	30	3.2	110.1
B-8	R	40	8.0	120.0

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/18/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-9	R	5	3.8	120.1
B-9	R	7.5	9.1	127.3

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/18/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-10	R	2.5	9.4	104.2
B-10	R	5	2.8	113.7
B-10	R	7.5	7.8	115.6

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/18/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-11	R	5	6.0	96.4
B-11	R	7.5	10.7	104.5

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/18/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-12	R	2.5	2.9	116.9
B-12	R	5	7.4	114.3

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/18/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-13	R	2.5	3.8	112.0
B-13	R	5	4.8	111.6

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MOISTURE AND DENSITY TEST RESULTS

ASTM D2216 and ASTM D7263 (Method B)

Client: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Lab No.: 21-1162
Test Date: 12/18/21

Boring No.	Sample Type	Sample Depth (ft.)	Moisture Content (%)	Dry Density (pcf)
B-15	R	2.5	2.0	106.1
B-15	R	5	9.4	94.6

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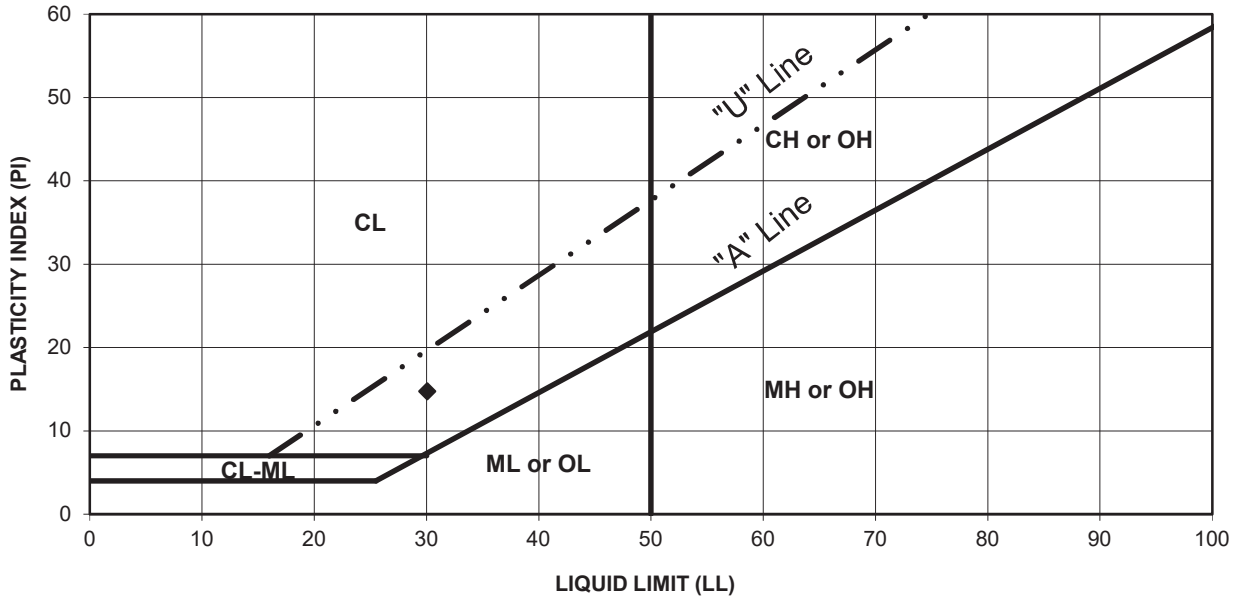
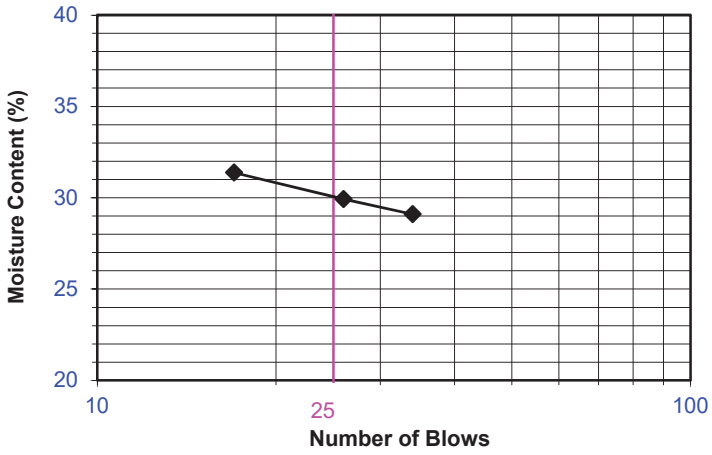
ATTERBERG LIMITS
ASTM D 4318

Client Name:	Geotechnical Soilutions Inc./SCE	Tested By:	DK	Date:	12/20/21
Project Name:	Cal City Substation	Computed By:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked By:	AP	Date:	12/23/21



PROCEDURE USED

- ☐ Wet Preparation
- ☒ Dry Preparation
- ☒ Procedure A Multipoint Test
- ☐ Procedure B One-point Test



Symbol	Boring Number	Sample Type	Depth (feet)	LL	PL	PI	Plasticity Chart Symbol
♦	B-2	R	5	30	15	15	CL

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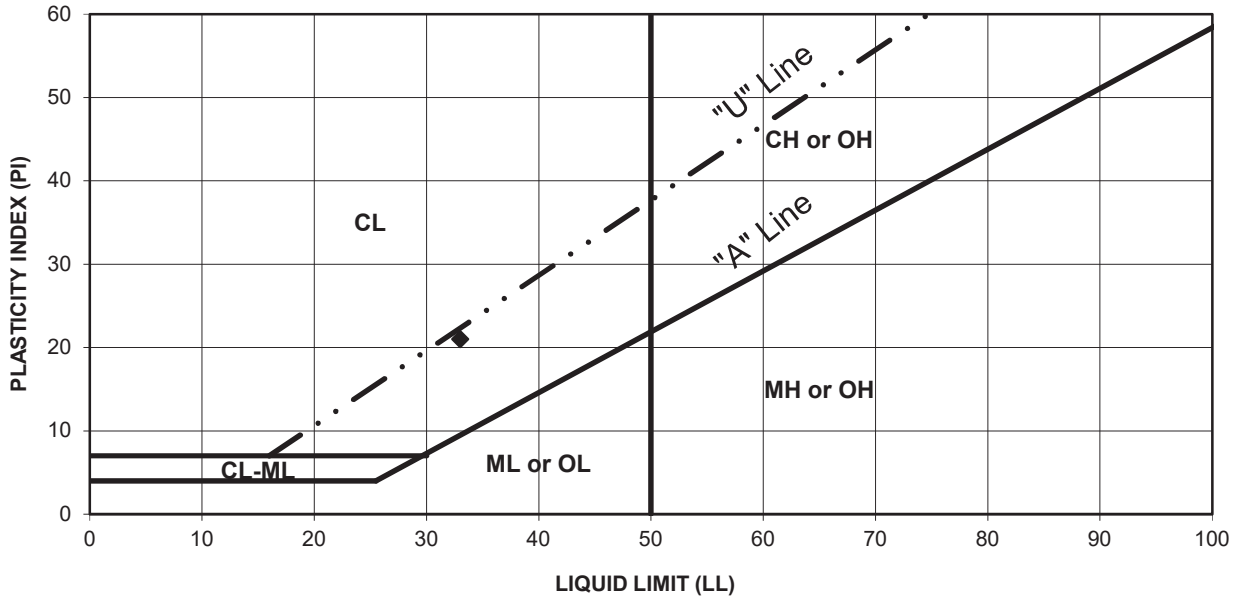
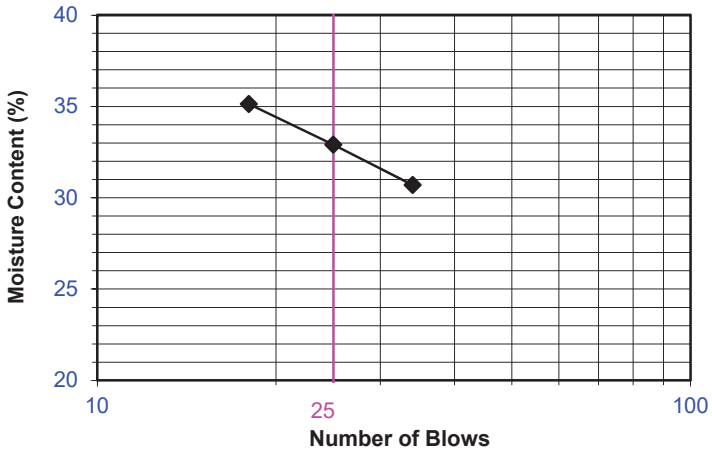
ATTERBERG LIMITS
ASTM D 4318

Client Name:	Geotechnical Soilutions Inc./SCE	Tested By:	DK	Date:	12/20/21
Project Name:	Cal City Substation	Computed By:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked By:	AP	Date:	12/23/21



PROCEDURE USED

- ☐ Wet Preparation
- ☒ Dry Preparation
- ☒ Procedure A Multipoint Test
- ☐ Procedure B One-point Test



Symbol	Boring Number	Sample Type	Depth (feet)	LL	PL	PI	Plasticity Chart Symbol
♦	B-4	B	0-4	33	12	21	CL

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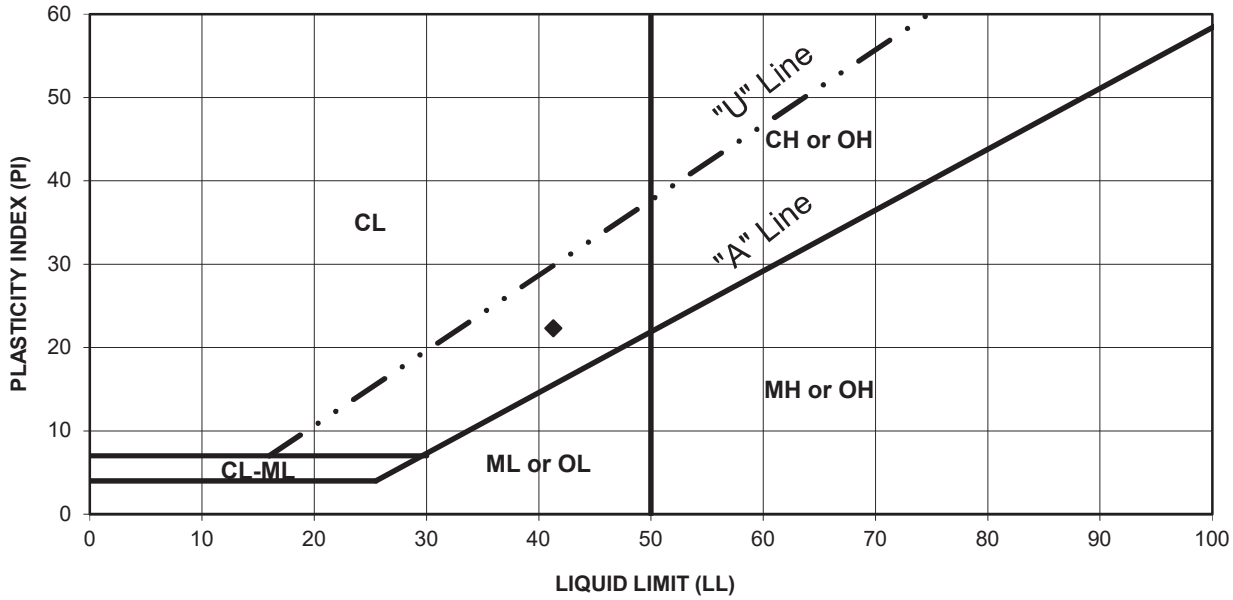
ATTERBERG LIMITS
ASTM D 4318

Client Name:	Geotechnical Soilutions Inc./SCE	Tested By:	DK	Date:	12/20/21
Project Name:	Cal City Substation	Computed By:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked By:	AP	Date:	12/23/21



PROCEDURE USED

- ☐ Wet Preparation
- ☒ Dry Preparation
- ☒ Procedure A Multipoint Test
- ☐ Procedure B One-point Test

Symbol	Boring Number	Sample Type	Depth (feet)	LL	PL	PI	Plasticity Chart Symbol
♦	B-5	R	5	41	19	22	CL

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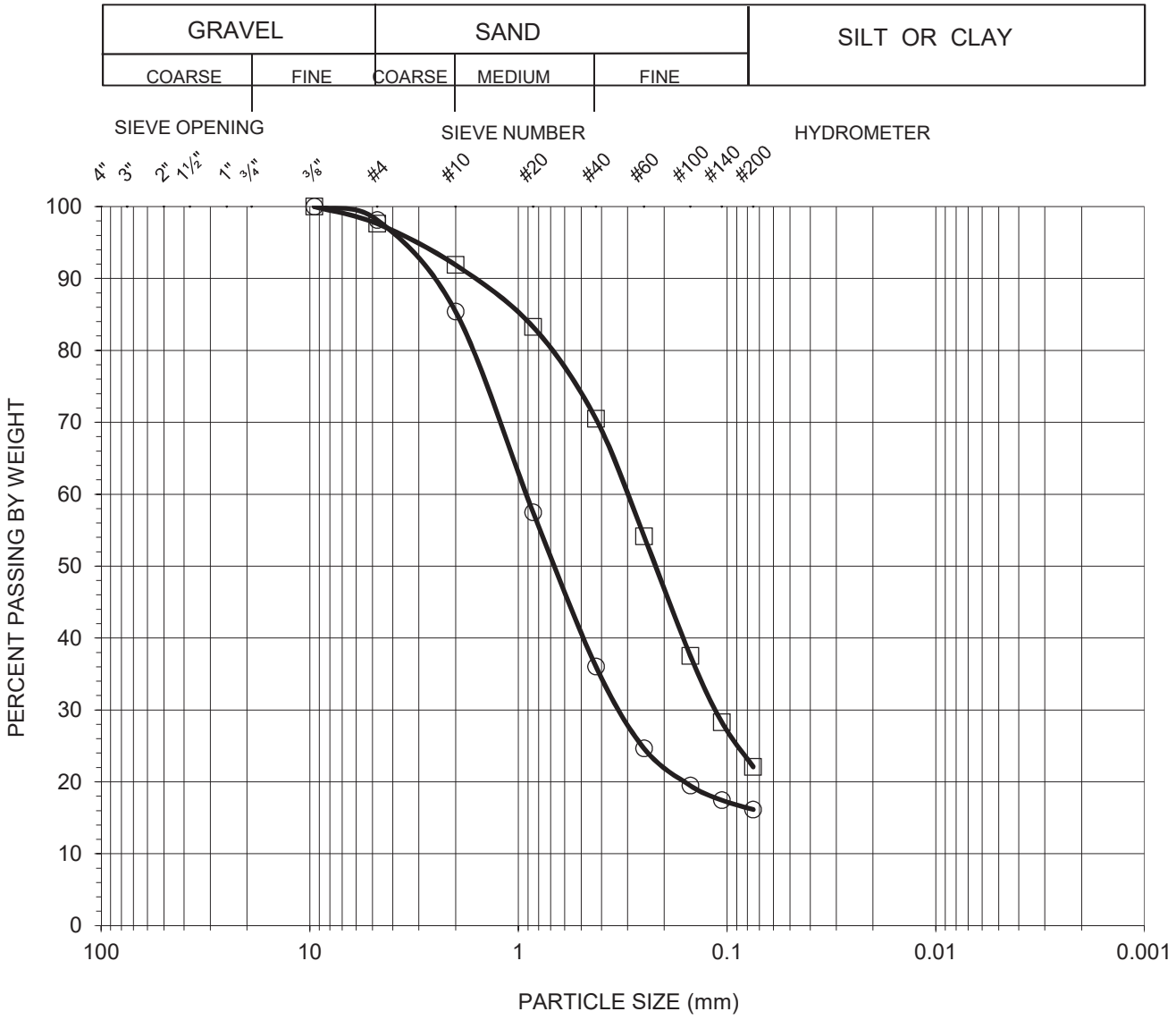
GRAIN SIZE DISTRIBUTION CURVE
ASTM D 6913

Client Name:	Geotechnical Soilutions Inc./SCE	Tested by:	TV	Date:	12/20/21
Project Name:	Cal City Substation	Computed by:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked by:	AP	Date:	12/23/21



Symbol	Boring No.	Sample Type	Sample Depth (feet)	Percent			Atterberg Limits LL:PL:PI	Soil Type U.S.C.S
				Gravel	Sand	Silt & Clay		
○	B-1	R	5	2	82	16	N/A	SC*
□	B-1	SB	15	2	76	22	N/A	SC*

**Note: Based on visual classification of sample*

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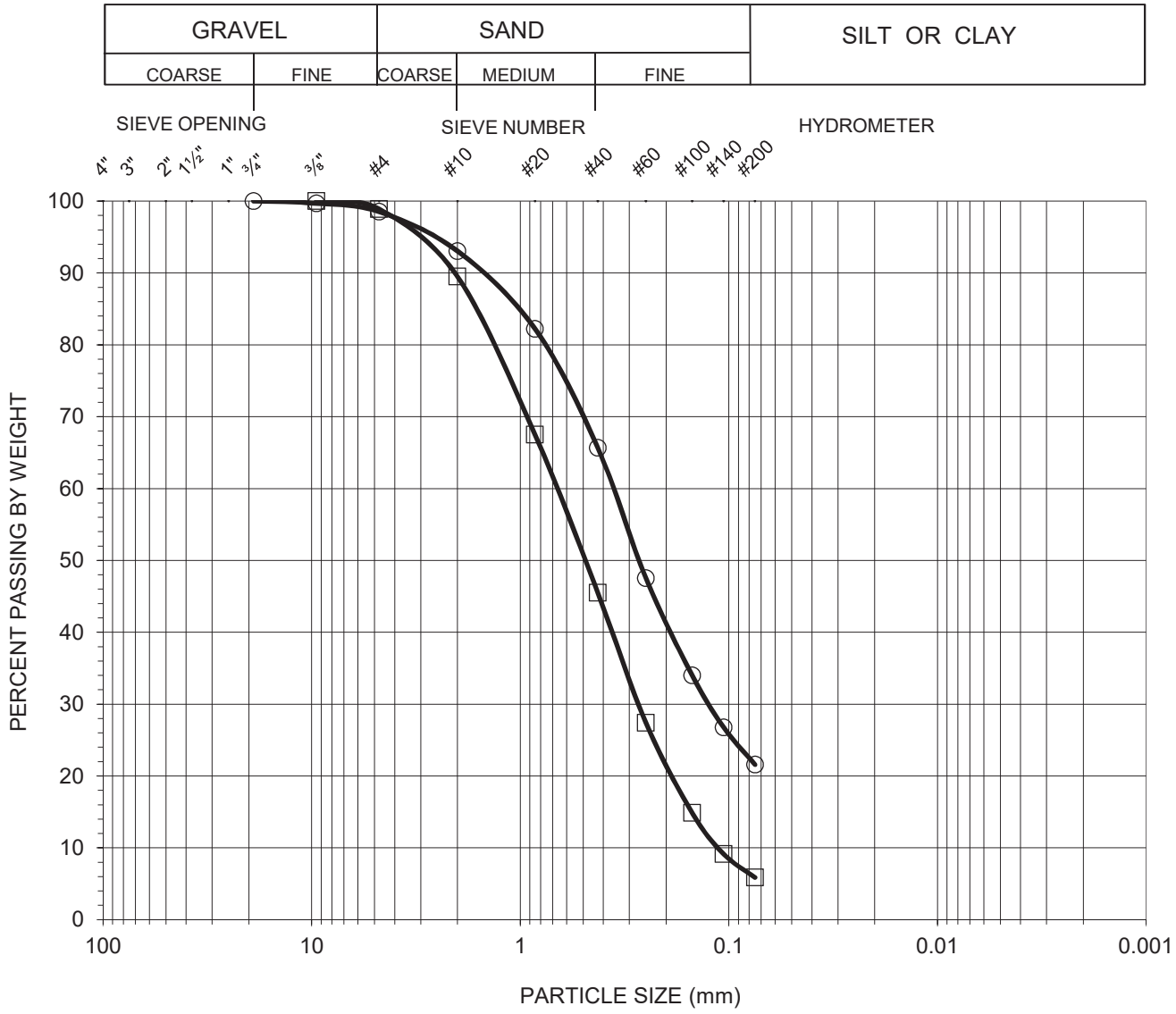
GRAIN SIZE DISTRIBUTION CURVE
ASTM D 6913

Client Name:	Geotechnical Soilutions Inc./SCE	Tested by:	TV	Date:	12/20/21
Project Name:	Cal City Substation	Computed by:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked by:	AP	Date:	12/23/21



Symbol	Boring No.	Sample Type	Sample Depth (feet)	Percent			Atterberg Limits LL:PL:PI	Soil Type U.S.C.S
				Gravel	Sand	Silt & Clay		
○	B-4	B	0-4	1	77	22	33:12:21	SC
□	B-4	R	10	1	93	6	N/A	SW-SM

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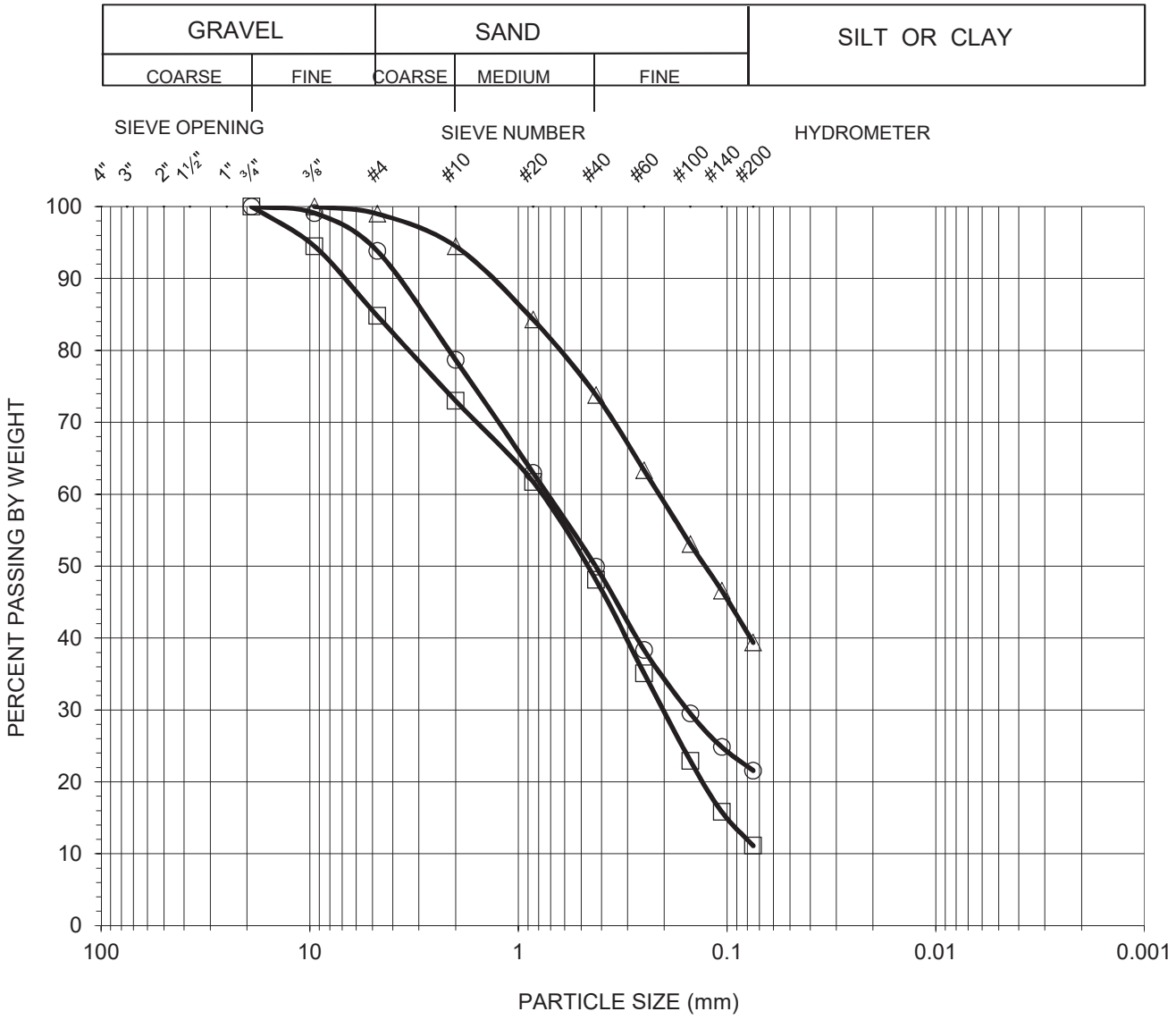
GRAIN SIZE DISTRIBUTION CURVE
ASTM D 6913

Client Name:	Geotechnical Soilutions Inc./SCE	Tested by:	TV	Date:	12/20/21
Project Name:	Cal City Substation	Computed by:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked by:	AP	Date:	12/23/21



Symbol	Boring No.	Sample Type	Sample Depth (feet)	Percent			Atterberg Limits LL:PL:PI	Soil Type U.S.C.S
				Gravel	Sand	Silt & Clay		
○	B-5	R	5	6	72	22	41:19:22	SC
□	B-5	R	10	15	74	11	N/A	SP-SM
△	B-5	SB	20	1	60	39	N/A	SM

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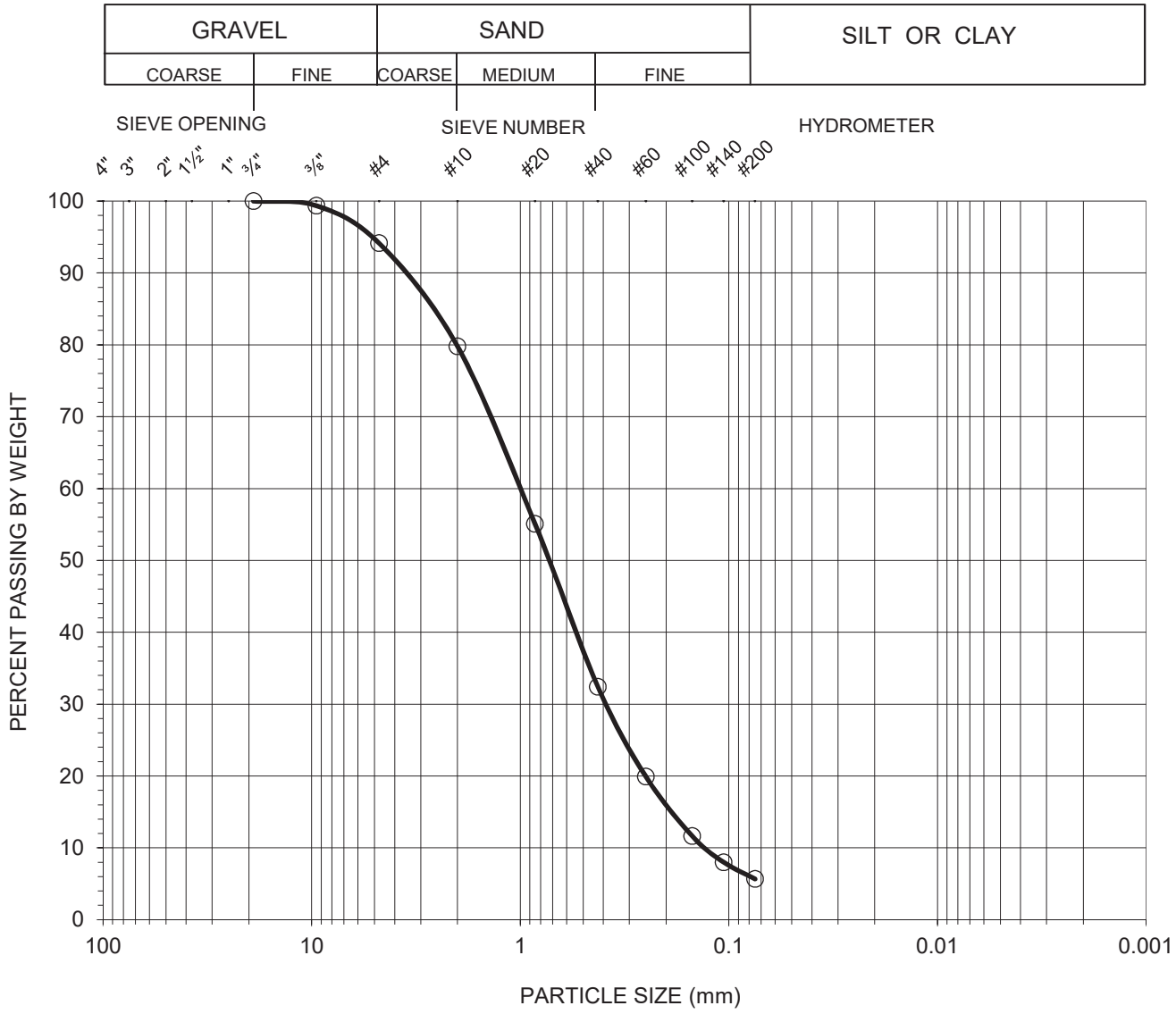
GRAIN SIZE DISTRIBUTION CURVE
ASTM D 6913

Client Name:	Geotechnical Soilutions Inc./SCE	Tested by:	TV	Date:	12/20/21
Project Name:	Cal City Substation	Computed by:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked by:	AP	Date:	12/23/21



Symbol	Boring No.	Sample Type	Sample Depth (feet)	Percent			Atterberg Limits LL:PL:PI	Soil Type U.S.C.S
				Gravel	Sand	Silt & Clay		
○	B-5	SB	30	6	88	6	N/A	SW-SM

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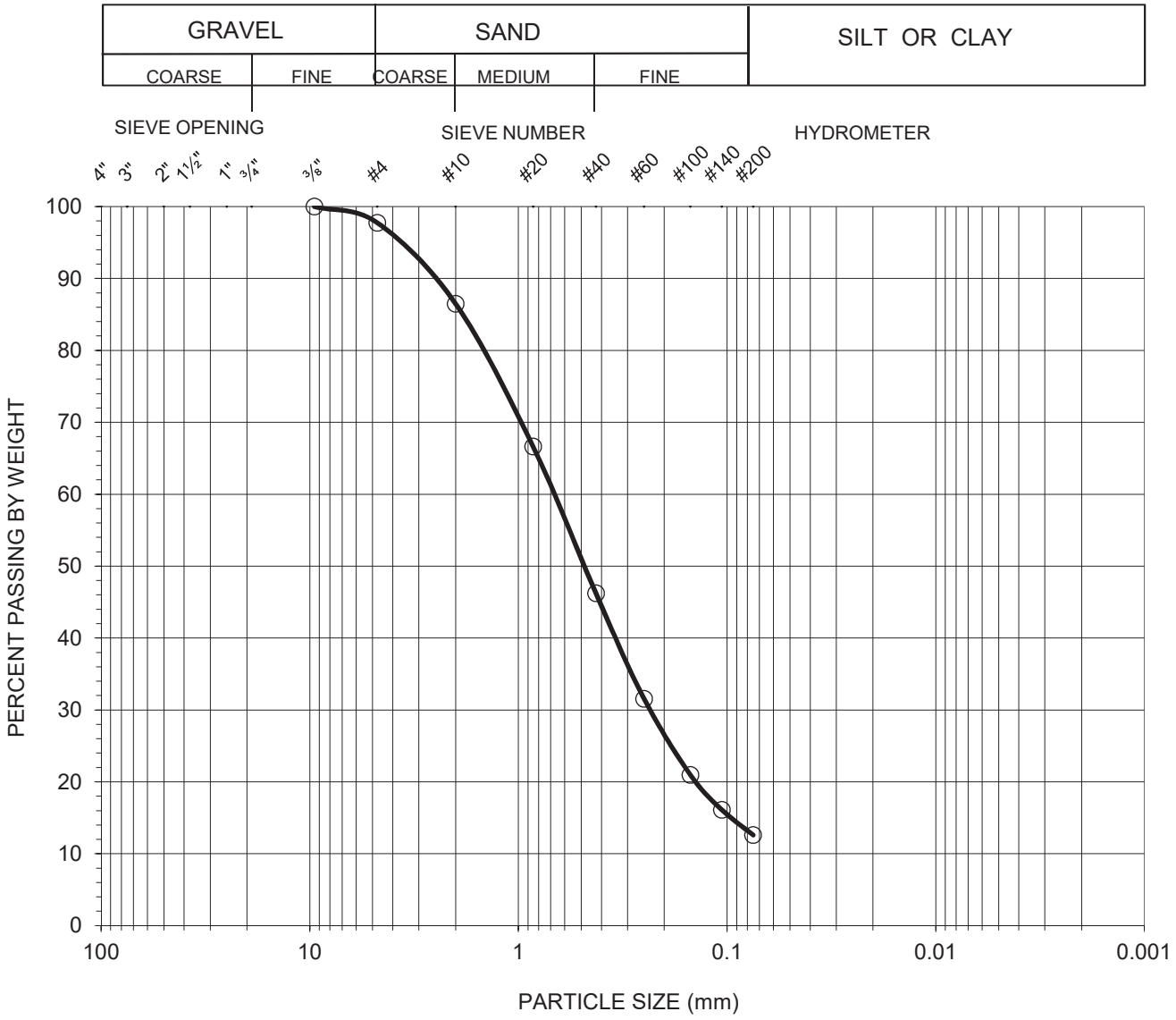
GRAIN SIZE DISTRIBUTION CURVE
ASTM D 6913

Client Name:	Geotechnical Soilutions Inc./SCE	Tested by:	TV	Date:	12/20/21
Project Name:	Cal City Substation	Computed by:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked by:	AP	Date:	12/23/21



Symbol	Boring No.	Sample Type	Sample Depth (feet)	Percent			Atterberg Limits LL:PL:PI	Soil Type U.S.C.S
				Gravel	Sand	Silt & Clay		
○	B-6	SB	20	2	85	13	N/A	SM

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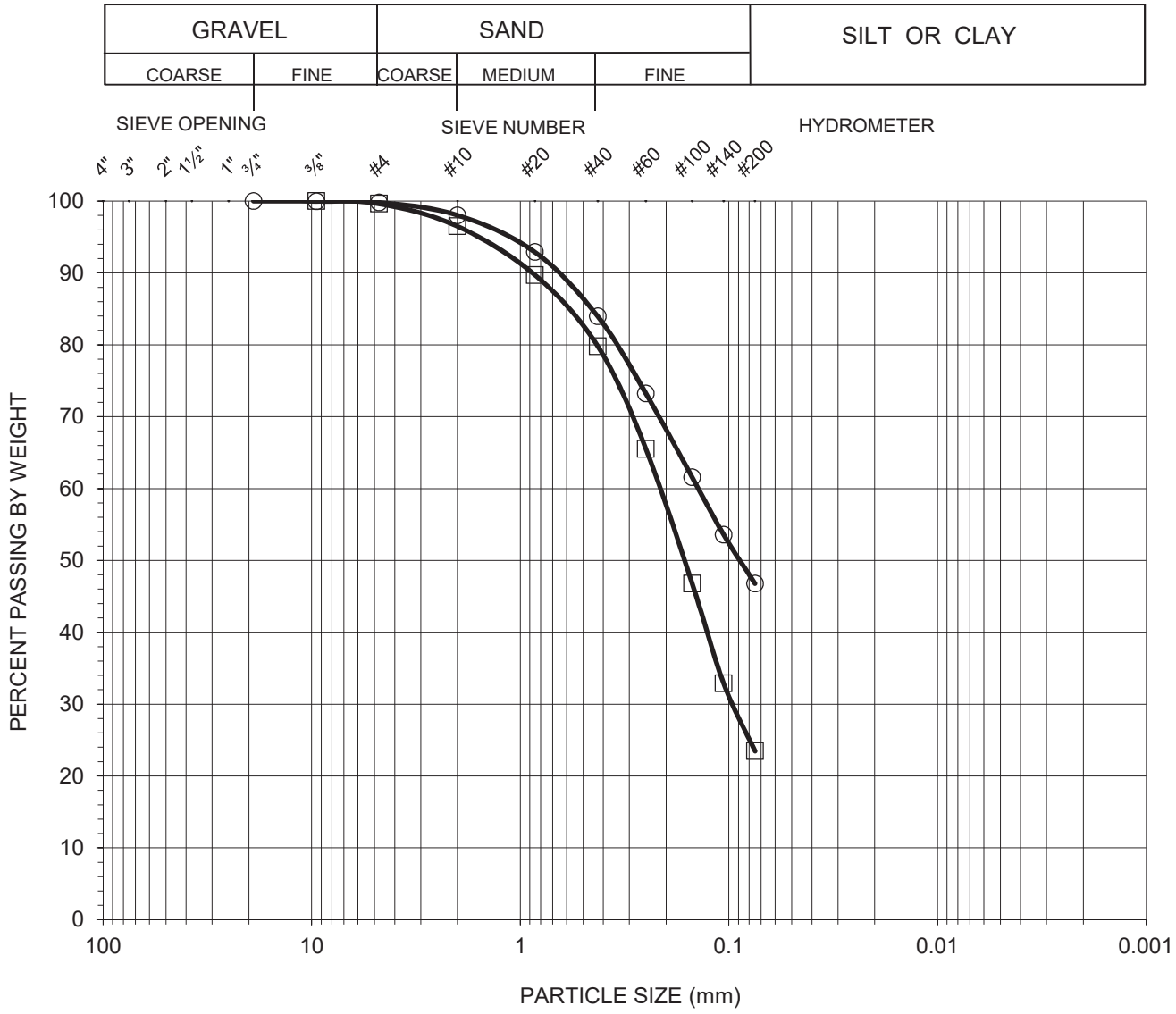
GRAIN SIZE DISTRIBUTION CURVE
ASTM D 6913

Client Name:	Geotechnical Soilutions Inc./SCE	Tested by:	TV	Date:	12/20/21
Project Name:	Cal City Substation	Computed by:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked by:	AP	Date:	12/23/21



Symbol	Boring No.	Sample Type	Sample Depth (feet)	Percent			Atterberg Limits LL:PL:PI	Soil Type U.S.C.S
				Gravel	Sand	Silt & Clay		
○	B-7	B	0-5	0	53	47	N/A	SC*
□	B-7	R	7.5	0	77	23	N/A	SM

**Note: Based on visual classification of sample*

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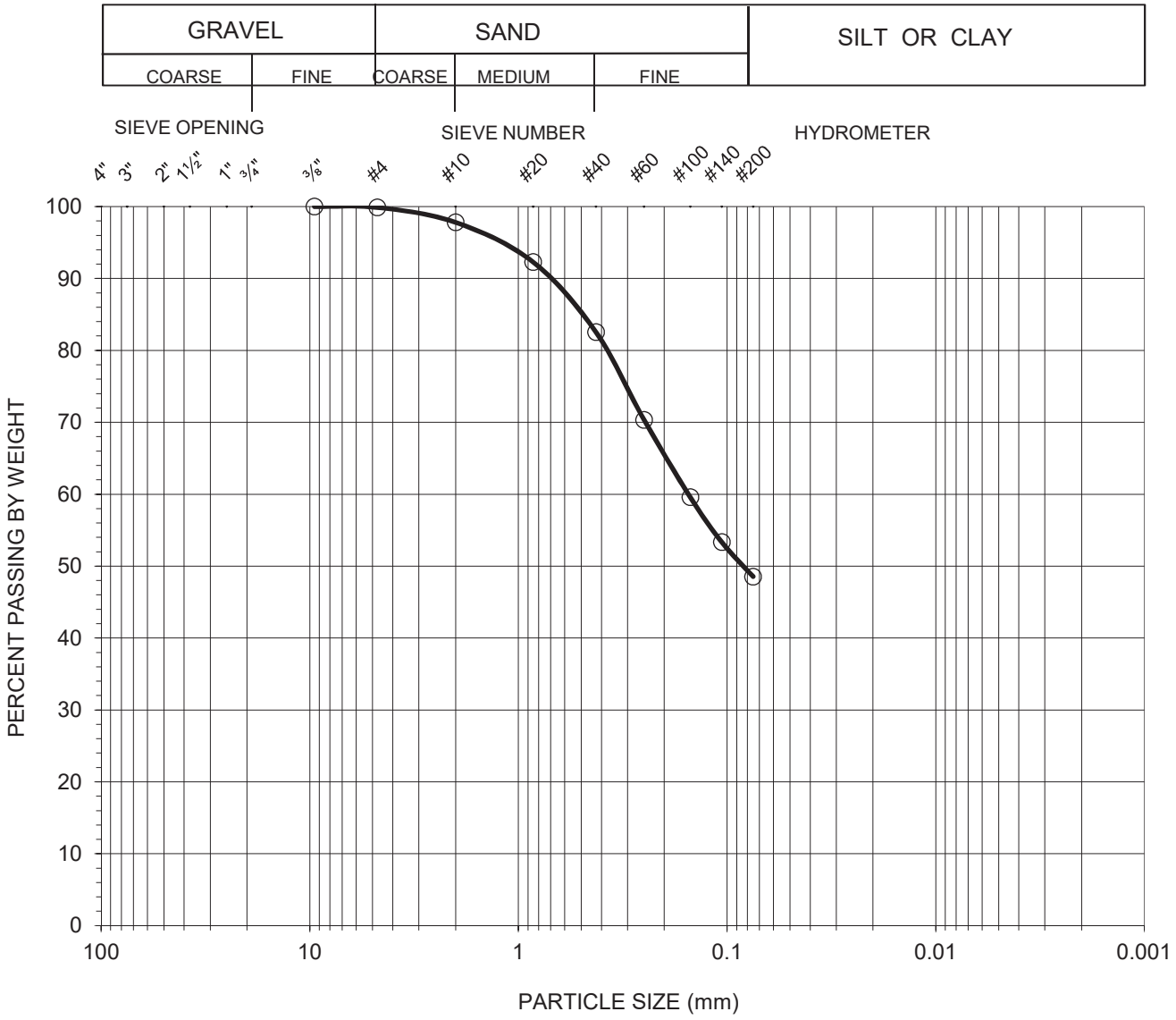
GRAIN SIZE DISTRIBUTION CURVE
ASTM D 6913

Client Name:	Geotechnical Soilutions Inc./SCE	Tested by:	TV	Date:	12/20/21
Project Name:	Cal City Substation	Computed by:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked by:	AP	Date:	12/23/21



Symbol	Boring No.	Sample Type	Sample Depth (feet)	Percent			Atterberg Limits LL:PL:PI	Soil Type U.S.C.S
				Gravel	Sand	Silt & Clay		
○	B-10	B	0-5	0	51	49	N/A	SC*

**Note: Based on visual classification of sample*

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GRAIN SIZE DISTRIBUTION CURVE
ASTM D 6913

Client Name:	Geotechnical Soilutions Inc./SCE	Tested by:	TV	Date:	12/20/21
Project Name:	Cal City Substation	Computed by:	NR	Date:	12/21/21
Project No.:	GS21B01	Checked by:	AP	Date:	12/23/21

Symbol	Boring No.	Sample Type	Sample Depth (feet)	Percent			Atterberg Limits LL:PL:PI	Soil Type U.S.C.S
				Gravel	Sand	Silt & Clay		
○	B-13	B	0-5	1	73	26	N/A	SM

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COMPACTION TEST

Client:	Geotechnical Soilutions Inc./SCE			AP Number:	21-1162
Project Name:	Cal City Substation	Tested By:	JT	Date:	12/17/21
Project No. :	GS21B01	Calculated By:	NR	Date:	12/20/21
Boring No.:	B-4	Checked By:	AP	Date:	12/23/21
Sample Type:	B	Depth (ft.):	0-4		
Visual Sample Description:	Clayey Sand				

		Compaction Method	[X] ASTM D1557
			[ ] ASTM D698
METHOD	A	Preparation Method	[ ] Moist
MOLD VOLUME (CU.FT)	0.0333		[X] Dry

Wt. Comp. Soil + Mold (gm.)	3802	3906	3910	3851		
Wt. of Mold (gm.)	1847	1847	1847	1847		
Net Wt. of Soil (gm.)	1955	2059	2063	2004		
Container No.						
Wt. of Container (gm.)	135.72	143.48	138.74	142.33		
Wet Wt. of Soil + Cont. (gm.)	352.41	387.43	520.48	588.18		
Dry Wt. of Soil + Cont. (gm.)	337.36	364.83	477.28	529.74		
Moisture Content (%)	7.46	10.21	12.76	15.08		
Wet Density (pcf)	129.30	136.18	136.44	132.54		
Dry Density (pcf)	120.32	123.56	121.00	115.17		

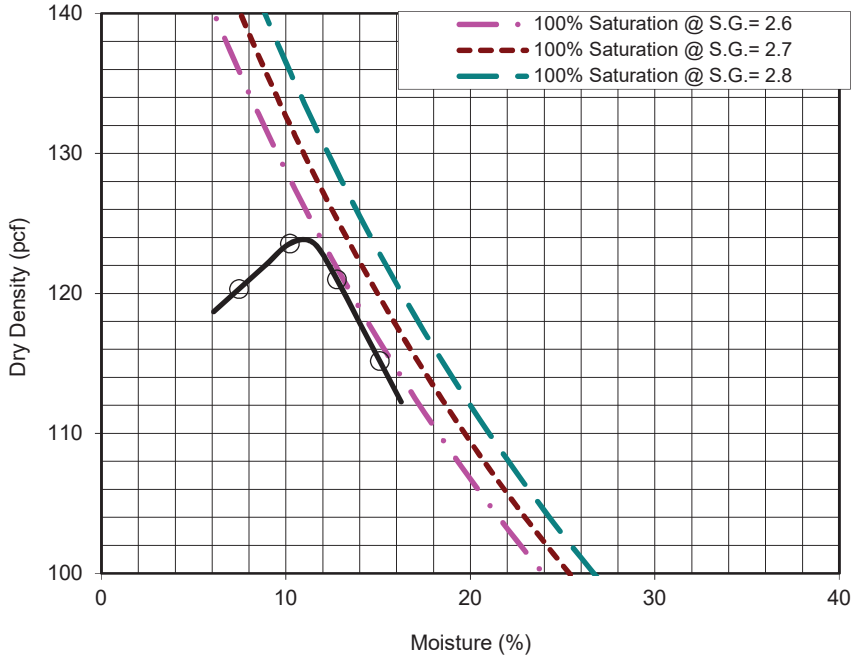
Maximum Dry Density (pcf)	**123.7**	Optimum Moisture Content (%)	**10.9**
Maximum Dry Density w/ Rock Correction (pcf)	**N/A**	Optimum Moisture Content w/ Rock Correction (%)	**N/A**

PROCEDURE USED

[X] *METHOD A: Percent of Oversize:* *1.9%*
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)

[ ] *METHOD B: Percent of Oversize:* *N/A*
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)

[ ] *METHOD C: Percent of Oversize:* *N/A*
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)



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COMPACTION TEST

Client: Geotechnical Soilutions Inc./ SCE — AP Number: 21-1162
Project Name: Cal City Substation — Tested By: DK — Date: 12/20/21
Project No. : GS21B01 — Calculated By: NR — Date: 12/20/21
Boring No.: B-7 — Checked By: AP — Date: 12/23/21
Sample Type: B — Depth (ft.): 0-5
Visual Sample Description: Clayey Sand

METHOD	A
MOLD VOLUME (CU.FT)	0.0333

Compaction Method: [X] ASTM D1557 [ ] ASTM D698
Preparation Method: [ ] Moist [X] Dry

Wt. Comp. Soil + Mold (gm.)	3899	3906	3785	3844		
Wt. of Mold (gm.)	1847	1847	1847	1847		
Net Wt. of Soil (gm.)	2052	2059	1938	1997		
Container No.						
Wt. of Container (gm.)	176.42	177.84	188.10	192.47		
Wet Wt. of Soil + Cont. (gm.)	446.49	411.52	460.57	453.61		
Dry Wt. of Soil + Cont. (gm.)	420.46	383.26	439.52	417.14		
Moisture Content (%)	10.67	13.76	8.37	16.23		
Wet Density (pcf)	135.71	136.18	128.17	132.08		
Dry Density (pcf)	122.63	119.71	118.27	113.63		

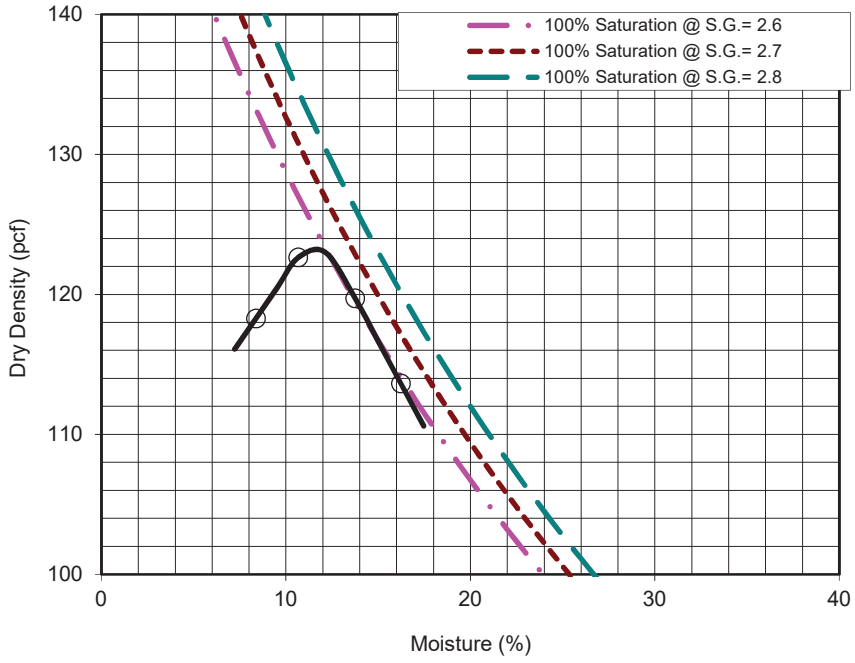
Maximum Dry Density (pcf): **123.2** — Optimum Moisture Content (%): **11.8**
Maximum Dry Density w/ Rock Correction (pcf): **N/A** — Optimum Moisture Content w/ Rock Correction (%): **N/A**

PROCEDURE USED

[X] *METHOD A: Percent of Oversize:* 0.3%
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)

[ ] *METHOD B: Percent of Oversize:* N/A
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)

[ ] *METHOD C: Percent of Oversize:* N/A
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)



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COMPACTION TEST

Client: Geotechnical Soilutions Inc./SCE — AP Number: 21-1162
Project Name: Cal City Substation — Tested By: SM — Date: 12/21/21
Project No. : GS21B01 — Calculated By: JP — Date: 12/22/21
Boring No.: B-10 — Checked By: AP — Date: 12/23/21
Sample Type: B — Depth (ft.): 0-5
Visual Sample Description: Clayey Sand

Compaction Method: [X] ASTM D1557 [ ] ASTM D698
Preparation Method: [ ] Moist [X] Dry

METHOD: A
MOLD VOLUME (CU.FT): 0.0333

Wt. Comp. Soil + Mold (gm.)	3853	3875	3823	3750		
Wt. of Mold (gm.)	1848	1848	1848	1848		
Net Wt. of Soil (gm.)	2005	2027	1975	1902		
Container No.						
Wt. of Container (gm.)	146.90	144.06	150.54	150.81		
Wet Wt. of Soil + Cont. (gm.)	559.39	644.26	587.58	625.27		
Dry Wt. of Soil + Cont. (gm.)	517.66	583.18	524.99	586.60		
Moisture Content (%)	11.26	13.91	16.72	8.87		
Wet Density (pcf)	132.61	134.06	130.62	125.79		
Dry Density (pcf)	119.19	117.69	111.91	115.54		

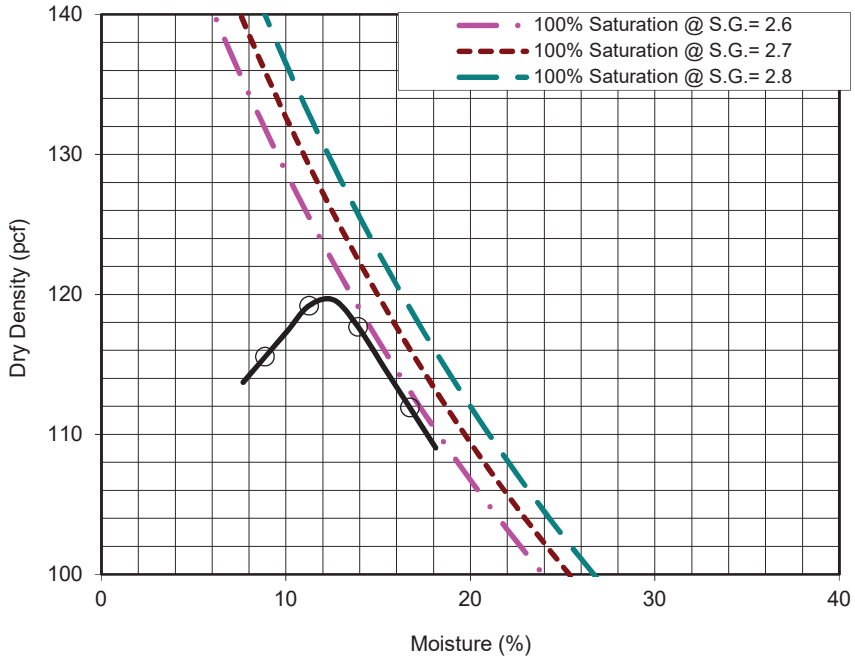
Maximum Dry Density (pcf): **119.6**
Maximum Dry Density w/ Rock Correction (pcf): **N/A**
Optimum Moisture Content (%): **12.3**
Optimum Moisture Content w/ Rock Correction (%): **N/A**

PROCEDURE USED

[X] *METHOD A: Percent of Oversize:* 0.3%
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)

[ ] *METHOD B: Percent of Oversize:* N/A
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)

[ ] *METHOD C: Percent of Oversize:* N/A
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)



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COMPACTION TEST

Client:	Geotechnical Soilutions Inc./SCE			AP Number:	21-1162
Project Name:	Cal City Substation	Tested By:	DK	Date:	12/21/21
Project No. :	GS21B01	Calculated By:	JP	Date:	12/22/21
Boring No.:	B-13	Checked By:	AP	Date:	12/23/21
Sample Type:	B	Depth (ft.):	0-5		
Visual Sample Description:	Silty Sand				

METHOD	A	Compaction Method	[X] ASTM D1557
MOLD VOLUME (CU.FT)	0.0333		[ ] ASTM D698
		Preparation Method	[ ] Moist
			[X] Dry

Wt. Comp. Soil + Mold (gm.)	3893	3970	3904	3781		
Wt. of Mold (gm.)	1847	1847	1847	1847		
Net Wt. of Soil (gm.)	2046	2123	2057	1934		
Container No.						
Wt. of Container (gm.)	219.88	182.04	187.22	163.72		
Wet Wt. of Soil + Cont. (gm.)	456.87	482.80	527.74	560.01		
Dry Wt. of Soil + Cont. (gm.)	441.32	456.49	491.83	541.72		
Moisture Content (%)	7.02	9.59	11.79	4.84		
Wet Density (pcf)	135.32	140.41	136.04	127.91		
Dry Density (pcf)	126.44	128.13	121.70	122.01		

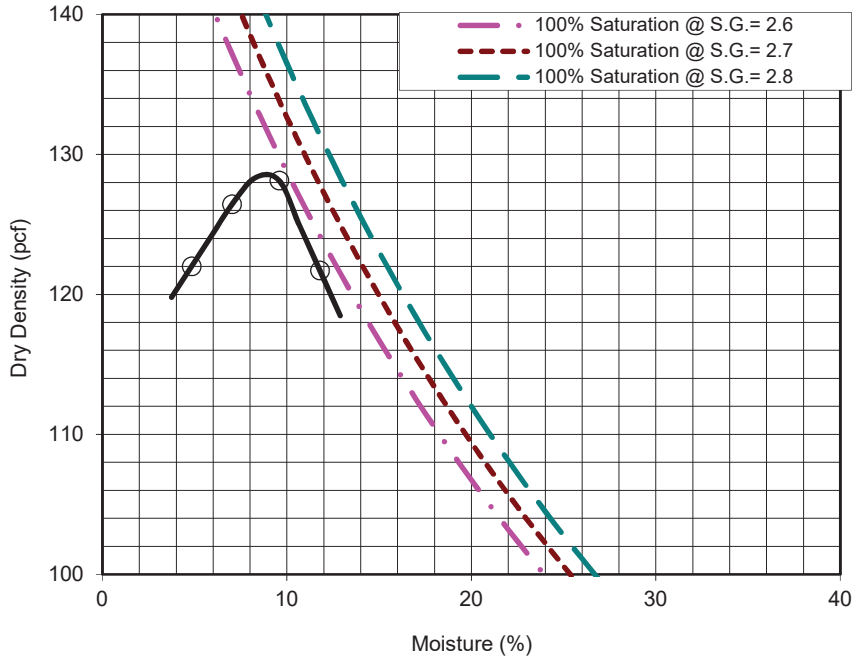
Maximum Dry Density (pcf)	**128.4**	Optimum Moisture Content (%)	**8.8**
Maximum Dry Density w/ Rock Correction (pcf)	**N/A**	Optimum Moisture Content w/ Rock Correction (%)	**N/A**

PROCEDURE USED

[X] *METHOD A: Percent of Oversize:* *0.4%*
Soil Passing No. 4 (4.75 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)

[ ] *METHOD B: Percent of Oversize:* *N/A*
Soil Passing 3/8 in. (9.5 mm) Sieve
Mold : 4 in. (101.6 mm) diameter
Layers : 5 (Five)
Blows per layer : 25 (twenty-five)

[ ] *METHOD C: Percent of Oversize:* *N/A*
Soil Passing 3/4 in. (19.0 mm) Sieve
Mold : 6 in. (152.4 mm) diameter
Layers : 5 (Five)
Blows per layer : 56 (fifty-six)



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CORROSION TEST RESULTS

Client Name: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Job No.: 21-1162
Date: 12/21/21

Boring No.	Sample No.	Depth (feet)	Soil Description	Minimum Resistivity (ohm-cm)	pH	Sulfate Content (ppm)	Chloride Content (ppm)
B-3	R	10	Silty Sand	935	9.3	74	244

NOTES: Resistivity Test and pH: California Test Method 643
Sulfate Content : California Test Method 417
Chloride Content : California Test Method 422
ND = Not Detectable
NA = Not Sufficient Sample
NR = Not Requested

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CORROSION TEST RESULTS

Client Name: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Job No.: 21-1162
Date: 12/21/21

Boring No.	Sample No.	Depth (feet)	Soil Description	Minimum Resistivity (ohm-cm)	pH	Sulfate Content (ppm)	Chloride Content (ppm)
B-4	B	0-4	Clayey Sand	3,496	9.2	18	21

NOTES: Resistivity Test and pH: California Test Method 643
Sulfate Content : California Test Method 417
Chloride Content : California Test Method 422
ND = Not Detectable
NA = Not Sufficient Sample
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CORROSION TEST RESULTS

Client Name: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Job No.: 21-1162
Date: 12/21/21

Boring No.	Sample No.	Depth (feet)	Soil Description	Minimum Resistivity (ohm-cm)	pH	Sulfate Content (ppm)	Chloride Content (ppm)
B-6	R	7.5	Clayey Sand	2,126	9.3	77	47

NOTES: Resistivity Test and pH: California Test Method 643
Sulfate Content : California Test Method 417
Chloride Content : California Test Method 422
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CORROSION TEST RESULTS

Client Name: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Job No.: 21-1162
Date: 12/21/21

Boring No.	Sample No.	Depth (feet)	Soil Description	Minimum Resistivity (ohm-cm)	pH	Sulfate Content (ppm)	Chloride Content (ppm)
B-7	B	0-5	Clayey Sand	1,752	9.3	40	40

NOTES: Resistivity Test and pH: California Test Method 643
Sulfate Content : California Test Method 417
Chloride Content : California Test Method 422
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CORROSION TEST RESULTS

Client Name: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Job No.: 21-1162
Date: 12/21/21

Boring No.	Sample No.	Depth (feet)	Soil Description	Minimum Resistivity (ohm-cm)	pH	Sulfate Content (ppm)	Chloride Content (ppm)
B-11	R	5	Silty Sand w/ traces of clay	780	9.6	131	205

NOTES:
Resistivity Test and pH: California Test Method 643
Sulfate Content : California Test Method 417
Chloride Content : California Test Method 422
ND = Not Detectable
NA = Not Sufficient Sample
NR = Not Requested

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EXPANSION INDEX TEST RESULTS

ASTM D 4829

Client Name: Geotechnical Soilutions Inc./SCE
Project Name: Cal City Substation
Project No.: GS21B01

AP Job No.: 21-1162
Date: 12/21/21

Boring No.	Sample Type	Depth (ft)	Soil Description	Molded Dry Density (pcf)	Molded Moisture Content (%)	Init. Degree Saturation (%)	Measured Expansion Index	Corrected Expansion Index
B-4	B	0-4	Clayey Sand	112.2	9.2	49.3	8	7

ASTM EXPANSION CLASSIFICATION

Expansion Index	Classification
0-20	V. Low
21-50	Low
51-90	Medium
91-130	High
>130	V. High

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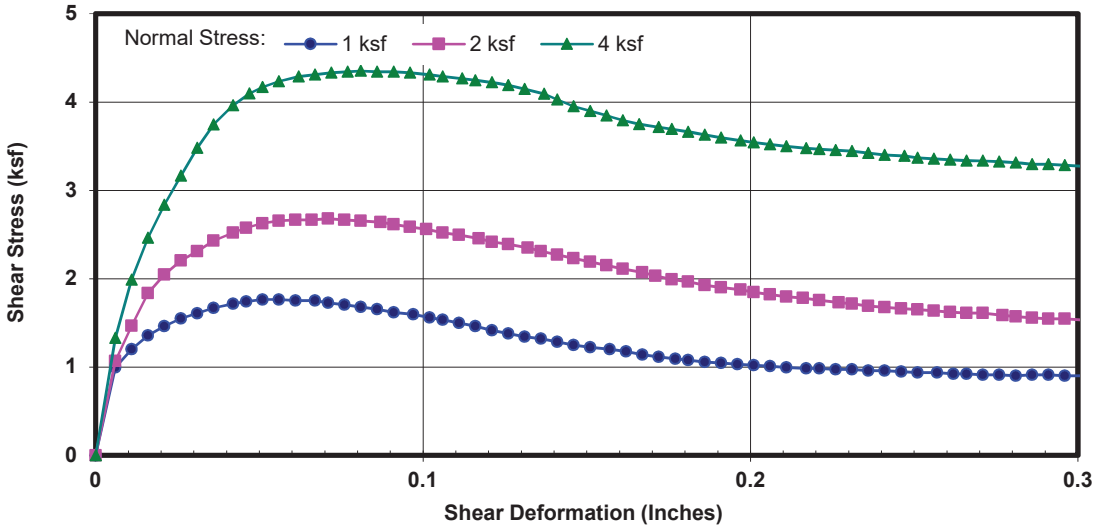
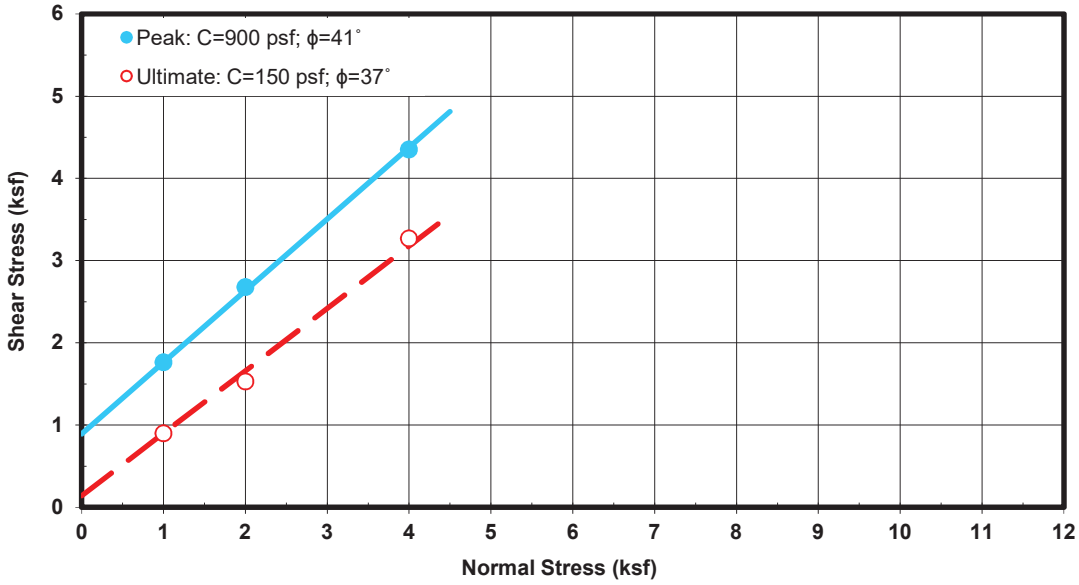
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/18/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-1				
Sample No.:	-	**Depth (ft):** 10			
Sample Type:	Mod. Cal.				
Soil Description:	Clayey Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
137.3	124.8	9.9	12.9	77	99	1	1.764	0.900
						2	2.680	1.531
						4	4.352	3.272





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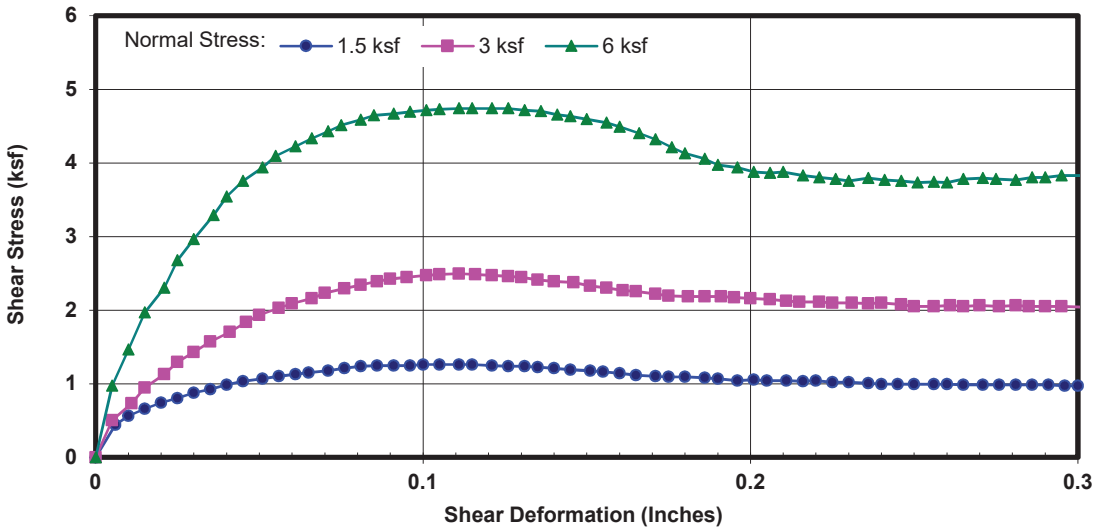
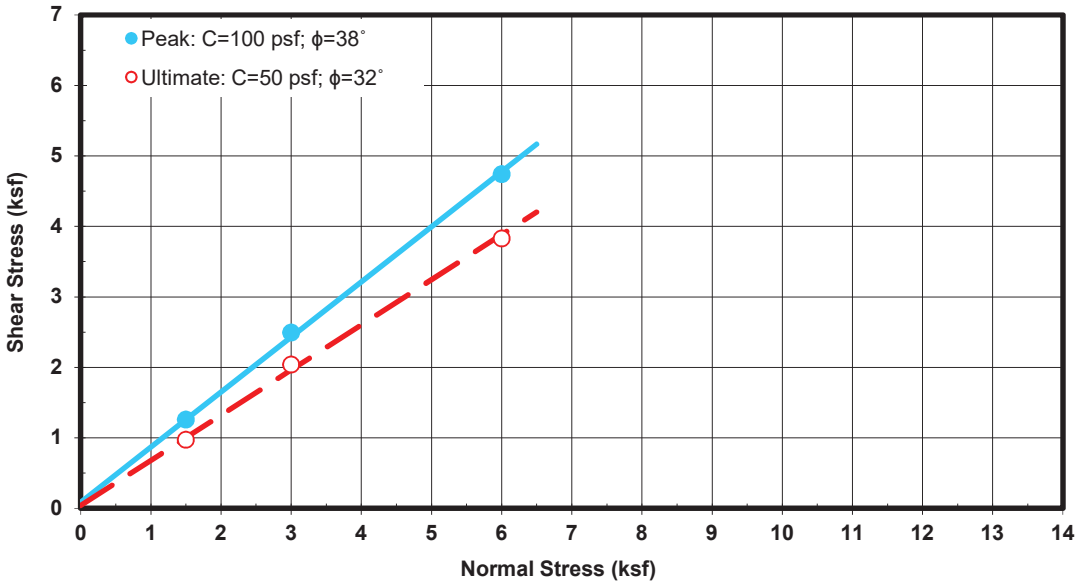
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/17/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-1				
Sample No.:	-	**Depth (ft):** 20			
Sample Type:	Mod. Cal.				
Soil Description:	Silty Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
111.0	107.7	3.1	19.1	15	91	1.5	1.260	0.972
						3	2.496	2.040
						6	4.740	3.828





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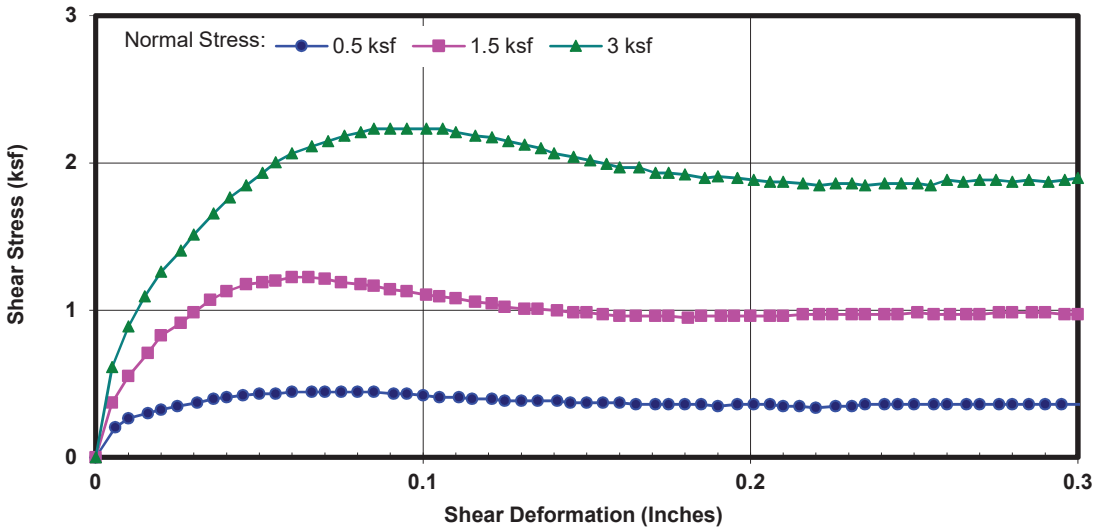
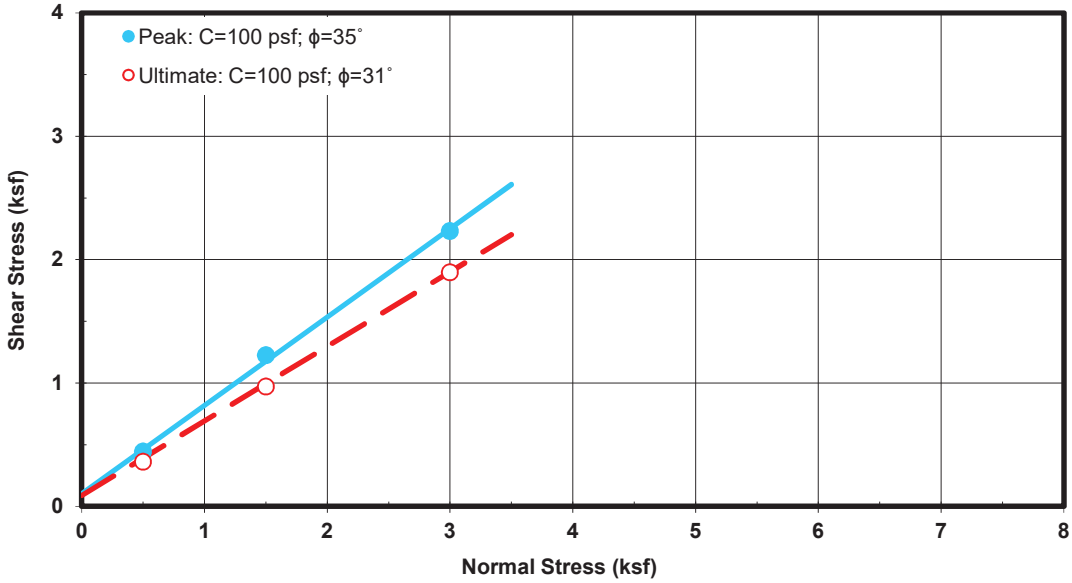
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/17/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-2				
Sample No.:	-	**Depth (ft):** 5			
Sample Type:	Mod. Cal.				
Soil Description:	Silty Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
111.3	109.2	1.8	18.3	9	91	0.5	0.444	0.360
						1.5	1.224	0.972
						3	2.232	1.896





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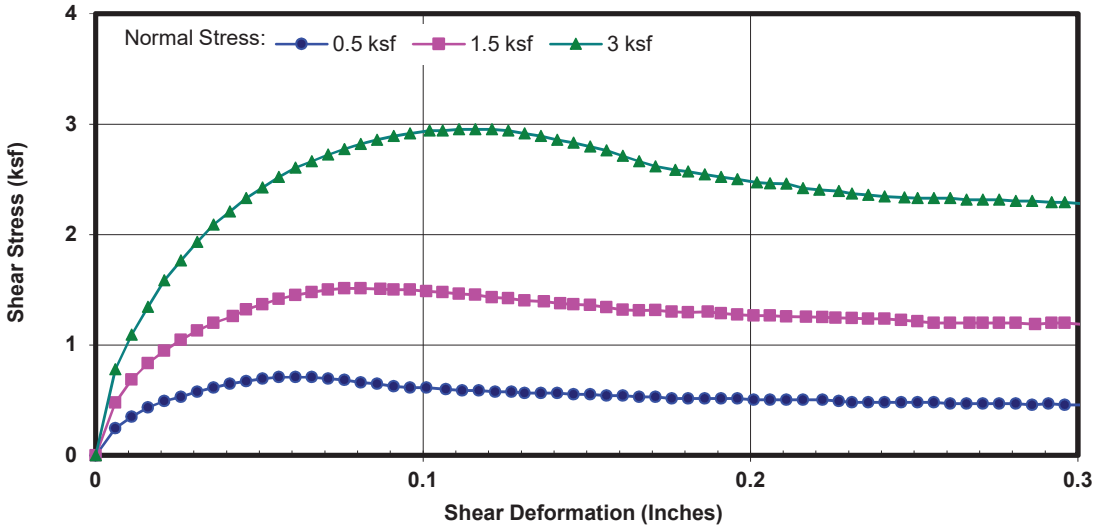
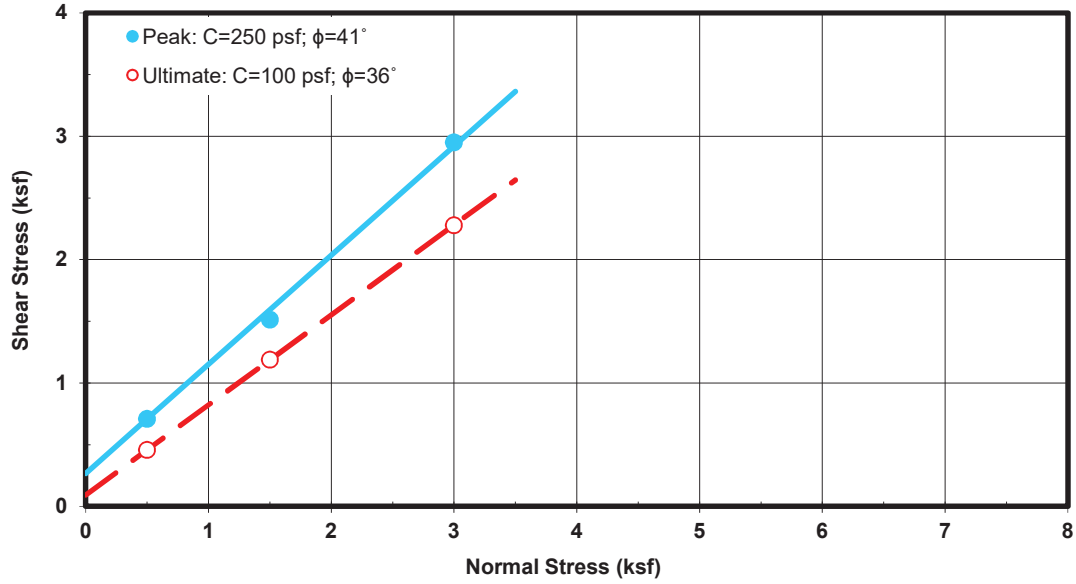
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/19/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-3				
Sample No.:	-	**Depth (ft):** 5			
Sample Type:	Mod. Cal.				
Soil Description:	Silty Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
103.2	97.4	6.0	26.1	22	96	0.5	0.708	0.456
						1.5	1.512	1.188
						3	2.952	2.280





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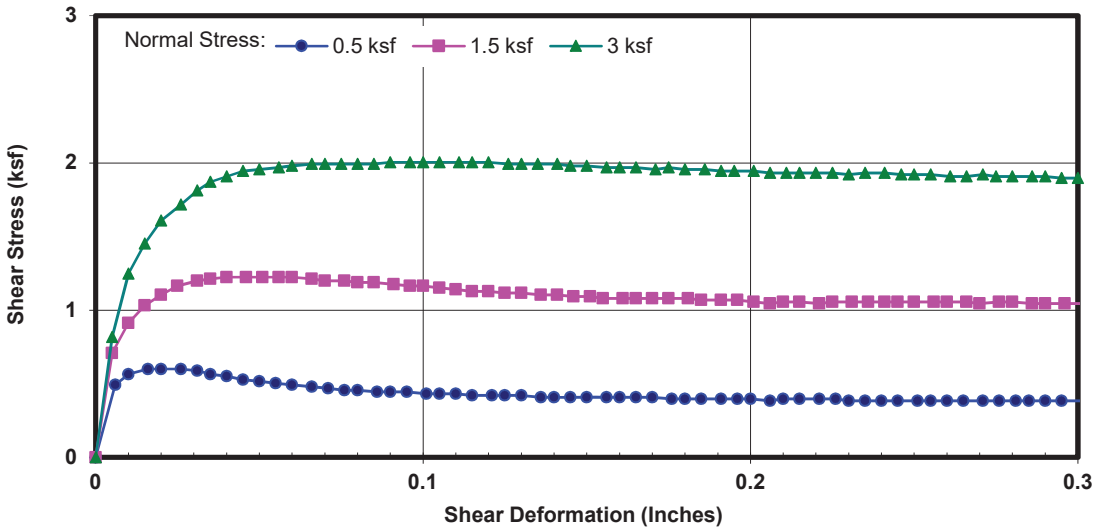
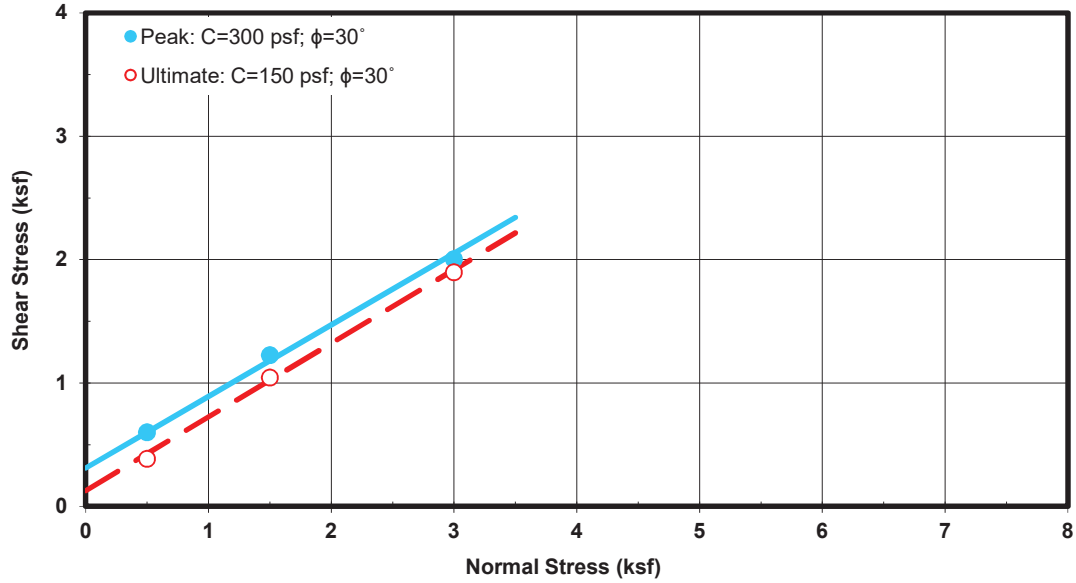
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/18/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-4				
Sample Type:	B	**Depth (ft):** 0-4			
Remold Cond.:	Remolded to 90% RC at opt. MC				
Soil Description:	Clayey Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
123.5	111.3	10.9	17.0	57	90	0.5	0.600	0.384
						1.5	1.224	1.044
						3	2.004	1.896





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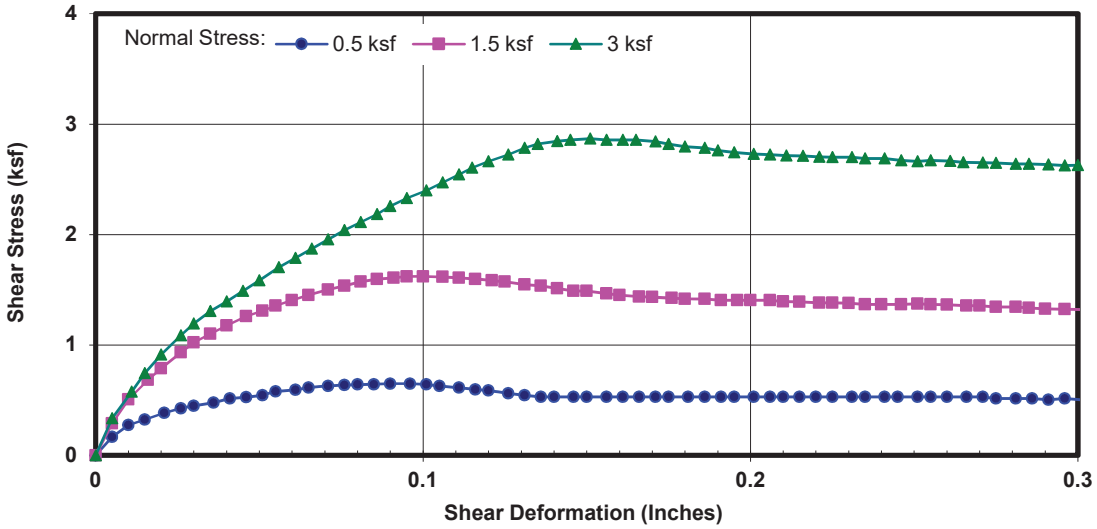
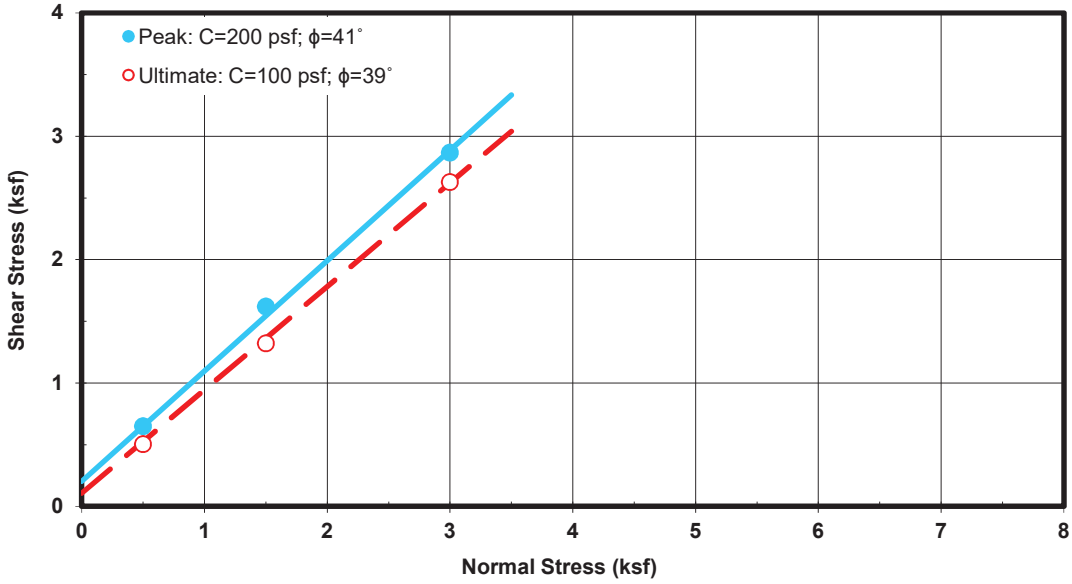
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/19/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-5				
Sample No.:	-	**Depth (ft):** 7.5			
Sample Type:	Mod. Cal.				
Soil Description:	Silty Sand w/some gravel				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
108.7	102.6	5.9	21.3	25	90	0.5	0.649	0.504
						1.5	1.620	1.320
						3	2.868	2.628





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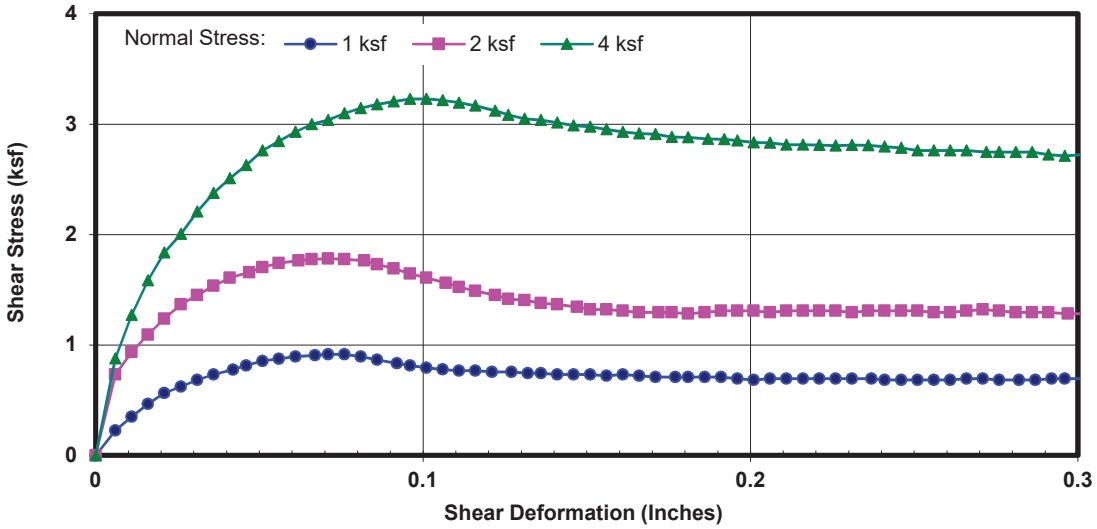
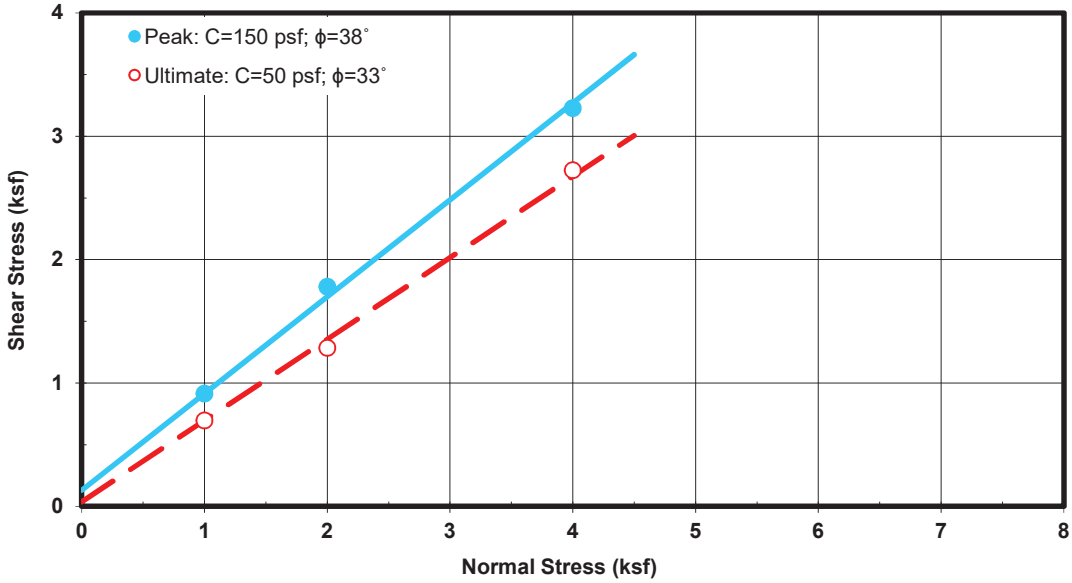
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/20/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-6				
Sample No.:	-	**Depth (ft):** 10			
Sample Type:	Mod. Cal.				
Soil Description:	Silty Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
109.6	107.4	2.0	19.1	10	90	1	0.915	0.696
						2	1.781	1.284
						4	3.228	2.724





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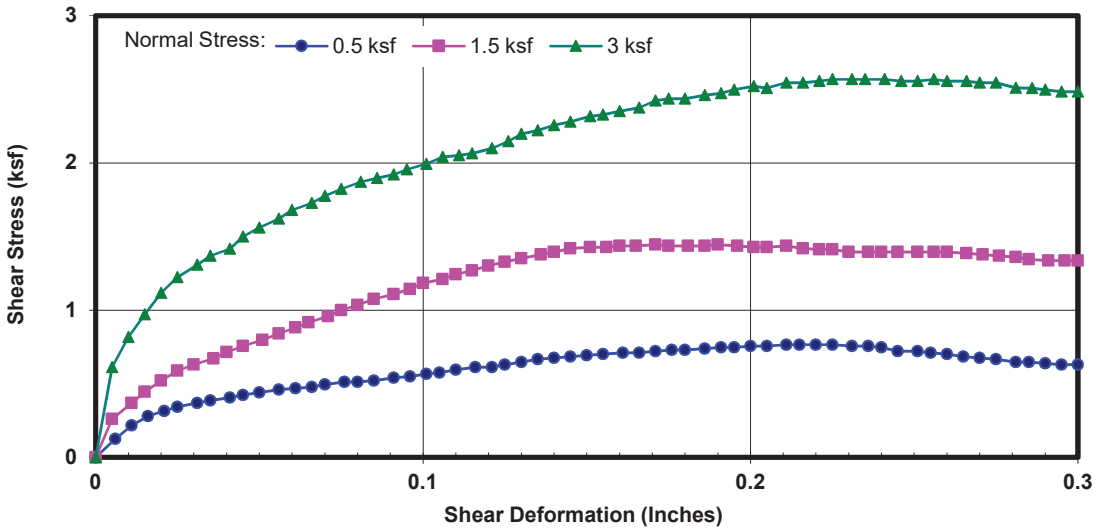
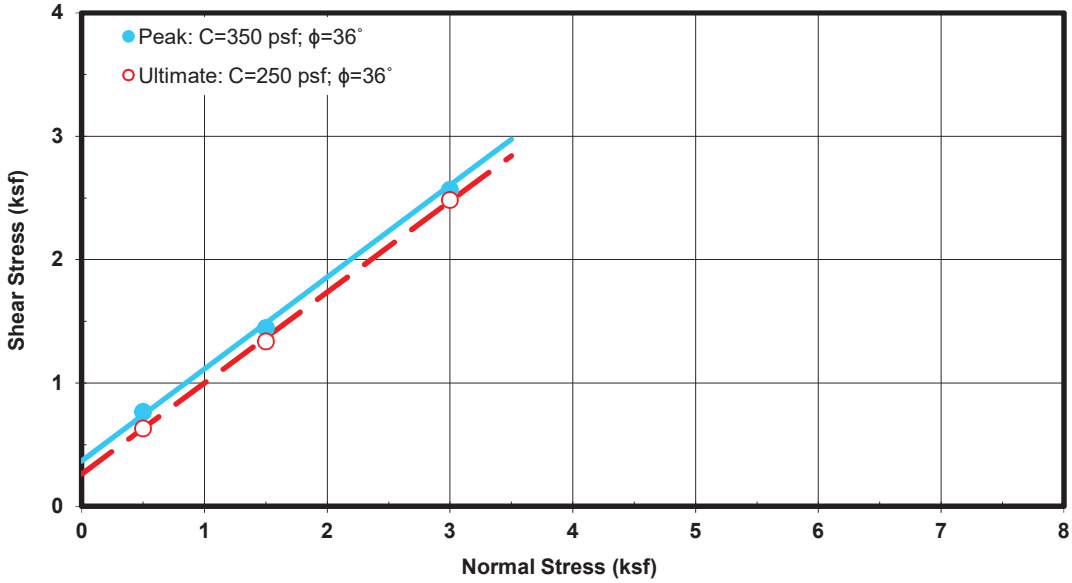
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/20/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-6				
Sample No.:	-	**Depth (ft):** 5			
Sample Type:	Mod. Cal.				
Soil Description:	Clayey Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
89.7	82.2	9.2	35.4	24	91	0.5	0.765	0.630
						1.5	1.445	1.336
						3	2.568	2.484





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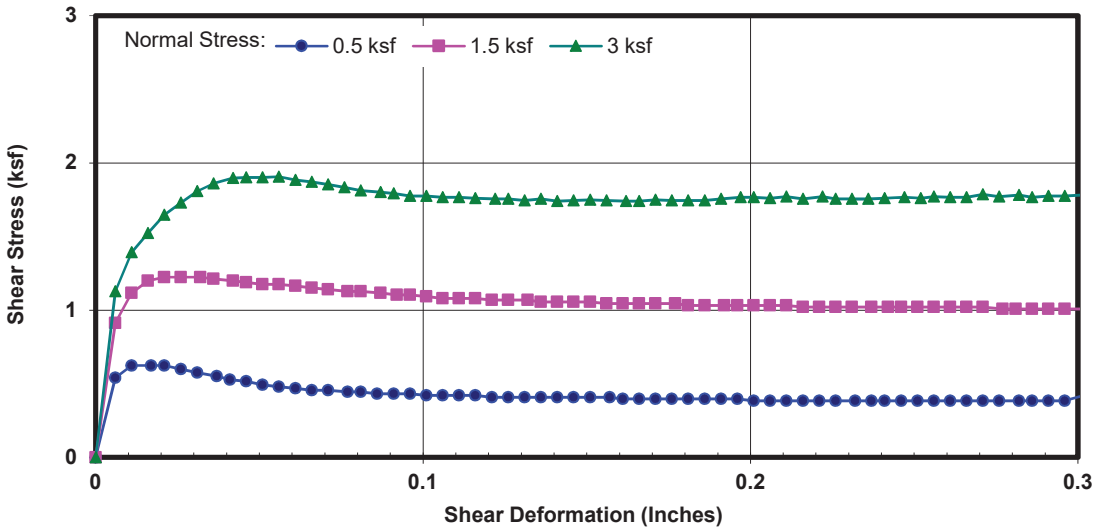
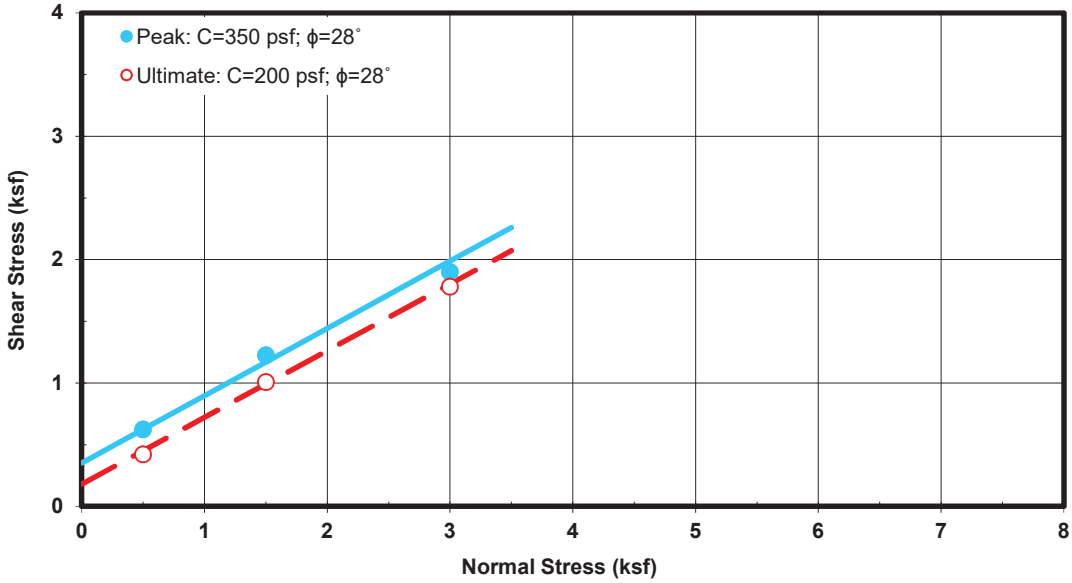
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/21/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/22/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-7				
Sample Type:	B	**Depth (ft):** 0-5			
Remold Cond.:	Remolded to 90% RC at opt. MC				
Soil Description:	Clayey Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
124.4	110.9	12.2	19.4	63	100	0.5	0.624	0.422
						1.5	1.224	1.008
						3	1.901	1.781





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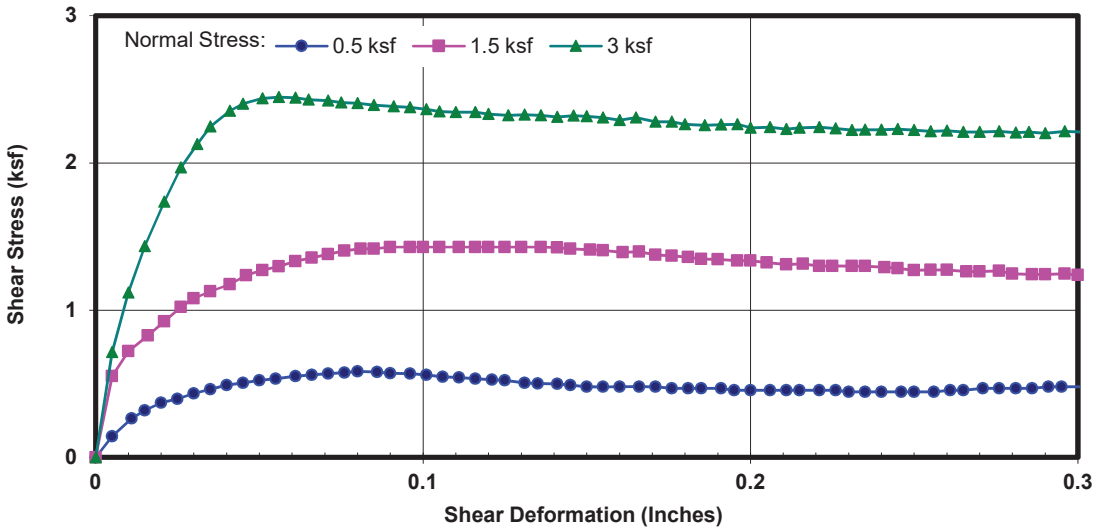
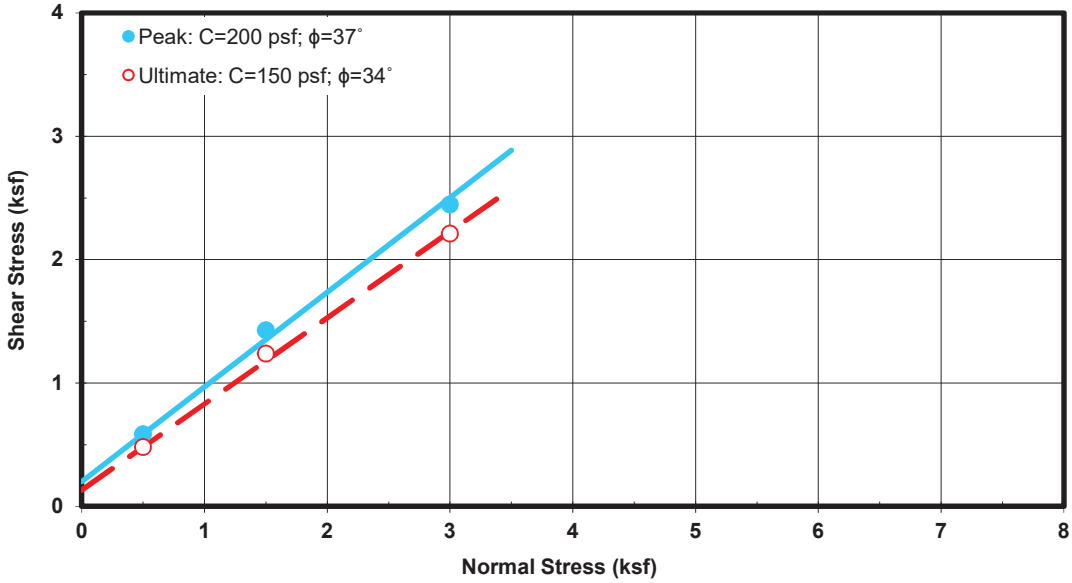
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/16/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-7				
Sample No.:	-	**Depth (ft):** 5			
Sample Type:	Mod. Cal.				
Soil Description:	Silty Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
118.2	110.2	7.2	18.8	37	96	0.5	0.584	0.480
						1.5	1.428	1.238
						3	2.447	2.210





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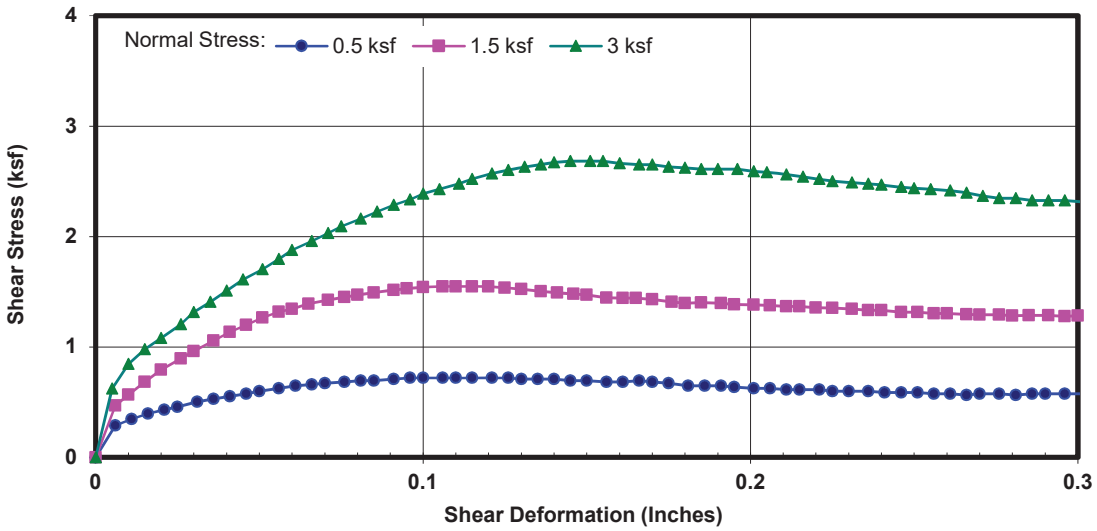
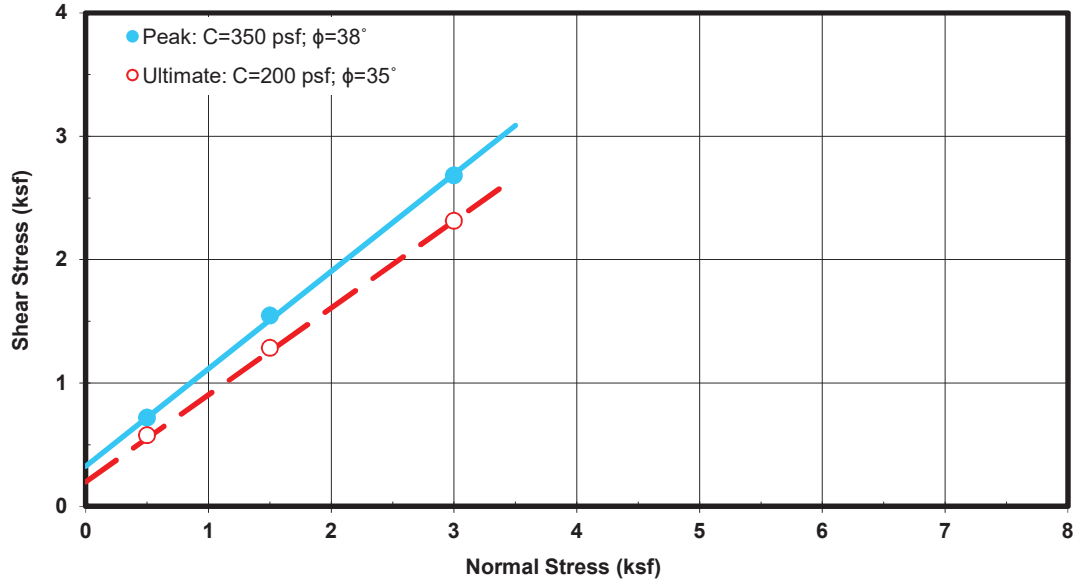
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/19/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-8				
Sample No.:	-	**Depth (ft):** 5			
Sample Type:	Mod. Cal.				
Soil Description:	Silty Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
102.3	90.1	13.5	28.8	42	89	0.5	0.720	0.576
						1.5	1.548	1.284
						3	2.683	2.315





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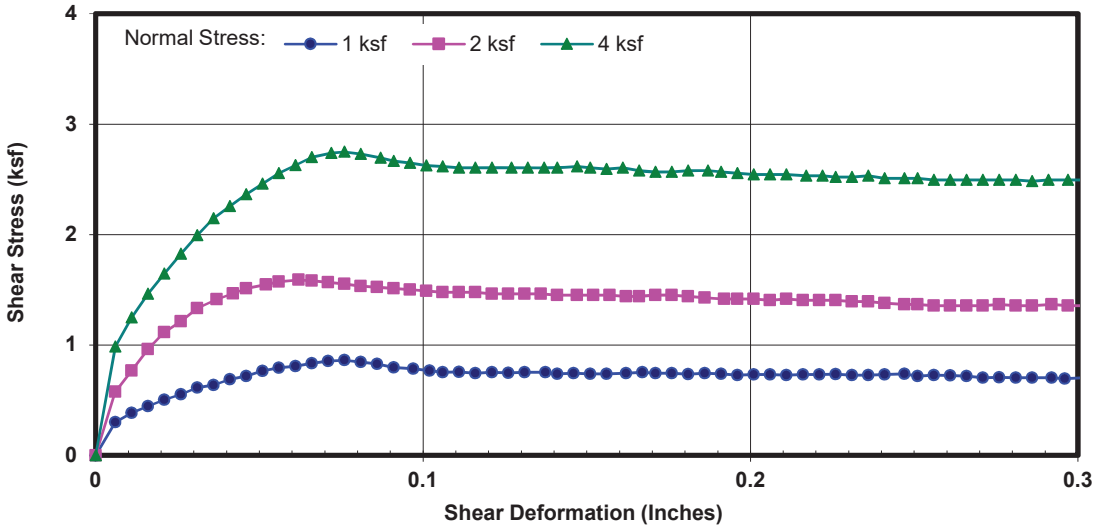
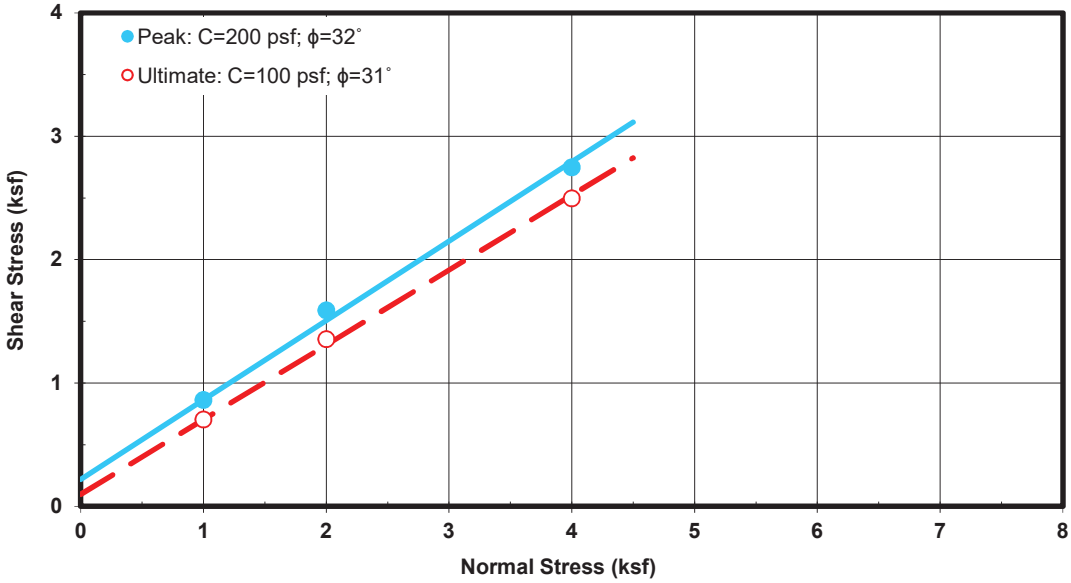
DIRECT SHEAR TEST RESULTS
ASTM D 3080

Client:	Geotechnical Soilutions Inc./SCE		**Tested By:**	ST	**Date:** 12/17/21
Project Name:	Cal City Substation		**Computed By:**	NR	**Date:** 12/21/21
Project No.:	GS21B01		**Checked by:**	AP	**Date:** 12/23/21
Boring No.:	B-8				
Sample No.:	-	**Depth (ft):** 10			
Sample Type:	Mod. Cal.				
Soil Description:	Silty Sand				
Test Condition:	Inundated	**Shear Type:** Regular			

Wet Unit Weight (pcf)	Dry Unit Weight (pcf)	Initial Moisture Content (%)	Final Moisture Content (%)	Initial Degree Saturation (%)	Final Degree Saturation (%)	Normal Stress (ksf)	Peak Shear Stress (ksf)	Ultimate Shear Stress (ksf)
110.5	102.8	7.5	22.1	32	93	1	0.862	0.703
						2	1.589	1.356
						4	2.749	2.496





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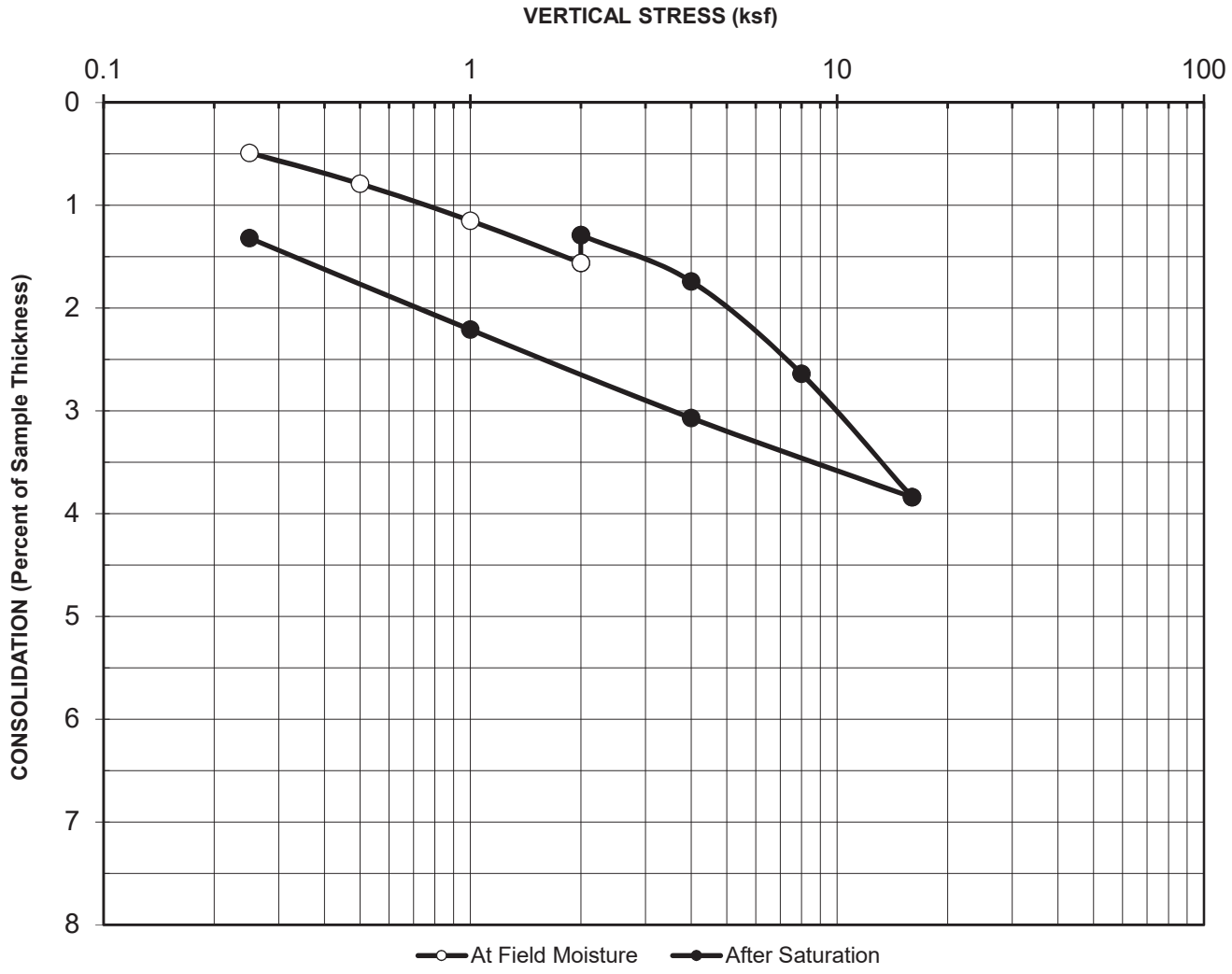

Boring No. :	B-7	Initial Dry Unit Weight (pcf):	114.3
Sample No.:	-	Initial Moisture Content (%):	7.2
Depth (feet):	5	Final Moisture Content (%):	17.7
Sample Type:	Mod Cal	Assumed Specific Gravity:	2.7
Soil Description:	Silty Sand	Initial Void Ratio:	0.47
Remarks:	Swell= 0.27% upon inundation		

CONSOLIDATION CURVE
ASTM D 2435

Project Name:	Cal City Substation
Project No.:	GS21B01
Date:	12/14/2021
AP No:	21-1162 **Sheet No:** 1

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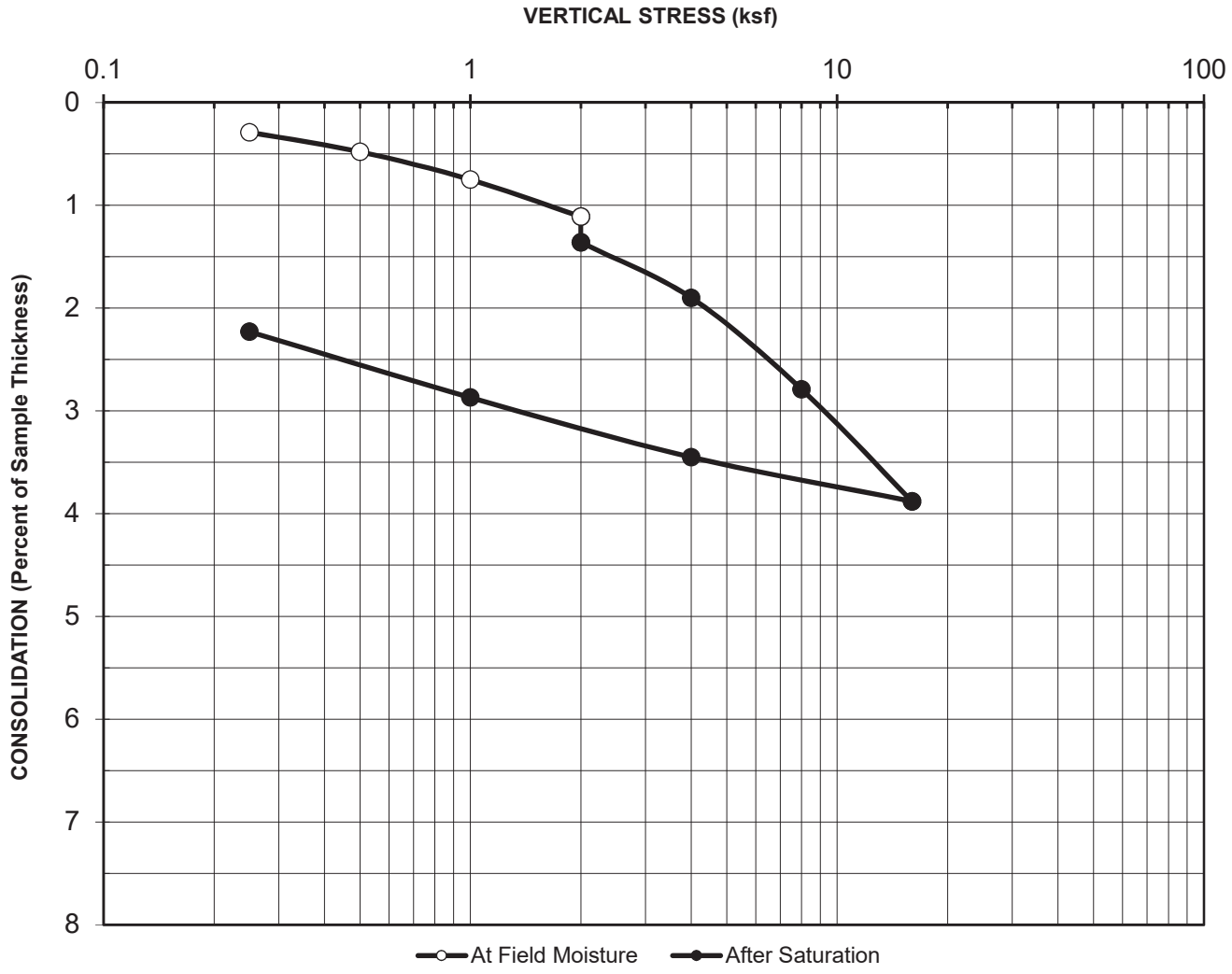

Boring No. :	B-8	Initial Dry Unit Weight (pcf):	107.7
Sample No.:	-	Initial Moisture Content (%):	7.5
Depth (feet):	10	Final Moisture Content (%):	17.9
Sample Type:	Mod Cal	Assumed Specific Gravity:	2.7
Soil Description:	Silty Sand	Initial Void Ratio:	0.56
Remarks:	Collapse= 0.25% upon inundation		

CONSOLIDATION CURVE
ASTM D 2435

Project Name:	Cal City Substation
Project No.:	GS21B01
Date:	12/14/2021
AP No:	21-1162 **Sheet No:** 1

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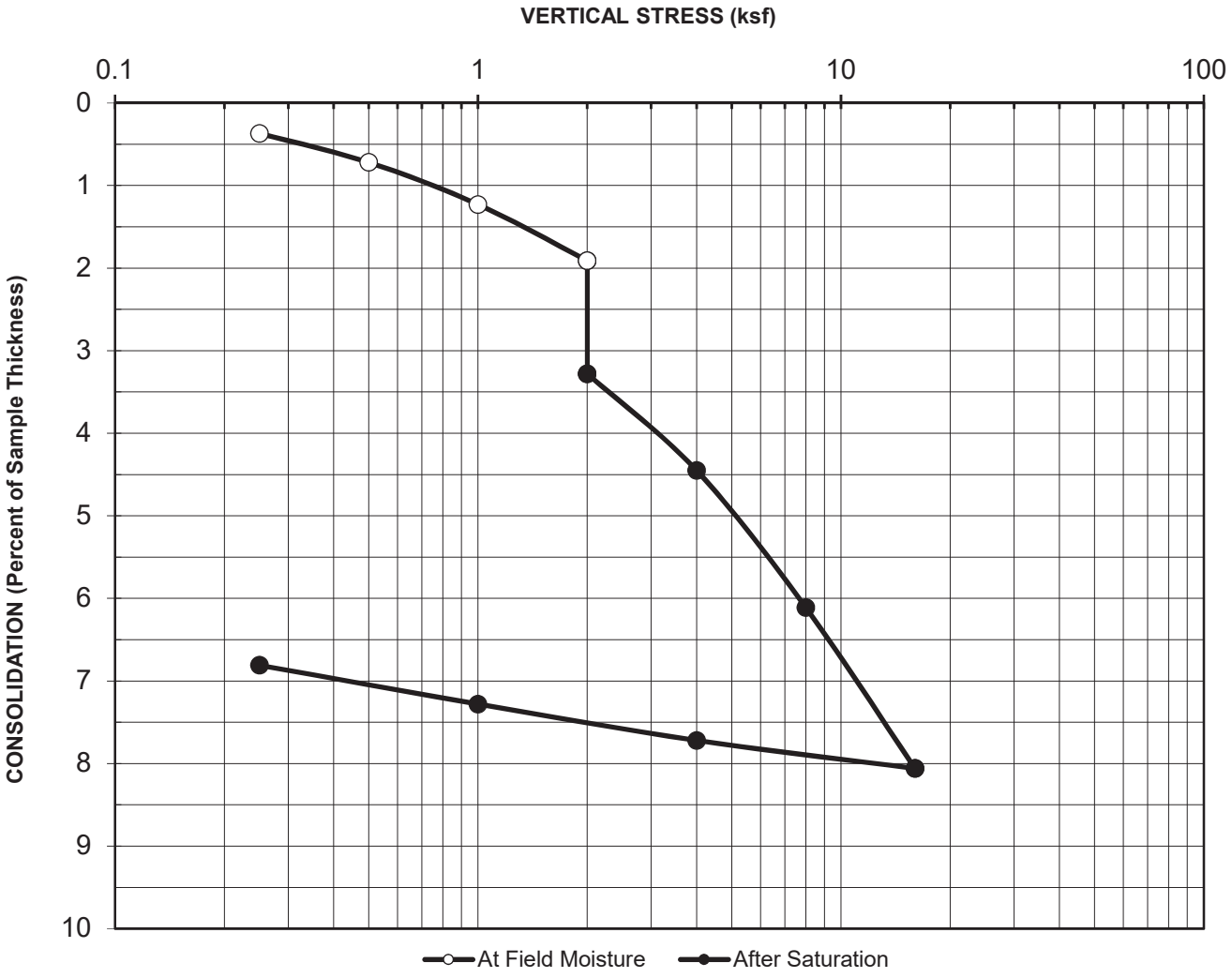

Boring No. :	B-8	Initial Dry Unit Weight (pcf):	109.4
Sample No.:	-	Initial Moisture Content (%):	4.8
Depth (feet):	7.5	Final Moisture Content (%):	15.4
Sample Type:	Mod Cal	Assumed Specific Gravity:	2.7
Soil Description:	Silty Sand	Initial Void Ratio:	0.54
Remarks:	Collapse= 1.37% upon inundation		

CONSOLIDATION CURVE
ASTM D 2435

Project Name:	Cal City Substation
Project No.:	GS21B01
Date:	12/14/2021
AP No:	21-1162 **Sheet No:** 1

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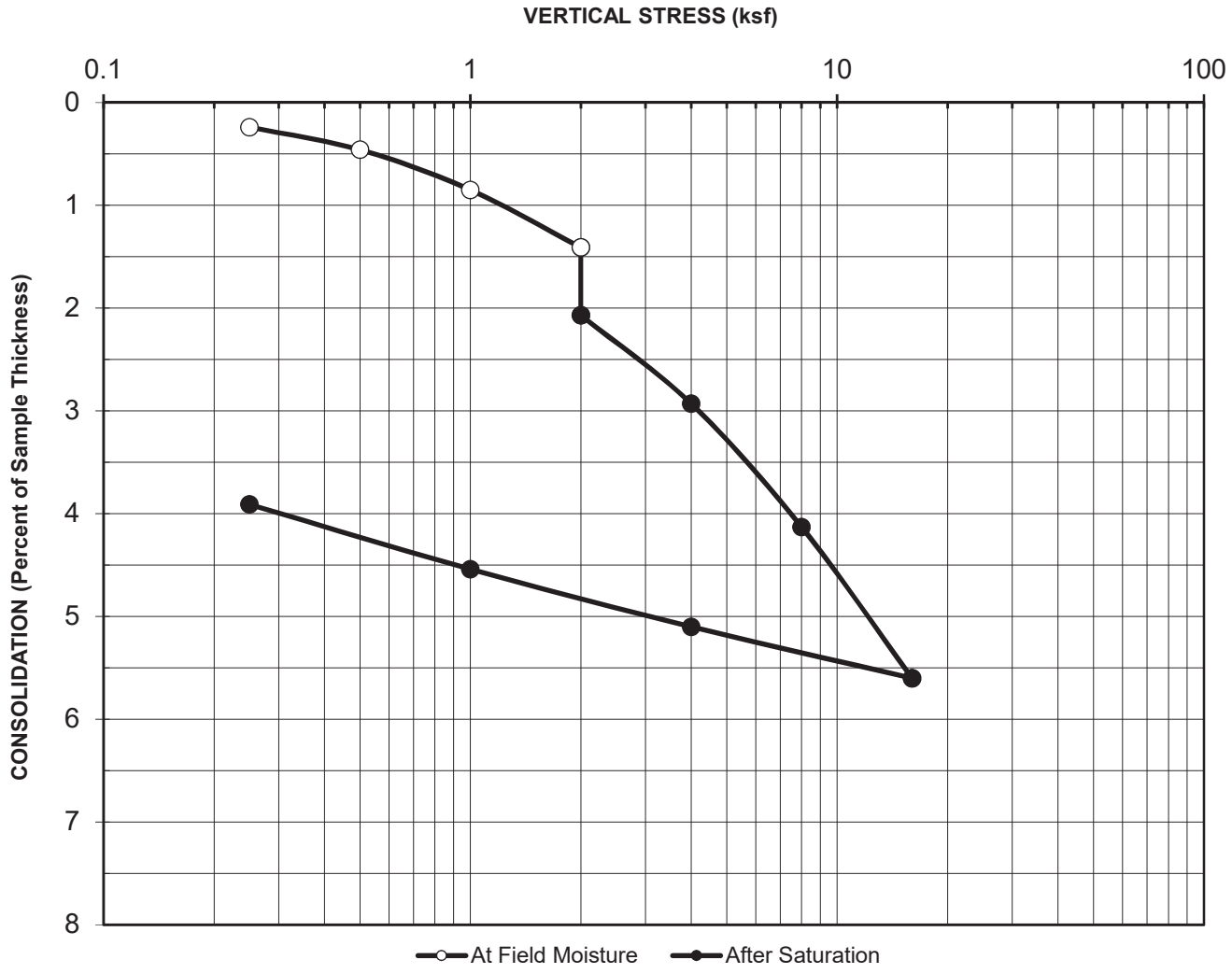

Boring No. :	B-8	Initial Dry Unit Weight (pcf):	90.4
Sample No.:	-	Initial Moisture Content (%):	13.5
Depth (feet):	5	Final Moisture Content (%):	27.9
Sample Type:	Mod Cal	Assumed Specific Gravity:	2.7
Soil Description:	Silty Sand	Initial Void Ratio:	0.86
Remarks:	Collapse= 0.66% upon inundation		

CONSOLIDATION CURVE
ASTM D 2435

Project Name:	Cal City Substation
Project No.:	GS21B01
Date:	12/14/2021
AP No:	21-1162 **Sheet No:** 1

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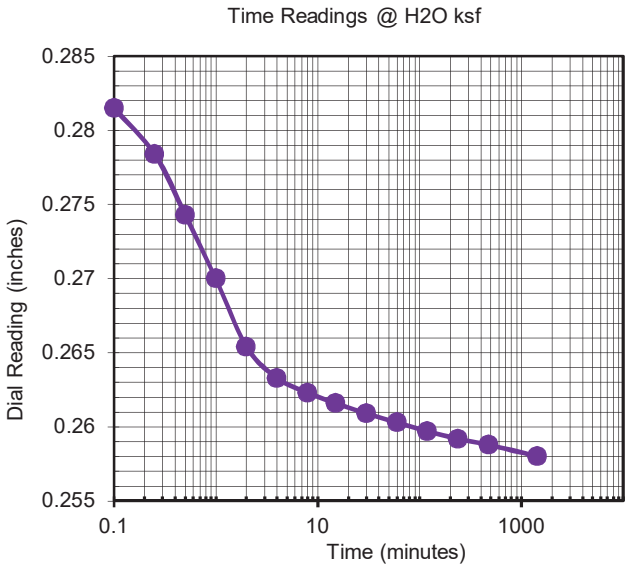

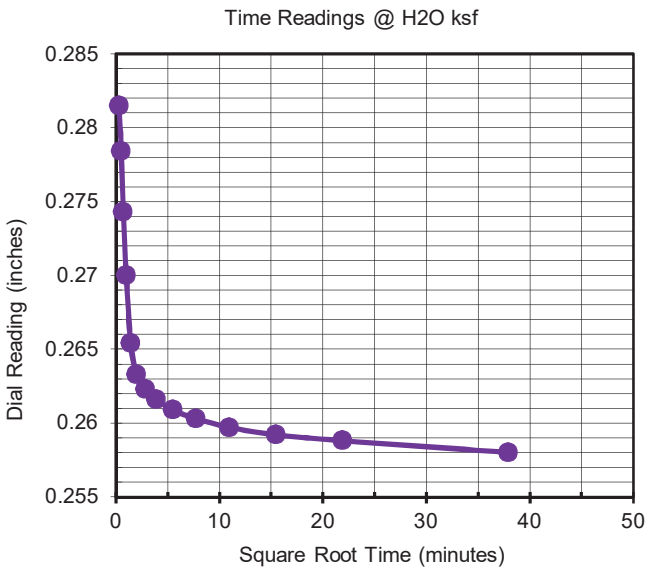

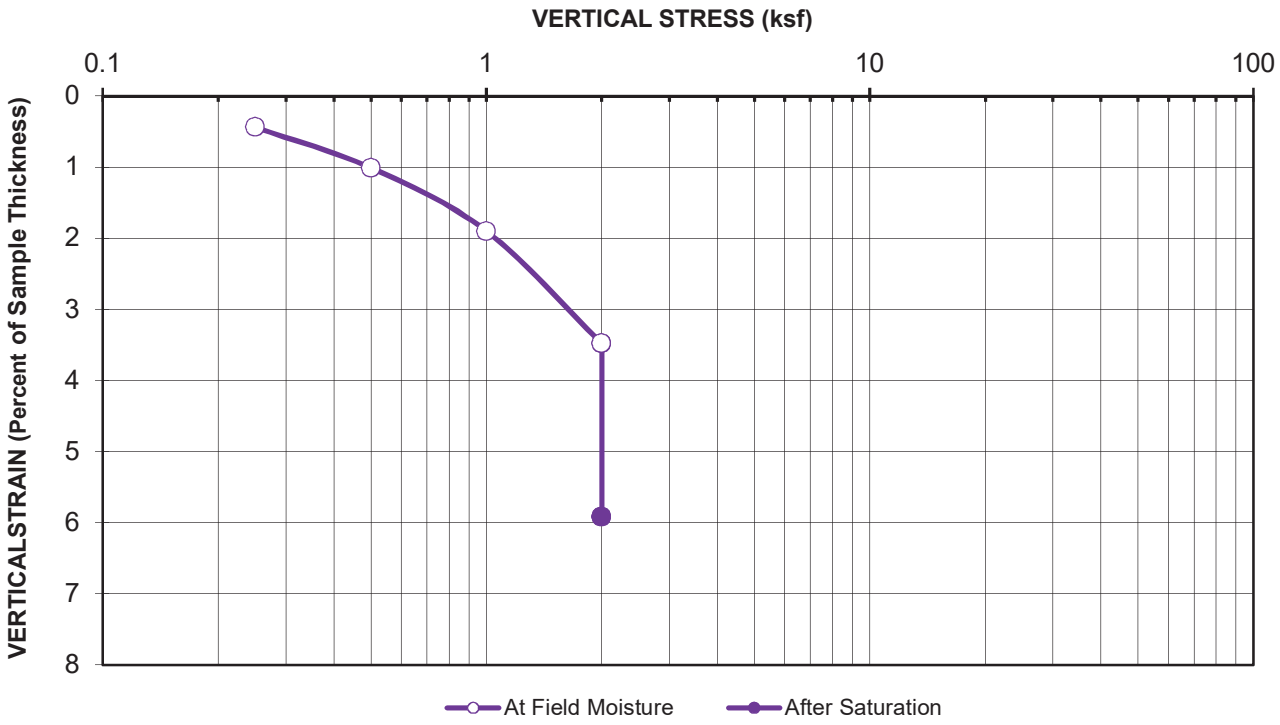

Boring No. :	B-2	Initial Dry Unit Weight (pcf):	105.1
Sample No.:	-	Initial Moisture Content (%):	1.8
Depth (feet):	5	Final Moisture Content (%):	16.2
Sample Type:	Mod Cal	Initial Void Ratio:	0.60
Soil Description:	Clayey Sand		
Remarks:	Collapse = 2.44% upon inundation		

1-D SWELL/COLLAPSE
ASTM D 4546-14, Method B

Project Name:	Cal City Substation
Project No.:	GS21B01
Date:	12/20/21
AP No:	21-1162

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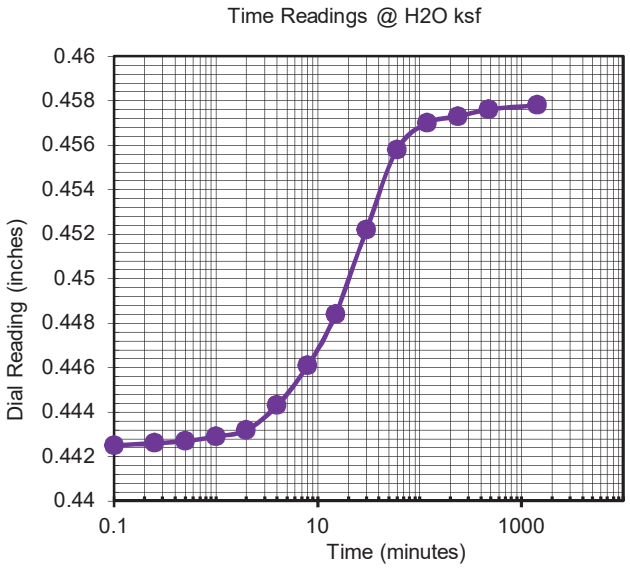

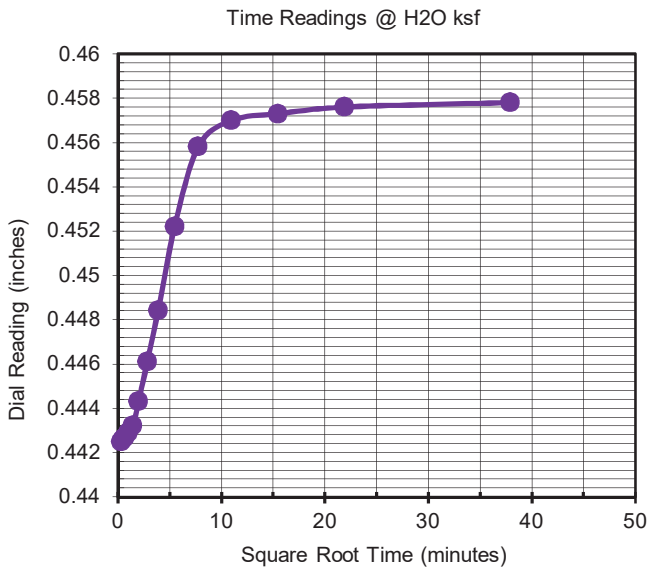

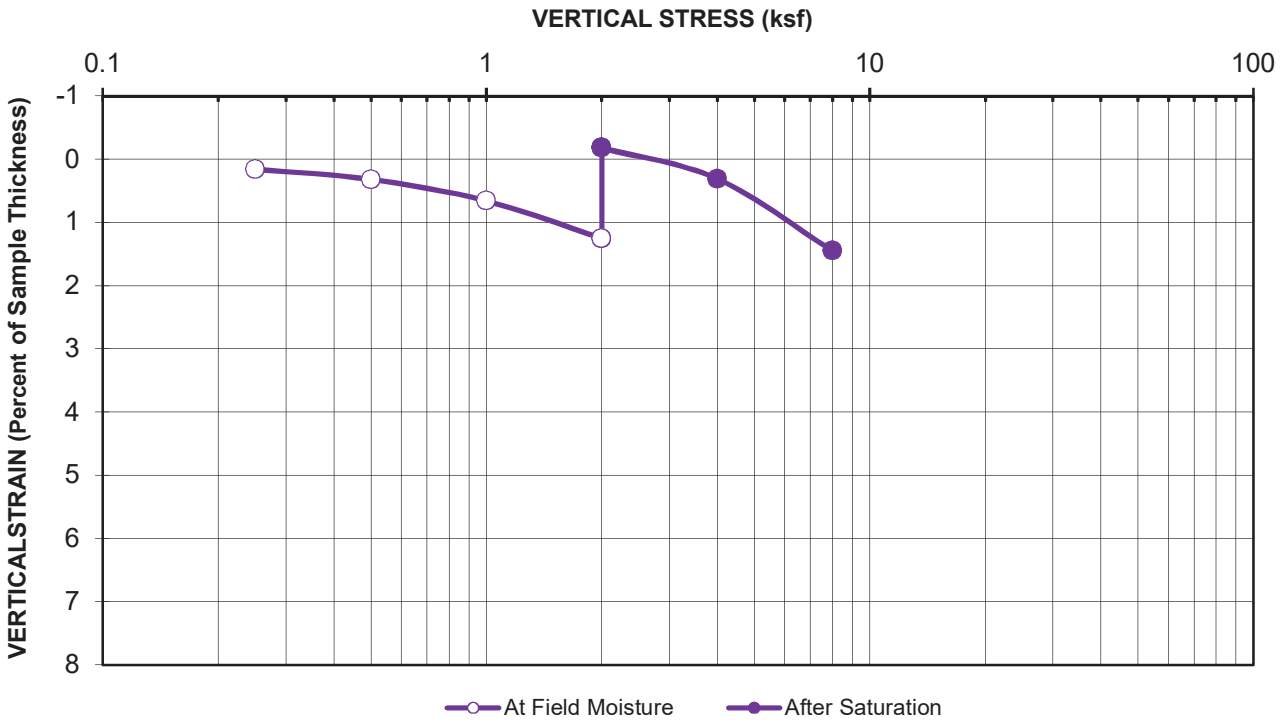

Boring No. :	B-2	Initial Dry Unit Weight (pcf):	119.4
Sample No.:	-	Initial Moisture Content (%):	4.0
Depth (feet):	2.5	Final Moisture Content (%):	15.5
Sample Type:	Mod Cal	Initial Void Ratio:	0.41
Soil Description:	Clayey Sand		
Remarks:	Swell = 1.43% upon inundation		

1-D SWELL/COLLAPSE
ASTM D 4546-14, Method B

Project Name:	Cal City Substation
Project No.:	GS21B01
Date:	12/24/21
AP No:	21-1162

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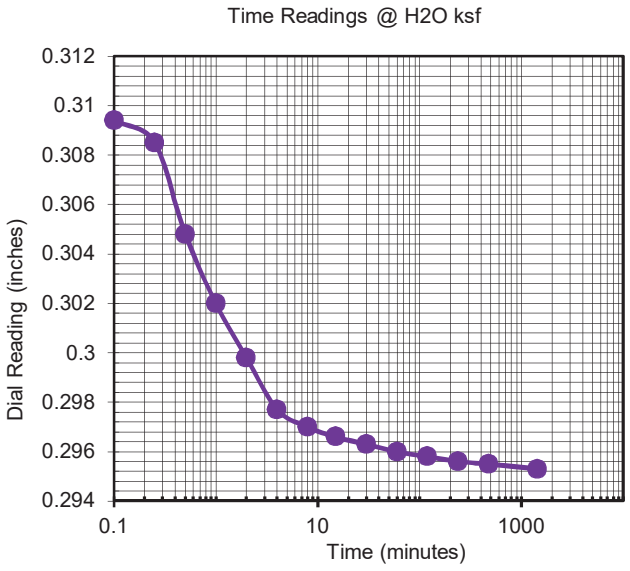

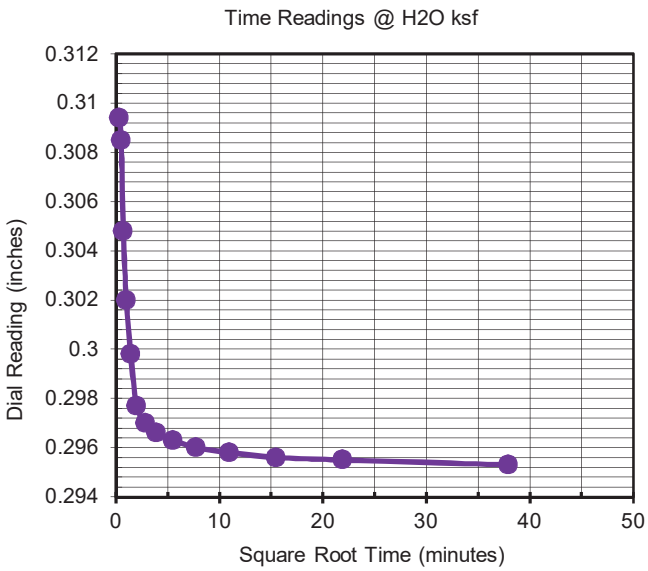

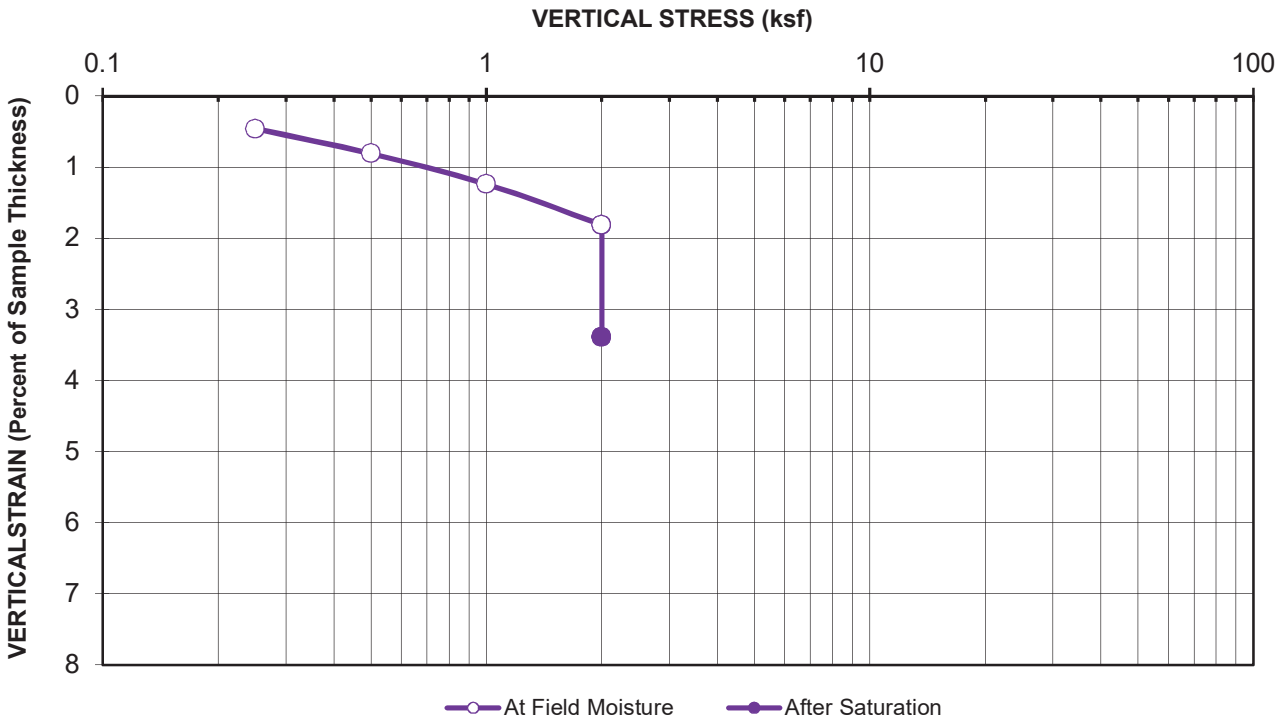

Boring No. :	B-7	Initial Dry Unit Weight (pcf):	104.5
Sample No.:	-	Initial Moisture Content (%):	8.0
Depth (feet):	2.5	Final Moisture Content (%):	19.2
Sample Type:	Mod Cal	Initial Void Ratio:	0.61
Soil Description:	Clayey Sand		
Remarks:	Collapse = 1.58% upon inundation		

1-D SWELL/COLLAPSE
ASTM D 4546-14, Method B

Project Name:	Cal City Substation
Project No.:	GS21B01
Date:	12/20/21
AP No:	21-1227

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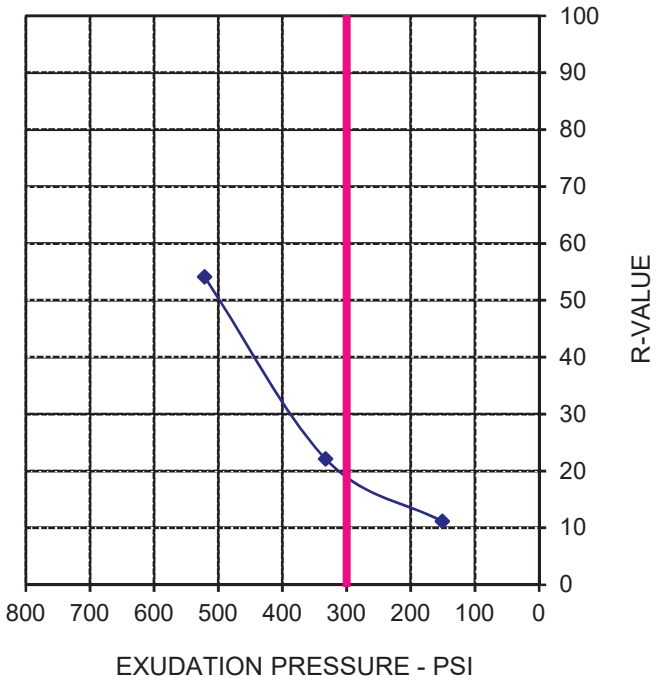
R-VALUE TEST DATA

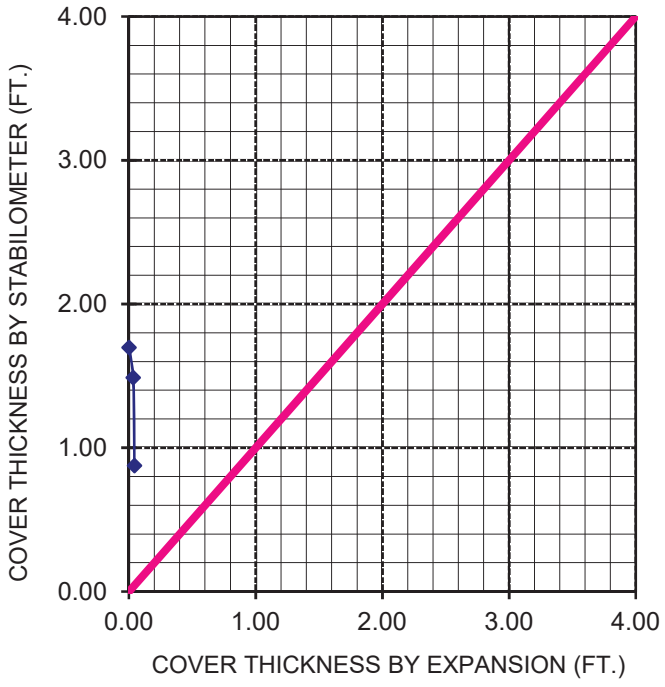
ASTM D2844

Project Name:	Cal City Substation	Tested By:	ST	Date:	12/16/21
Project Number:	GS21B01	Computed By:	KM	Date:	12/21/21
Boring No.:	B-2	Checked By:	AP	Date:	12/23/21
Sample Type:	B	Depth (ft.):	0-5		
Location:	N/A				
Soil Description:	Clayey Sand				

Mold Number	F	D	E	
Water Added, g	0	0	44	
Compact Moisture(%)	10.6	12.0	13.2	
Compaction Gage Pressure, psi	250	250	100	
Exudation Pressure, psi	522	333	151	
Sample Height, Inches	2.4	2.6	2.5	
Gross Weight Mold, g	2956	3124	3050	
Tare Weight Mold, g	1869	1968	1955	
Net Sample Weight, g	1088	1156	1095	
Expansion, inches$\times 10^{-4}$	13	10	0	
Stability 2,000 (160 psi)	24/50	49/110	57/129	
Turns Displacement	4.10	4.15	4.79	
R-Value Uncorrected	57	21	11	
R-Value Corrected	54	22	11	
Dry Density, pcf	124.2	120.2	117.3	
Traffic Index	8.0	8.0	8.0	
G.E. by Stability	0.88	1.49	1.70	
G.E. by Expansion	0.04	0.03	0.00	

R-VALUE		
	By Exudation:	19
	By Expansion:	*N/A
	At Equilibrium: (by Exudation)	19
Remarks	Gf = 1.34, and 0.0 % Retained on the ¾" *Not Applicable	





AP Engineering and Testing, Inc.
DBE|MBE|SBE
2607 Pomona Boulevard | Pomona, CA 91768
t. 909.869.6316 | f. 909.869.6318 | www.aplaboratory.com

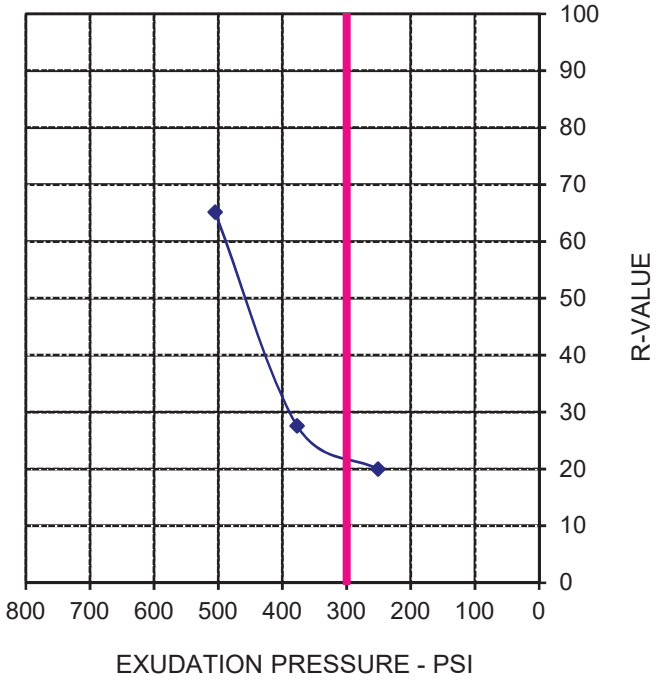
R-VALUE TEST DATA

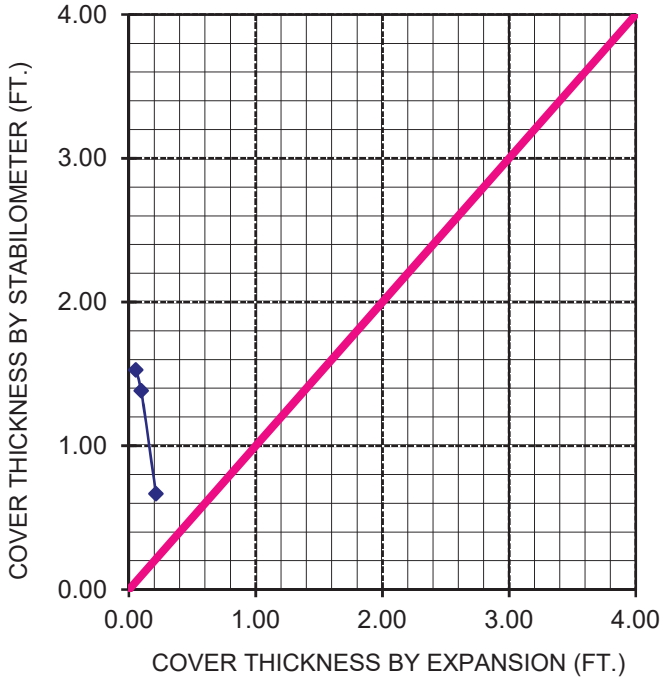
ASTM D2844

Project Name:	Cal City Substation	Tested By:	ST	Date:	12/16/21
Project Number:	GS21B01	Computed By:	KM	Date:	12/18/21
Boring No.:	B-4	Checked By:	AP	Date:	12/23/21
Sample Type:	B	Depth (ft.):	0-4		
Location:	N/A				
Soil Description:	Clayey Sand				

Mold Number	A	C	B	
Water Added, g	63	85	95	
Compact Moisture(%)	11.9	14.1	15.1	
Compaction Gage Pressure, psi	250	100	100	
Exudation Pressure, psi	505	377	251	
Sample Height, Inches	2.6	2.6	2.6	
Gross Weight Mold, g	3119	3096	3090	
Tare Weight Mold, g	1967	1965	1966	
Net Sample Weight, g	1152	1131	1124	
Expansion, inches$\times 10^{-4}$	64	29	16	
Stability 2,000 (160 psi)	22/46	50/103	55/115	
Turns Displacement	3.71	3.87	4.26	
R-Value Uncorrected	63	26	19	
R-Value Corrected	65	28	20	
Dry Density, pcf	120.0	115.5	113.8	
Traffic Index	8.0	8.0	8.0	
G.E. by Stability	0.67	1.38	1.53	
G.E. by Expansion	0.21	0.10	0.05	

R-VALUE		
	By Exudation:	22
	By Expansion:	*N/A
	At Equilibrium: (by Exudation)	22
Remarks	Gf = 1.34, and 0.0 % Retained on the ¾" *Not Applicable	





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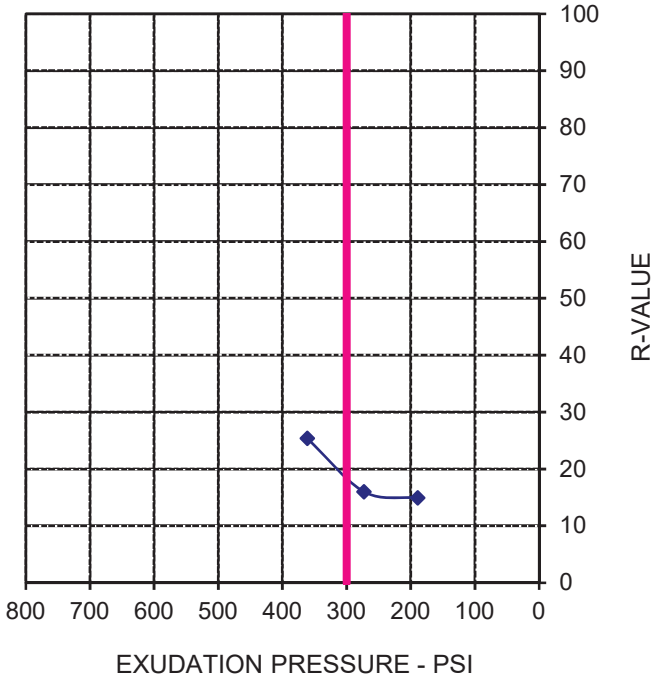
R-VALUE TEST DATA

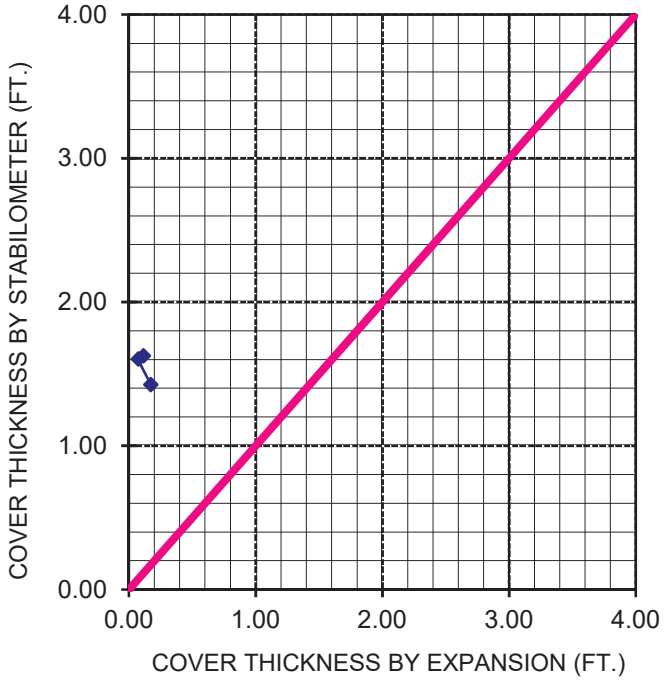
ASTM D2844

Project Name:	Cal City Substation	Tested By:	ST	Date:	12/16/21
Project Number:	GS21B01	Computed By:	KM	Date:	12/18/21
Boring No.:	B-10	Checked By:	AP	Date:	12/23/21
Sample Type:	Bulk	Depth (ft.):	0-5		
Location:	N/A				
Soil Description:	Clayey Sand				

Mold Number	D	E	F	
Water Added, g	80	92	106	
Compact Moisture(%)	17.0	18.1	19.5	
Compaction Gage Pressure, psi	150	150	100	
Exudation Pressure, psi	362	273	189	
Sample Height, Inches	2.6	2.6	2.6	
Gross Weight Mold, g	3089	3038	2922	
Tare Weight Mold, g	1968	1955	1869	
Net Sample Weight, g	1121	1083	1054	
Expansion, inches$\times 10^{-4}$	52	22	34	
Stability 2,000 (160 psi)	46/110	53/126	55/126	
Turns Displacement	3.53	3.70	3.99	
R-Value Uncorrected	24	15	14	
R-Value Corrected	25	16	15	
Dry Density, pcf	111.7	106.8	102.7	
Traffic Index	8.0	8.0	8.0	
G.E. by Stability	1.43	1.60	1.63	
G.E. by Expansion	0.17	0.07	0.11	

R-VALUE		
	By Exudation:	18
	By Expansion:	*N/A
	At Equilibrium: (by Exudation)	18
Remarks	Gf = 1.34, and 0.0 % Retained on the ¾" *Not Applicable	





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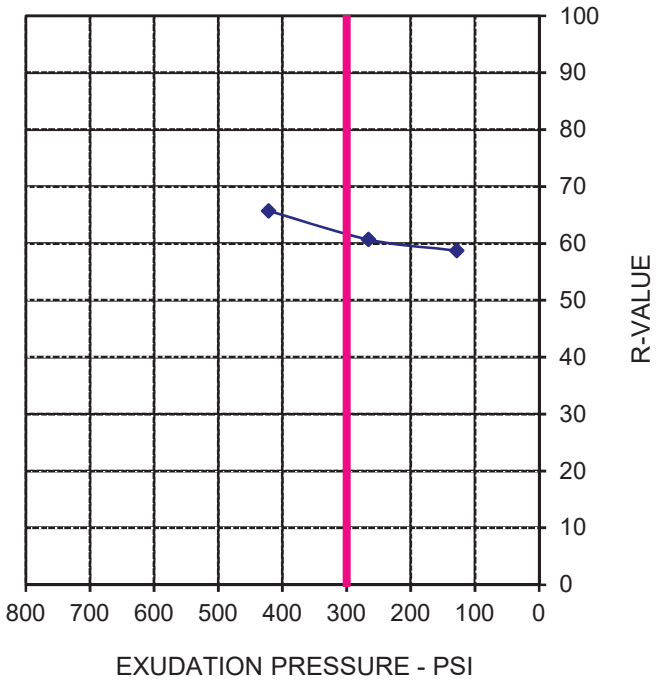
R-VALUE TEST DATA

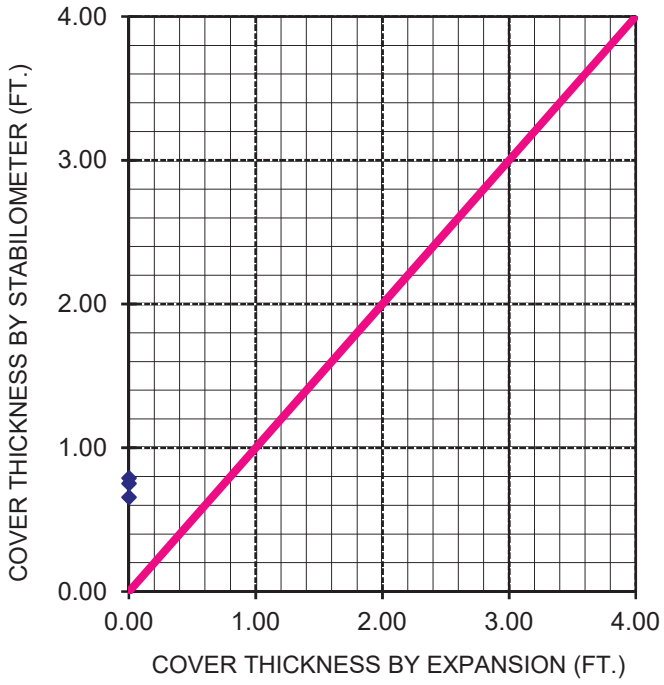
ASTM D2844

Project Name:	Cal City Substation	Tested By:	ST	Date:	12/16/21
Project Number:	GS21B01	Computed By:	KM	Date:	12/18/21
Boring No.:	B-13	Checked By:	AP	Date:	12/23/21
Sample Type:	B	Depth (ft.):	0-5		
Location:	N/A				
Soil Description:	Silty Sand				

Mold Number	G	I	H	
Water Added, g	92	87	82	
Compact Moisture(%)	10.9	10.4	10.0	
Compaction Gage Pressure, psi	200	200	200	
Exudation Pressure, psi	128	266	422	
Sample Height, Inches	2.5	2.5	2.5	
Gross Weight Mold, g	2923	2919	2924	
Tare Weight Mold, g	1827	1819	1837	
Net Sample Weight, g	1096	1101	1087	
Expansion, inchesx10^{-4}	0	0	0	
Stability 2,000 (160 psi)	23/44	23/41	20/37	
Turns Displacement	4.63	4.70	4.33	
R-Value Uncorrected	59	61	66	
R-Value Corrected	59	61	66	
Dry Density, pcf	119.7	120.8	119.8	
Traffic Index	8.0	8.0	8.0	
G.E. by Stability	0.79	0.75	0.65	
G.E. by Expansion	0.00	0.00	0.00	

R-VALUE		
	By Exudation:	62
	By Expansion:	*N/A
	At Equilibrium: (by Exudation)	62
Remarks	Gf = 1.34, and 0.0 % Retained on the ¾" *Not Applicable	





APPENDIX D

SEISMIC PARAMETERS
&
PAVEMENT DESIGN

Cal City Substation

Latitude, Longitude: 35.14245963, -117.96774169

Date	12/30/2021, 5:48:55 PM
Design Code Reference Document	ASCE7-16
Risk Category	II
Site Class	D - Stiff Soil

Type	Value	Description
S_S	1.034	MCE_R ground motion. (for 0.2 second period)
S_1	0.394	MCE_R ground motion. (for 1.0s period)
S_{MS}	1.124	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	0.749	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1.086	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.46	MCE_G peak ground acceleration
F_{PGA}	1.14	Site amplification factor at PGA
PGA_M	0.524	Site modified peak ground acceleration
T_L	8	Long-period transition period in seconds
SsRT	1.034	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	1.147	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.5	Factored deterministic acceleration value. (0.2 second)
S1RT	0.394	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.437	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.6	Factored deterministic acceleration value. (1.0 second)
PGAd	0.518	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.902	Mapped value of the risk coefficient at short periods
C_{R1}	0.903	Mapped value of the risk coefficient at a period of 1 s

CALTRANS METHOD OF FLEXIBLE PAVEMENT DESIGN: *GRAVEL EQUIVALENT APPROACH*

Project: Cal City Substation **Client:** SCE
No: GS 21B01 **Date:** 12/29/2021

Base Type: 2
Base Type: "Untreated A. B."
Base Gf: 1.1

Base R-Value: 78

A.C. FS: 0.2
Full A.C. Sect FS: 0.1

TI	G_f	Base Types	G_f	Types
0	2.50	1	1.0	"Aggregate Subbase"
5	2.50	2	1.1	"Untreated A. B."
6	2.32	3	1.2	"Lime Treated Base"
7	2.14	4	1.7	Class A CTB
8	2.01	5	1.5	Class B CTB
9	1.89	6	1.2	Class C CTB
10	1.79	7	1.4	ATPB
11	1.71			
12	1.64			
13	1.57			
14	1.52			

TI	Subgrade R-Value	GE_t (feet)	GE_{ac} (feet)	G_f	Minimum T_{ac} (feet)	Use T_{ac} (inches)	Actual GE_{ac} (feet)	GE_b (feet)	Minimum T_b (feet)	Use T_b (inches)	Full Sect T_{ac} (feet)	Use Full Sect T_{ac} (inches)
4	20	1.02	0.48	2.50	0.19	**2.5**	0.52	0.50	0.46	**5.5**	0.45	**5.5**
4.5	20	1.15	0.52	2.50	0.21	**2.5**	0.52	0.63	0.57	**7.0**	0.50	**6.5**
5	20	1.28	0.55	2.50	0.22	**3.0**	0.63	0.66	0.60	**7.5**	0.55	**7.0**
5.5	20	1.41	0.59	2.32	0.25	**3.5**	0.68	0.73	0.66	**8.0**	0.65	**8.0**
6	20	1.54	0.62	2.32	0.27	**3.5**	0.68	0.86	0.78	**9.5**	0.71	**8.5**
6.5	20	1.66	0.66	2.14	0.31	**4.0**	0.71	0.95	0.86	**10.5**	0.82	**10.0**
7	20	1.79	0.69	2.14	0.32	**4.0**	0.71	1.08	0.98	**12.0**	0.88	**11.0**
8	20	2.05	0.76	2.01	0.38	**5.0**	0.84	1.21	1.10	**13.5**	1.07	**13.0**
9	20	2.30	0.83	1.89	0.44	**5.5**	0.87	1.44	1.31	**16.0**	1.27	**15.5**
10	20	2.56	0.90	1.79	0.51	**6.5**	0.97	1.59	1.45	**17.5**	1.49	**18.0**
11	20	2.82	0.97	1.71	0.57	**7.0**	1.00	1.82	1.65	**20.0**	1.71	**20.5**
12	20	3.07	1.04	1.64	0.64	**8.0**	1.09	1.98	1.80	**22.0**	1.93	**23.5**
13	20	3.33	1.12	1.57	0.71	**9.0**	1.18	2.15	1.96	**23.5**	2.18	**26.5**

APPENDIX E

PERCOLATION TESTING

Boring/ Excavation Percolation Testing Field Log

Date 11/29/2021

Project Location	Cal City Substation	Boring /Test Number	PT-1
Earth Description	Alluvium	Diameter of Boring	8"
Tested By	Anselm	Diameter of Casing	3"
Liquid Description	Clear tap water	Depth of Boring	5' / Perc Test (0' to 5')
Measurement Method	Sounding	Depth to Water Table	Deeper than 30'
		Initial Water Depth (d1)	5'

1st Pre-Soak	9:13 to 9:43 am, 22" drop	Water Remaining in Boring (Y/N)	Y
2nd Pre-Soak	9:45 to 10:15 am, 20" drop	Standard Time Interval Between Readings	10 Min

Reading Number	Time Start/End (hrs:mins)	Measurements Start/End (in)	Elapsed Time (mins)	Water Drop During Standard Time Interval (in)	Percolation Rate for Reading (in/hr.)	Soil Description/ Notes/ Comments
	10:36	2.8				Silty, clayey sand (SM-SC)
1	10:46	9.1	10	6.30	37.8	
	10:48	4.0				
2	10:58	9.2	10	5.20	31.2	
	10:59	4.4				
3	11:09	9.4	10	5.00	30.0	
	11:10	4.0				
4	11:20	8.9	10	4.90	29.4	
	11:21	5.0				
5	11:31	10.1	10	5.10	30.6	
	11:32	6.8				
6	11:42	11.6	10	4.80	28.8	
	11:43	3.0				
7	11:53	7.8	10	4.80	28.8	
	11:54	3.3				
8	11:04	8.2	10	4.90	29.4	

Plate 1

Boring/ Excavation Percolation Testing Field Log

Date 11/29/2021

Project Location	Cal City Substation	Boring /Test Number	PT-2
Earth Description	Alluvium	Diameter of Boring	8"
Tested By	Anselm	Diameter of Casing	3"
Liquid Description	Clear tap water	Depth of Boring	5' / Perc Test (0' to 5')
Measurement Method	Sounding	Depth to Water Table	Deeper than 30'
		Initial Water Depth (d1)	5'

1st Pre-Soak	9:22 to 9:52 am, 30" drop	Water Remaining in Boring (Y/N)	Y
2nd Pre-Soak	10:00 to 10:30 am, 24" drop	Standard Time Interval Between Readings	10 Min

Reading Number	Time Start/End (hrs:mins)	Measurements Start/End (in)	Elapsed Time (mins)	Water Drop During Standard Time Interval (in)	Percolation Rate for Reading (in/hr.)	Soil Description/ Notes/ Comments
	10:52	3.0				Silty, clayey sand (SM-SC)
1	11:02	10.2	10	7.20	43.2	
	11:03	3.6				
2	11:13	10.6	10	7.00	42.0	
	11:14	4.1				
3	11:24	10.7	10	6.60	39.6	
	11:25	2.4				
4	11:35	8.9	10	6.50	39.0	
	11:36	3.3				
5	11:46	10.1	10	6.80	40.8	
	11:47	4.9				
6	11:57	11.6	10	6.70	40.2	
	11:58	3.0				
7	12:08	9.7	10	6.70	40.2	
	12:09	1.4				
8	12:19	8.2	10	6.80	40.8	

Appendix I
Radius Search List

Cal City Project
California City
Edwards, CA 93523

Inquiry Number: 06704966.5r
October 15, 2021

EDR Area / Corridor Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Mapped Sites Summary	2
Key Map	19
Map Findings Summary	20
Focus Maps	25
Map Findings	162
Orphan Summary	OR-1
Government Records Searched/Data Currency Tracking	GR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

SUBJECT PROPERTY INFORMATION

ADDRESS

CALIFORNIA CITY
EDWARDS, CA 93523

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

A review of the NPL list, as provided by EDR, and dated 07/29/2021 has revealed that there is 1 NPL site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA Cerclis ID:: 902725 EPA Id: CA1570024504	***AFFTC EDWARDS AFB***	***Region / **********	***161***

Federal CERCLIS list

SEMS: Superfund Enterprise Management System

A review of the SEMS list, as provided by EDR, and dated 07/29/2021 has revealed that there is 1 SEMS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA Site ID: 0902725 EPA Id: CA1570024504	***AFFTC EDWARDS AFB***	***Region / **********	***161***

EXECUTIVE SUMMARY

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 CORRACTS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA EPA ID:: CA1570024504	***AFFTC EDWARDS AFB***	***Region / **********	***161***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

A review of the RCRA-TSDF list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 RCRA-TSDF site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA EPA ID:: CA1570024504	***AFFTC EDWARDS AFB***	***Region / **********	***161***

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 RCRA-LQG site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA EPA ID:: CA1570024504	***AFFTC EDWARDS AFB***	***Region / **********	***161***

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A review of the US ENG CONTROLS list, as provided by EDR, and dated 05/17/2021 has revealed that there is 1 US ENG CONTROLS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA EPA ID:: CA1570024504 EPA ID:: CA1570024504	***AFFTC EDWARDS AFB***	***Region / **********	***161***

EXECUTIVE SUMMARY

US INST CONTROLS: Institutional Controls Sites List

A review of the US INST CONTROLS list, as provided by EDR, and dated 05/17/2021 has revealed that there is 1 US INST CONTROLS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA	***AFFTC EDWARDS AFB***	***Region / **********	***161***
EPA ID:: CA1570024504			

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/22/2021 has revealed that there is 1 ENVIROSTOR site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA	***AFFTC EDWARDS AFB***	***Region / **********	***161***
Facility Id: 15970001			
Status: Active			

State and tribal registered storage tank lists

UST: Active UST Facilities

A review of the UST list, as provided by EDR, has revealed that there is 1 UST site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
SEGS III-VII	41100 HIGHWAY 395	B3 / 54	623
Database: UST, Date of Government Version: 06/03/2021			
Facility Id: 87014100			

AST: Aboveground Petroleum Storage Tank Facilities

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
SEGS III-VII	41100 HWY 395	B4 / 54	623
Database: AST, Date of Government Version: 07/06/2016			

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Historical Calsites Database

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA	***AFFTC EDWARDS AFB***	***Region / **********	***161***

PFAS: PFAS Contamination Site Location Listing

A review of the PFAS list, as provided by EDR, and dated 06/04/2021 has revealed that there is 1 PFAS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA	***AFFTC EDWARDS AFB***	***Region / **********	***161***

Local Land Records

DEED: Deed Restriction Listing

A review of the DEED list, as provided by EDR, and dated 05/28/2021 has revealed that there is 1 DEED site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA Status: ACTIVE Envirostor ID: 15970001	***AFFTC EDWARDS AFB***	***Region / **********	***161***

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 3 RCRA NonGen / NLR sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
KRAMER SERVICES EPA ID:: CAC002986965	40716 HIGHWAY 395	C6 / 54	624
STATE OF CALIFORNIA EPA ID:: CAC002989652	40716 US HIGHWAY 395	C7 / 54	627
STATE OF CALIFORNIA EPA ID:: CAC002972588	40716 US HIGHWAY 395	C9 / 54	630

EXECUTIVE SUMMARY

DOD: Department of Defense Sites

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA		Region / **********	621

ROD: Records Of Decision

A review of the ROD list, as provided by EDR, and dated 07/29/2021 has revealed that there is 1 ROD site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA EPA ID:: CA1570024504	***AFFTC EDWARDS AFB***	***Region / **********	***161***

RAATS: RCRA Administrative Action Tracking System

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA Status: 20 Facility ID: CA1570024504	***AFFTC EDWARDS AFB***	***Region / **********	***161***

PRP: Potentially Responsible Parties

A review of the PRP list, as provided by EDR, and dated 12/30/2020 has revealed that there is 1 PRP site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA	***AFFTC EDWARDS AFB***	***Region / **********	***161***

ICIS: Integrated Compliance Information System

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there is 1 ICIS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA FRS ID:: 110000908466	***AFFTC EDWARDS AFB***	***Region / **********	***161***

EXECUTIVE SUMMARY

US AIRS: Aerometric Information Retrieval System Facility Subsystem

A review of the US AIRS list, as provided by EDR, has revealed that there is 1 US AIRS site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA	***AFFTC EDWARDS AFB***	***Region / **********	***161***
Database: US AIRS (AFS), Date of Government Version: 10/12/2016			
EPA plant ID:: 110000908466			

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 05/05/2021 has revealed that there are 3 FINDS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA		A2 / 49	622
Registry ID:: 110065294363			
KRAMER SERVICES	***40716 HIGHWAY 395***	***C8 / 54***	***629***
Registry ID:: 110070439251			
STATE OF CALIFORNIA	***40716 US HIGHWAY 395***	***C11 / 54***	***634***
Registry ID:: 110070408073			

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A review of the DOCKET HWC list, as provided by EDR, and dated 05/06/2021 has revealed that there is 1 DOCKET HWC site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA	***AFFTC EDWARDS AFB***	***Region / **********	***161***

ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 06/26/2021 has revealed that there are 3 ECHO sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
NORTH EDWARDS WD		A1 / 49	622
Registry ID: 110013132387			
KRAMER SERVICES	***40716 HIGHWAY 395***	***C8 / 54***	***629***
Registry ID: 110070439251			
STATE OF CALIFORNIA	***40716 US HIGHWAY 395***	***C11 / 54***	***634***
Registry ID: 110070408073			

EXECUTIVE SUMMARY

HAZNET: Facility and Manifest Data

A review of the HAZNET list, as provided by EDR, and dated 12/31/2019 has revealed that there are 2 HAZNET sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
STATE OF CALIFORNIA GEPAID: CAC002989652	***40716 US HIGHWAY 395***	***C5 / 54***	***624***
GRANITE CONSTRUCTION GEPAID: CAC002666564	***40716 US HIGHWAY 395***	***C10 / 54***	***632***

ICE: ICE

A review of the ICE list, as provided by EDR, and dated 05/14/2021 has revealed that there is 1 ICE site within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA	***AFFTC EDWARDS AFB***	***Region / **********	***161***

HWTS: Hazardous Waste Tracking System

A review of the HWTS list, as provided by EDR, and dated 07/13/2021 has revealed that there are 4 HWTS sites within the requested target property.

Site	Address	Map ID / Focus Map(s)	Page
STATE OF CALIFORNIA	***40716 US HIGHWAY 395***	***C5 / 54***	***624***
GRANITE CONSTRUCTION	***40716 US HIGHWAY 395***	***C10 / 54***	***632***
KRAMER SERVICES	40716 HIGHWAY 395	C12 / 54	634
STATE OF CALIFORNIA	40716 US HIGHWAY 395	C13 / 54	635

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 07/29/2021 has revealed that there

is 1 SEMS-ARCHIVE site within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
US BORAX INC Site ID: 0904521 EPA Id: CAD008323255	***14486 BORAX RD.***	***E 1/4 - 1/2 (0.287 mi.)***	***AD259 / 51***	***1451***

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 CORRACTS sites within approximately 2 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
US BORAX INC EPA ID:: CAD008323255	***14486 BORAX RD.***	***E 1/4 - 1/2 (0.287 mi.)***	***AD259 / 51***	***1451***
USNASA JET PROPULSIO EPA ID:: CA2570090512	***NORTH BASE RD EDWARD***	***E 1/2 - 1 (0.648 mi.)***	***491 / 48***	***2102***

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

A review of the RCRA-TSDF list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 RCRA-TSDF site within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
USNASA JET PROPULSIO EPA ID:: CA2570090512	***NORTH BASE RD EDWARD***	***E 1/2 - 1 (0.648 mi.)***	***491 / 48***	***2102***

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 3 RCRA-LQG sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LUZ SOLAR PARTNERS I EPA ID:: CAL000301046	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E52 / 54***	***751***
LUZ SOLAR PARTNERS I EPA ID:: CAD981620446	41100 US HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E77 / 54	788
US BORAX INC EPA ID:: CAD008323255	***14486 BORAX RD.***	***E 1/4 - 1/2 (0.287 mi.)***	***AD259 / 51***	***1451***

RCRA-SQG: RCRA - Small Quantity Generators

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 6 RCRA-SQG sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LUZ ENGINEERING CORP EPA ID:: CAD981620388	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E76 / 54	786
LUZ ENGINEERING CORP EPA ID:: CAD981620321	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E84 / 54	947
MOJAVE COGENERATION EPA ID:: CAD983658519	BORAX RD 3/4 MI N OF	N 1/4 - 1/2 (0.257 mi.)	211 / 51	1277
BORON AUTO BODY EPA ID:: CAD982462855	***26049 20 MULETEAM RD***	***N 1/2 - 1 (0.623 mi.)***	***BM483 / 52***	***2094***
CIRCLE K STORE #749 EPA ID:: CAD981679574	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
MUROC JT UNIF SCHL D EPA ID:: CAR000092932	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD591 / 52***	***2286***

Federal ERNS list

ERNS: Emergency Response Notification System

A review of the ERNS list, as provided by EDR, and dated 06/14/2021 has revealed that there are 60 ERNS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
Not reported	BLOUGNT INTERNATIONA	WSW 0 - 1/8 (0.016 mi.)	D18 / 54	643
Not reported	BLOUNT INTL/HWY 58X	WSW 0 - 1/8 (0.016 mi.)	D19 / 54	644
Not reported NRC Report #: 125880 Incident Date Time: 1992-07-09 12:17:00	41100 HY 395	ENE 0 - 1/8 (0.021 mi.)	E26 / 54	669
Not reported NRC Report #: 1047985 Incident Date Time: 2013-05-22 12:05:00	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E41 / 54	740
Not reported NRC Report #: 1081026 Incident Date Time: 2014-04-27 16:13:00	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E42 / 54	740
Not reported NRC Report #: 253406 Incident Date Time: 1994-08-02 08:45:00	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E44 / 54	741
Not reported NRC Report #: 486866 Incident Date Time: 1999-05-22 11:30:00	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E45 / 54	742
Not reported NRC Report #: 777129 Incident Date Time: 2005-10-21 17:10:00	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E47 / 54	743
Not reported NRC Report #: 842273	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E54 / 54	757

Incident Date Time: 2007-07-16 10:00:00

Not reported	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E55 / 54	757
NRC Report #: 915793 Incident Date Time: 2009-08-23 18:30:00				
Not reported	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E56 / 54	757
NRC Report #: 952294 Incident Date Time: 2010-08-27 09:55:00				
Not reported	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E62 / 54	771
NRC Report #: 827678 Incident Date Time: 2007-02-27 10:50:00				
Not reported	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E65 / 54	774
NRC Report #: 783858 Incident Date Time: 2005-12-30 06:30:00				
Not reported	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E70 / 54	780
NRC Report #: 788162 Incident Date Time: 2006-02-15 11:43:00				
Not reported	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E71 / 54	780
NRC Report #: 784701 Incident Date Time: 2006-01-09 15:40:00				
Not reported	HWY 395 AND HWY 58	ENE 0 - 1/8 (0.028 mi.)	G99 / 54	958
NRC Report #: 378005 Incident Date Time: 1997-02-25 08:00:00				
Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD224 / 51	1297
NRC Report #: 766206 Incident Date Time: 2005-07-17 12:00:00				
Not reported	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD225 / 51	1297
NRC Report #: 816307 Incident Date Time: 2006-10-26 03:00:00				
Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD230 / 51	1319
NRC Report #: 737978 Incident Date Time: 2004-10-10 08:00:00				
Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD231 / 51	1320
NRC Report #: 863030 Incident Date Time: 2008-02-20 16:30:00				
Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD232 / 51	1320
NRC Report #: 866030 Incident Date Time: 2008-03-25 09:00:00				
Not reported	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD234 / 51	1321
NRC Report #: 952332 Incident Date Time: 2010-08-26 16:30:00				
Not reported	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD235 / 51	1321
NRC Report #: 749761 Incident Date Time: 2005-02-10 12:00:00				
Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD236 / 51	1321
NRC Report #: 855538 Incident Date Time: 2007-11-26 12:30:00				
Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD237 / 51	1322
NRC Report #: 913818 Incident Date Time: 2009-08-04 07:30:00				
Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD278 / 51	1562

NRC Report #: 1045509
Incident Date Time: 2013-04-29 08:15:00

Not reported	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD280 / 51	1571

NRC Report #: 735774
Incident Date Time: 2004-09-20 07:00:00

Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD281 / 51	1571

NRC Report #: 621165
Incident Date Time: 2002-08-26 10:00:00

Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD283 / 51	1572

NRC Report #: 656488
Incident Date Time: 2003-09-10 07:00:00

Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD284 / 51	1572

NRC Report #: 1302362
Incident Date Time: 4/9/2021 10:00

Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD286 / 51	1715

NRC Report #: 1179035
Incident Date Time: 2017-05-21 05:30:00

Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD287 / 51	1715

NRC Report #: 633663
Incident Date Time: 2003-01-08 06:00:00

Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD288 / 51	1715

NRC Report #: 1173493
Incident Date Time: 2017-03-17 05:00:00

Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD289 / 51	1716

NRC Report #: 1301634
Incident Date Time: 3/30/2021 10:30

Not reported	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD290 / 51	1716

NRC Report #: 1165846
Incident Date Time: 2016-12-07 07:00:00

Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD292 / 51	1716

NRC Report #: 1034395
Incident Date Time: 2012-12-28 10:00:00

Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD293 / 51	1717

NRC Report #: 545095
Incident Date Time: 2000-10-11 12:00:00

Not reported	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD294 / 51	1717

NRC Report #: 960230
Incident Date Time: 2010-11-18 07:45:00

Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD295 / 51	1717

NRC Report #: 1034685
Incident Date Time: 2012-12-28 10:00:00

Not reported	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD296 / 51	1717

NRC Report #: 1123070
Incident Date Time: 2015-07-17 09:30:00

Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD297 / 51	1718

NRC Report #: 1098732
Incident Date Time: 2014-10-18 20:00:00

Not reported	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD298 / 51	1718

NRC Report #: 958131

Incident Date Time: 2010-10-22 21:20:00				
Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD299 / 51	1718
NRC Report #: 615747 Incident Date Time: 2002-07-01 16:30:00				
Not reported	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD300 / 51	1718
NRC Report #: 1028487 Incident Date Time: 2012-10-26 20:15:00				
Not reported	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD301 / 51	1719
NRC Report #: 1022826 Incident Date Time: 2012-08-30 19:00:00				
Not reported	230 DESERT BREEZE DR	W 1/4 - 1/2 (0.325 mi.)	AH315 / 20	1737
NRC Report #: 1283697 Incident Date Time: 8/3/2020 15:59				
Not reported	230 DESERT BREEZE DR	W 1/4 - 1/2 (0.325 mi.)	AH316 / 20	1738
NRC Report #: 1283886 Incident Date Time: 8/3/2020 15:59				
Not reported	13549 FLINT ST	S 1/4 - 1/2 (0.445 mi.)	364 / 49	1830
NRC Report #: 317523 Incident Date Time: 1995-12-18 10:15:00				
Not reported	11933 NANCY AVE	N 1/4 - 1/2 (0.466 mi.)	AU373 / 52	1838
NRC Report #: 1252319 Incident Date Time: 7/16/2019 2:00				
Not reported	187 CAMPFIRE DR.	W 1/4 - 1/2 (0.471 mi.)	AT377 / 20	1842
NRC Report #: 949111 Incident Date Time: 2010-07-27 19:34:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU528 / 42	2175
NRC Report #: 1007012 Incident Date Time: 2012-03-26 20:15:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU529 / 42	2175
NRC Report #: 1018205 Incident Date Time: 2012-07-17 23:00:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU532 / 42	2181
NRC Report #: 1147520 Incident Date Time: 2016-05-09 14:00:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU533 / 42	2181
NRC Report #: 1147366 Incident Date Time: 2016-05-09 14:30:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU534 / 42	2181
NRC Report #: 1097783 Incident Date Time: 2014-10-08 16:00:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU535 / 42	2182
NRC Report #: 1076264 Incident Date Time: 2014-03-10 06:00:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU536 / 42	2182
NRC Report #: 961364 Incident Date Time: 2010-12-03 10:00:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU538 / 42	2182
NRC Report #: 1026041 Incident Date Time: 2012-09-30 03:00:00				
Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU539 / 42	2183

NRC Report #: 1054441
Incident Date Time: 2013-07-19 06:00:00

Not reported	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU540 / 42	2183
NRC Report #: 961653 Incident Date Time: 2010-12-07 11:00:00				

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

A review of the RESPONSE list, as provided by EDR, has revealed that there is 1 RESPONSE site within approximately 2 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
MOJAVE GUNNERY RANGE	***2 MILE SW OF 21000 H***	***SSE 1 - 2 (1.236 mi.)***	***660 / 20***	***2487***
Database: RESPONSE, Date of Government Version: 07/22/2021 Status: Active Facility Id: 80000950				

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/22/2021 has revealed that there are 9 ENVIROSTOR sites within approximately 2 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
KRAMER POTASH PLANT Facility Id: 80000882 Status: Inactive - Needs Evaluation		ENE 1/8 - 1/4 (0.213 mi.)	Y203 / 54	1268
US BORAX AND CHEMICA Facility Id: 15280001 Status: Refer: RCRA	HIGHWAY 58	E 1/8 - 1/4 (0.242 mi.)	AA208 / 51	1275
CALIFORNIA CITY HIGH Facility Id: 15650002 Status: No Action Required	***MENDIBURU ROAD/RUSCH***	***WSW 1/4 - 1/2 (0.433 mi.)***	***AR358 / 20***	***1818***
NASA JET PROPULSION Facility Id: 80001245 Status: Refer: SMBRP	***NORTH BASE RD, EDWAR***	***E 1/2 - 1 (0.770 mi.)***	***BV544 / 48***	***2201***
BORON AFS Z-59 Facility Id: 80000352 Status: Inactive - Needs Evaluation		WSW 1/2 - 1 (0.789 mi.)	BW548 / 36	2211
USARC OUTDOOR TRAINI Facility Id: 80000497 Status: Inactive - Needs Evaluation		ENE 1/2 - 1 (0.941 mi.)	CH613 / 45	2391
MOJAVE GUNNERY RANGE Facility Id: 80000950	***2 MILE SW OF 21000 H***	***SSE 1 - 2 (1.236 mi.)***	***660 / 20***	***2487***

Status: Active

US BORAX INC	***HIGHWAY 58***	***N 1 - 2 (1.388 mi.)***	***CQ663 / 42***	***2503***
Facility Id: 80001552 Status: No Action Required				
NASA - DRYDEN FLIGHT	BLDG 4800 EDWARDS AF	SSE 1 - 2 (1.564 mi.)	CR666 / 57	2630
Facility Id: 80001283 Status: Refer: SMBRP				

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Information System

A review of the SWF/LF list, as provided by EDR, has revealed that there are 4 SWF/LF sites within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CALTRANS BEECHERS MA	***40400 JCT US 395***	***ENE 0 - 1/8 (0.018 mi.)***	***20 / 54***	***644***
Database: SWF/LF (SWIS), Date of Government Version: 05/10/2021 Facility ID: 36-AA-0468 Operational Status: Active Regulation Status: Notification				
KERN COUNTY PUBLIC W	***11400 BORON AVENUE***	***S 0 - 1/8 (0.083 mi.)***	***M142 / 52***	***1160***
Database: SWF/LF (SWIS), Date of Government Version: 05/10/2021 Facility ID: 15-AA-0045 Operational Status: Active Regulation Status: Permitted				
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
Database: SWF/LF (SWIS), Date of Government Version: 05/10/2021 Facility ID: 15-AA-0278 Operational Status: Active Regulation Status: Permitted				
CALIFORNIA CITY CLEA	***20890 HACIENDA BLVD***	***SSE 1 - 2 (1.373 mi.)***	***662 / 20***	***2502***
Database: SWF/LF (SWIS), Date of Government Version: 05/10/2021 Facility ID: 15-AA-0409 Operational Status: Closed Regulation Status: Notification				

State and tribal leaking storage tank lists

LUST: Geotracker's Leaking Underground Fuel Tank Report

A review of the LUST list, as provided by EDR, has revealed that there are 20 LUST sites within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FEDERAL PRISON CAMP	***HWY 395***	***WSW 0 - 1/8 (0.023 mi.)***	***D86 / 54***	***951***
Database: LUST REG 6V, Date of Government Version: 06/07/2005 Status: Leak being confirmed				
FOUR CORNERS ARCO AM	***5121 HIGHWAY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T188 / 54***	***1247***
Database: LUST, Date of Government Version: 06/03/2021				

Status: Completed - Case Closed
Global Id: T10000008391

US BORAX PLANT ***14486 BORAX ROAD*** ***E 1/4 - 1/2 (0.287 mi.)*** ***AD269 / 51*** ***1520***
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Close Date: 8/31/1992
Status: Case Closed

US BORAX BORON OPERA ***14486 BORAX RD*** ***E 1/4 - 1/2 (0.287 mi.)*** ***AD285 / 51*** ***1572***
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T060292419

FOUR CORNERS UNOCAL ***2851 STATE HWY 58*** ***N 1/4 - 1/2 (0.425 mi.)*** ***AQ351 / 53*** ***1793***
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T0607100716
Status: Post remedial action monitoring

FOUR CORNERS CHEVRON ***2852 HWY 58*** ***N 1/4 - 1/2 (0.432 mi.)*** ***AQ356 / 53*** ***1806***
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T0607100862
Status: Post remedial action monitoring

JC FENNEL & SONS ***27401 20 MULE TEAM R*** ***N 1/2 - 1 (0.541 mi.)*** ***BA426 / 53*** ***2014***
Database: LUST REG 6V, Date of Government Version: 06/07/2005

JC FENNELL & SONS GA ***27401 20 MULE TEAM R*** ***N 1/2 - 1 (0.541 mi.)*** ***BA429 / 53*** ***2018***
Database: LUST, Date of Government Version: 06/03/2021
Status: Open - Site Assessment
Global Id: T0602900888

JIMMY'S LUBE AND DET ***27195 TWENTY MULE TE*** ***N 1/2 - 1 (0.549 mi.)*** ***AZ439 / 52*** ***2033***
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T0602901008
Status: Pollution Characterization

GEPHART SCHOOL T11N R7W SECTION 19 N 1/2 - 1 (0.685 mi.) BP500 / 52 2126
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T0602900893

GEPHART SCHOOL ***T11N R7W SECTION 19*** ***N 1/2 - 1 (0.685 mi.)*** ***BP501 / 52*** ***2127***
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Close Date: 9/28/1995
Status: Case Closed

FEDERAL PRISON CAMP ***HWY 395*** ***WSW 1/2 - 1 (0.700 mi.)*** ***510 / 36*** ***2141***
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T0602900834

KERN CO FIRE DEPT ST ***26965 COTE ST*** ***N 1/2 - 1 (0.795 mi.)*** ***BX554 / 52*** ***2215***
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T0602900899

COUNTY OF KERN ***26965 COTE ST*** ***N 1/2 - 1 (0.795 mi.)*** ***BX558 / 52*** ***2225***
Database: LUST REG 6V, Date of Government Version: 06/07/2005

Status: Remediation Plan

CIRCLE K #749 ***12366 BORON AVE*** ***N 1/2 - 1 (0.858 mi.)*** ***CB576 / 52*** ***2243***
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Close Date: 10/24/1995
Status: Case Closed

CIRCLE K STORE #749 ***12366 BORON AVE*** ***N 1/2 - 1 (0.858 mi.)*** ***CB577 / 52*** ***2246***
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T0602900961

BORON MAINTENANCE FA ***26653 PROSPECT AVENU*** ***N 1/2 - 1 (0.869 mi.)*** ***CD586 / 52*** ***2281***
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Close Date: 3/14/1997
Status: Case Closed

BORON HIGH SCHOOL ***26653 PROSPECT*** ***N 1/2 - 1 (0.869 mi.)*** ***CD600 / 52*** ***2367***
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T060299521

SILVER SADDLE RANCH 20751 ARISTOTLE DR N 1 - 2 (1.083 mi.) CK635 / 5 2435
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Database: LUST, Date of Government Version: 06/03/2021
Status: Completed - Case Closed
Global Id: T0602900974
Status: Remedial action (cleanup) Underway

BLDG 4318 ***NORTHBASE*** ***SE 1 - 2 (1.364 mi.)*** ***661 / 49*** ***2500***
Database: LUST REG 6V, Date of Government Version: 06/07/2005
Close Date: 11/5/1998
Status: Case Closed

CPS-SLIC: Statewide SLIC Cases

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 2 CPS-SLIC sites within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BORON MINE FACILITY	***14486 BORAX RD.***	***E 1/4 - 1/2 (0.287 mi.)***	***AD245 / 51***	***1330***
Database: CPS-SLIC, Date of Government Version: 06/03/2021 Facility Status: Open - Remediation Global Id: SL206073825				
U S BORAX INC	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD272 / 51***	***1538***
Database: SLIC REG 6V, Date of Government Version: 05/24/2005 Facility Id: SL206073825 Case Status: 7				

State and tribal registered storage tank lists

UST: Active UST Facilities

A review of the UST list, as provided by EDR, has revealed that there are 38 UST sites within

approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FOUR CORNERS SERVICE Database: UST, Date of Government Version: 06/03/2021 Facility Id: 86007828	40808 STATE HIGHWAY	ENE 0 - 1/8 (0.023 mi.)	F88 / 54	954
PILOT TRAVEL CENTER Database: UST, Date of Government Version: 06/03/2021 Facility Id: FA0005327	5725 HWY 58	WSW 0 - 1/8 (0.040 mi.)	D119 / 54	1033
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	13043 LAMEL ST	N 0 - 1/8 (0.047 mi.)	I124 / 49	1041
ROCKET SITE MINI MAR Database: KERN CO. UST, Date of Government Version: 07/06/2021 Facility ID: FA0002643	24009 TWENTY MULE TE	E 0 - 1/8 (0.071 mi.)	H133 / 51	1082
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	13100 LAMEL	N 0 - 1/8 (0.089 mi.)	N151 / 49	1179
FOUR CORNERS CHEVRON Database: UST, Date of Government Version: 06/03/2021 Facility Id: FA0003323	5852 HWY 58	ENE 0 - 1/8 (0.114 mi.)	P155 / 54	1181
FOUR CORNERS ARCO AM Database: UST, Date of Government Version: 06/03/2021 Facility Id: 97044755	5121 HWY 58	N 1/8 - 1/4 (0.149 mi.)	T178 / 54	1213
CEDAR LANDMARK INC Database: UST, Date of Government Version: 06/03/2021 Facility Id: FA0003322	5121 HWY 58	N 1/8 - 1/4 (0.149 mi.)	T186 / 54	1221
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	16634 BELLAIRE	N 1/8 - 1/4 (0.167 mi.)	U191 / 49	1255
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	16748 BELLAIRE	N 1/8 - 1/4 (0.168 mi.)	V195 / 49	1258
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	16827 MOUNTAIN VIEW	S 1/8 - 1/4 (0.169 mi.)	W197 / 40	1259
HILLMANN'S HARDWARE Database: KERN CO. UST, Date of Government Version: 07/06/2021	13700 GULF ST	S 1/8 - 1/4 (0.227 mi.)	Z205 / 40	1273
HOLLAND PROPERTY Database: KERN CO. UST, Date of Government Version: 07/06/2021 Facility ID: FA0003680	16726 ALEXANDER AVE	N 1/4 - 1/2 (0.258 mi.)	212 / 49	1281
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	13319 LAMEL	N 1/4 - 1/2 (0.263 mi.)	AB214 / 49	1283
U S BORAX INC Database: KERN CO. UST, Date of Government Version: 07/06/2021 Database: UST, Date of Government Version: 06/03/2021 Facility ID: FA0000958	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD246 / 51	1332
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	16977 MONTEREY	S 1/4 - 1/2 (0.328 mi.)	AI318 / 49	1739
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	16794 VISTA DEL ORA	N 1/4 - 1/2 (0.363 mi.)	AK329 / 49	1752
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	13415 LAMEL ST	N 1/4 - 1/2 (0.396 mi.)	AL332 / 49	1755
PRIVATE RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	13585 GILBERT	S 1/4 - 1/2 (0.401 mi.)	AM336 / 49	1758

EXECUTIVE SUMMARY

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FOUR CORNERS UNION Database: UST, Date of Government Version: 06/03/2021 Facility Id: FA0003325	6158 HWY 58 B	E 1/4 - 1/2 (0.471 mi.)	AV382 / 55	1846
PARKER RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021 Database: UST, Date of Government Version: 06/03/2021 Facility ID: FA0003543	16705 GLENDOWER	S 1/4 - 1/2 (0.498 mi.)	AX399 / 49	1884
FENNELL & SON'S GARA Database: KERN CO. UST, Date of Government Version: 07/06/2021	27401 20 MULE TEAM R	N 1/2 - 1 (0.541 mi.)	BA425 / 53	2013
ELIZABETH DYSON PROP Database: KERN CO. UST, Date of Government Version: 07/06/2021 Facility ID: FA0032205	27201 TWENTY MULE TE	N 1/2 - 1 (0.548 mi.)	AZ433 / 52	2027
BORON SERVICE STATIO Database: KERN CO. UST, Date of Government Version: 07/06/2021 Database: UST, Date of Government Version: 06/03/2021 Facility Id: FA0002920 Facility ID: FA0002920	27195 TWENTY MULE TE	N 1/2 - 1 (0.549 mi.)	AZ448 / 52	2047
JIMS MOBIL SERV Database: KERN CO. UST, Date of Government Version: 07/06/2021 Facility ID: FA0003177	27127 TWENTY MULE TE	N 1/2 - 1 (0.551 mi.)	BC450 / 52	2050
FOUR CORNERS UNION Database: UST, Date of Government Version: 06/03/2021 Facility Id: 86008104	6258 HWY 58	E 1/2 - 1 (0.583 mi.)	470 / 55	2082
RESIDENCE Database: KERN CO. UST, Date of Government Version: 07/06/2021	12429 DEL ORO ST	ENE 1/2 - 1 (0.594 mi.)	BJ475 / 52	2085
DEBORD-PRIVATE RESID Database: KERN CO. UST, Date of Government Version: 07/06/2021	27044 ANDERSON ST	N 1/2 - 1 (0.693 mi.)	BQ503 / 52	2130
KERN COUNTY FIRE DEP Database: KERN CO. UST, Date of Government Version: 07/06/2021	26965 COTE ST	N 1/2 - 1 (0.795 mi.)	BX550 / 52	2213
BORON SHELL Database: KERN CO. UST, Date of Government Version: 07/06/2021 Database: UST, Date of Government Version: 06/03/2021 Facility Id: FA0005278 Facility ID: FA0005278	12366 BORON AVE	N 1/2 - 1 (0.858 mi.)	CB571 / 52	2238
U S BORAX INC Database: UST, Date of Government Version: 06/03/2021 Facility Id: FA0000958	BORAX RD 1-MI N OF H	N 1/2 - 1 (0.865 mi.)	582 / 52	2278
MUROC JOINT USD-MAIN Database: KERN CO. UST, Date of Government Version: 07/06/2021 Facility ID: FA0001116	26653 PROSPECT ST	N 1/2 - 1 (0.869 mi.)	CD587 / 52	2283
SILVER SADDLE RANCH Database: KERN CO. UST, Date of Government Version: 07/06/2021	20755 ARISTOTLE DR	NNW 1 - 2 (1.168 mi.)	CM642 / 5	2454
CAL CITY BUSINESS PA Database: KERN CO. UST, Date of Government Version: 07/06/2021	8203 DOGBANE RD	SW 1 - 2 (1.200 mi.)	646 / 19	2456
PARK MAINTENANCE YAR Database: KERN CO. UST, Date of Government Version: 07/06/2021	10400 HEATHER	S 1 - 2 (1.205 mi.)	CN650 / 20	2460
CITY OF CALIF PARKS Database: KERN CO. UST, Date of Government Version: 07/06/2021	10460 HEATHER AVE	S 1 - 2 (1.205 mi.)	CO652 / 20	2461

Facility ID: FA0003397

#7701 FASTRIP #45	8601 CALIFORNIA CITY	SSW 1 - 2 (1.205 mi.)	CP655 / 20	2465
Database: KERN CO. UST, Date of Government Version: 07/06/2021 Database: UST, Date of Government Version: 06/03/2021 Facility ID: FA0003400				
FASTRIP #45	8601 CALIFORNIA CITY	SSW 1 - 2 (1.205 mi.)	CP657 / 20	2480
Database: KERN CO. UST, Date of Government Version: 07/06/2021 Database: UST, Date of Government Version: 06/03/2021 Facility Id: FA0003400				

AST: Aboveground Petroleum Storage Tank Facilities

A review of the AST list, as provided by EDR, has revealed that there are 7 AST sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
SEGS III-VII	41100 US HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E46 / 54	742
Database: AST, Date of Government Version: 07/06/2016				
U S BORAX INC	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD272 / 51***	***1538***
Database: AST, Date of Government Version: 07/06/2016				
U S BORAX INC	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD282 / 51	1571
Database: AST, Date of Government Version: 07/06/2016				
MUROC JOINT USD-MAIN	26653 PROSPECT ST	N 1/2 - 1 (0.869 mi.)	CD597 / 52	2365
Database: AST, Date of Government Version: 07/06/2016				
MUROC JOINT USD-MAIN	26653 PROSPECT	N 1/2 - 1 (0.869 mi.)	CD598 / 52	2366
Database: AST, Date of Government Version: 07/06/2016				
SILVER SADDLE RANCH	20751 ARISTOTLE DR	N 1 - 2 (1.083 mi.)	CK634 / 5	2434
Database: AST, Date of Government Version: 07/06/2016				
SILVER SADDLE RANCH	20751 ARISTOTLE	N 1 - 2 (1.083 mi.)	CK636 / 5	2443
Database: AST, Date of Government Version: 07/06/2016				

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 5 WMUDS/SWAT sites within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
SEGS X HARPER LAKE	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E27 / 54	669
SEGS III-VII KRAMER	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E28 / 54	670
SEGS 3-7 BIOREMEDIAT	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E29 / 54	671
BORON CLASS III LAND	***5 MI SO OF BORON***	***S 0 - 1/8 (0.075 mi.)***	***L138 / 52***	***1104***
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***

SWRCY: Recycler Database

A review of the SWRCY list, as provided by EDR, and dated 06/04/2021 has revealed that there is 1 SWRCY site within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
GREEN FIELD RECYCLE Cert Id: RC293259.001	12025 GARDINER ST	N 1/2 - 1 (0.583 mi.)	BH471 / 52	2082

Local Lists of Hazardous waste / Contaminated Sites

SCH: School Property Evaluation Program

A review of the SCH list, as provided by EDR, and dated 07/22/2021 has revealed that there is 1 SCH site within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CALIFORNIA CITY HIGH Facility Id: 15650002 Status: No Action Required	***MENDIBURU ROAD/RUSCH***	***WSW 1/4 - 1/2 (0.433 mi.)***	***AR358 / 20***	***1818***

CERS HAZ WASTE: CERS HAZ WASTE

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/15/2021 has revealed that there are 18 CERS HAZ WASTE sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LUZ SOLAR PARTNERS I	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E78 / 54***	***796***
PILOT TRAVEL CENTER	***5725 HWY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D108 / 54***	***968***
KERN COUNTY PUBLIC W	***11400 BORON AVENUE***	***S 0 - 1/8 (0.083 mi.)***	***M142 / 52***	***1160***
FOUR CORNERS CHEVRON	***5852 HWY 58***	***ENE 0 - 1/8 (0.114 mi.)***	***P157 / 54***	***1182***
CEDAR LANDMARK INC	***5121 HWY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T187 / 54***	***1221***
SOUTHERN CALIFORNIA	***6501 HIGHWAY 58A***	***E 1/4 - 1/2 (0.284 mi.)***	***AD220 / 51***	***1291***
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
CHC CALIFORNIA CITY,	***20000 BUCKNELL CT***	***W 1/4 - 1/2 (0.355 mi.)***	***327 / 29***	***1749***
FOUR CORNERS UNION	***6158 HWY 58 B***	***E 1/4 - 1/2 (0.471 mi.)***	***AV385 / 55***	***1848***
CALIFORNIA CITY WAST	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY407 / 20***	***1964***
FAMILY DOLLAR #31432	***26645 20 MULE TEAM R***	***N 1/2 - 1 (0.577 mi.)***	***BH465 / 52***	***2066***
CASTROL PREMIUM LUBE	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT524 / 29***	***2160***
CIRCLE K STORE #749	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
MUROC JOINT USD-MAIN	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD592 / 52***	***2289***
DENNIS AUTOMOTIVE	***10521 YALE AVE***	***W 1/2 - 1 (0.984 mi.)***	***CJ625 / 20***	***2402***
REGAL GREEN REMEDIES	***7875 MENDIBURU RD***	***W 1 - 2 (1.130 mi.)***	***640 / 19***	***2451***
CHEMICAL SAFETY	***15 CLOVERFIELD LN***	***SSE 1 - 2 (1.164 mi.)***	***641 / 20***	***2453***
#7701 FASTRIP #45	***8601 CALIFORNIA CITY***	***SSW 1 - 2 (1.205 mi.)***	***CP656 / 20***	***2467***

Toxic Pits: Toxic Pits Cleanup Act Sites

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 Toxic Pits site within approximately 2 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
US BORAX, 6 NEW POND Closure Date: / / Task #: 06001 Status: ACTIVE	AND PONDS 4-6 / BORA	E 1/8 - 1/4 (0.242 mi.)	AA209 / 51	1276

PFAS: PFAS Contamination Site Location Listing

A review of the PFAS list, as provided by EDR, and dated 06/04/2021 has revealed that there are 2 PFAS sites within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BORON CLASS III LAND	5 MI SO OF BORON	S 0 - 1/8 (0.075 mi.)	L139 / 52	1134
CALIFORNIA CITY WTF	10835 NELSON DRIVE	S 1/2 - 1 (0.507 mi.)	AY406 / 20	1888

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 24 SWEEPS UST sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BEECHERS CORNER Status: A Tank Status: A Comp Number: 68110	***JCT HWYS 58 & 395***	***WSW 0 - 1/8 (0.013 mi.)***	***D15 / 54***	***637***
BOB'S CHEVRON Status: A Tank Status: A Comp Number: 8333	***SR395/HWY 58 KMR JCT***	***WSW 0 - 1/8 (0.019 mi.)***	***D21 / 54***	***647***
CAL TRANS DIST 8/NOR Comp Number: 815	HIGHWAYS 58 & 395	ENE 0 - 1/8 (0.028 mi.)	G93 / 54	956
ROCKET SITE MINI MAR Status: A Tank Status: A Comp Number: 54476	***24009 20 MULE TEAM R***	***E 0 - 1/8 (0.071 mi.)***	***H134 / 51***	***1084***
HAROLD W JOLLIFF Comp Number: 37255	***16634 BELLAIRE AVE***	***N 1/8 - 1/4 (0.167 mi.)***	***U193 / 49***	***1256***
WARREN J MEADER Comp Number: 7079	***16827 MOUNTAIN VIEW***	***S 1/8 - 1/4 (0.169 mi.)***	***W196 / 40***	***1258***
HILLMANN HARDWARE Comp Number: 12517	***13700 GUL ST***	***S 1/8 - 1/4 (0.227 mi.)***	***Z206 / 40***	***1273***
WAYNE WALTER	***13319 LAMEL***	***N 1/4 - 1/2 (0.263 mi.)***	***AB215 / 49***	***1283***

Comp Number: 12737				
U S BORAX AND CHEMIC Status: A Tank Status: A Comp Number: 16901	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD279 / 51***	***1562***
HOME Status: A Tank Status: A Comp Number: 34365	***16693 ALEXANDER***	***N 1/4 - 1/2 (0.313 mi.)***	***AG312 / 49***	***1735***
THOMAS W OWENS Comp Number: 7075	***16977 MONTEREY AVE***	***S 1/4 - 1/2 (0.328 mi.)***	***AI319 / 49***	***1740***
GERALD D PERRY Status: A Tank Status: A Comp Number: 51746	***13629 FLINT ST***	***S 1/4 - 1/2 (0.349 mi.)***	***325 / 49***	***1747***
GASOLINE TANK Comp Number: 9156	***13415 LAMEL***	***N 1/4 - 1/2 (0.396 mi.)***	***AL333 / 49***	***1755***
SUSAN G ROBERSON Comp Number: 15177	***13585 GILBERT ST***	***S 1/4 - 1/2 (0.401 mi.)***	***AM335 / 49***	***1757***
DAVID PARKER Status: A Tank Status: A Comp Number: 9754	16705 GLENDOWER ST	S 1/4 - 1/2 (0.498 mi.)	AX402 / 49	1886
JC FENNEL & SONS Comp Number: 9336	***27401 20 MULE TEAM R***	***N 1/2 - 1 (0.541 mi.)***	***BA426 / 53***	***2014***
JIMMY'S LUBE AND DET Status: A Tank Status: A Comp Number: 24209	***27195 TWENTY MULE TE***	***N 1/2 - 1 (0.549 mi.)***	***AZ439 / 52***	***2033***
KERN CO FIRE DEPT ST Comp Number: 18406	***26965 COTE ST***	***N 1/2 - 1 (0.795 mi.)***	***BX554 / 52***	***2215***
CIRCLE K #749 Comp Number: 13796	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB576 / 52***	***2243***
BORON HIGH SCHOOL Status: A Tank Status: A Comp Number: 32831	***26653 PROSPECT***	***N 1/2 - 1 (0.869 mi.)***	***CD600 / 52***	***2367***
ED SAUSER Status: A Tank Status: A Comp Number: 43169	***27022 PROSPECT ST***	***N 1/2 - 1 (0.902 mi.)***	***CG609 / 52***	***2388***
SILVER SADDLE RANCH Status: A Tank Status: A Comp Number: 550018	20755 ARISTOTLE DR	NNW 1 - 2 (1.168 mi.)	CM644 / 5	2455
CALIF. CITY PARK MAI Status: A Tank Status: A Comp Number: 920	***10400 HEATHER CENTRA***	***S 1 - 2 (1.205 mi.)***	***CN648 / 20***	***2458***
HOWARD'S MINI MART	8601 CALIFORNIA CITY	SSW 1 - 2 (1.205 mi.)	CP654 / 20	2464

Status: A
Tank Status: A
Comp Number: 550056

HIST UST: Hazardous Substance Storage Container Database

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 30 HIST UST sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FEDERAL PRISON CAMP Facility Id: 00000068870	***HWY 395***	***WSW 0 - 1/8 (0.023 mi.)***	***D86 / 54***	***951***
HOME FESIDENCE Facility Id: 00000012612	13043 LAMEL STREET	N 0 - 1/8 (0.047 mi.)	I125 / 49	1042
ROCKET SITE MINI MAR Facility Id: 00000054476	24009 20 MULE TEAM R	E 0 - 1/8 (0.071 mi.)	H130 / 51	1080
ROCKET SITE MINI MAR	***24009 20 MULE TEAM R***	***E 0 - 1/8 (0.071 mi.)***	***H134 / 51***	***1084***
HOME RESIDENTSS Facility Id: 00000008227	13100 LAMEL	N 0 - 1/8 (0.089 mi.)	N150 / 49	1178
HAROLD W JOLLIFF	16634 BELAIRE AVE	N 1/8 - 1/4 (0.167 mi.)	U192 / 49	1255
HAROLD W JOLLIFF Facility Id: 00000037255	***16634 BELLAIRE AVE***	***N 1/8 - 1/4 (0.167 mi.)***	***U193 / 49***	***1256***
STERN WILLARD Facility Id: 00000002826	16748 BELLAIRE	N 1/8 - 1/4 (0.168 mi.)	V194 / 49	1257
WARREN J MEADER Facility Id: 00000007079	***16827 MOUNTAIN VIEW***	***S 1/8 - 1/4 (0.169 mi.)***	***W196 / 40***	***1258***
HILLMANN HARDWARE Facility Id: 00000012517	***13700 GUL ST***	***S 1/8 - 1/4 (0.227 mi.)***	***Z206 / 40***	***1273***
WAYNE WALTER Facility Id: 00000012737	***13319 LAMEL***	***N 1/4 - 1/2 (0.263 mi.)***	***AB215 / 49***	***1283***
HOME Facility Id: 00000034365	***16693 ALEXANDER***	***N 1/4 - 1/2 (0.313 mi.)***	***AG312 / 49***	***1735***
CHARLES M RICHEY Facility Id: 00000040173	16653 ALEXANDER	N 1/4 - 1/2 (0.314 mi.)	314 / 49	1737
THOMAS W OWENS Facility Id: 00000007075	***16977 MONTEREY AVE***	***S 1/4 - 1/2 (0.328 mi.)***	***AI319 / 49***	***1740***
GERALD D PERRY Facility Id: 00000051746	***13629 FLINT ST***	***S 1/4 - 1/2 (0.349 mi.)***	***325 / 49***	***1747***
HOME Facility Id: 00000008879	16794 VISTA DEL ORO	N 1/4 - 1/2 (0.363 mi.)	AK328 / 49	1752
HOME	16794 VISTA DEL ORA	N 1/4 - 1/2 (0.363 mi.)	AK330 / 49	1753
GASOLINE TANK Facility Id: 00000009156	***13415 LAMEL***	***N 1/4 - 1/2 (0.396 mi.)***	***AL333 / 49***	***1755***
SUSAN G ROBERSON Facility Id: 00000015177	***13585 GILBERT ST***	***S 1/4 - 1/2 (0.401 mi.)***	***AM335 / 49***	***1757***
DIANA GRAY Facility Id: 00000009754	16705 GLENDOWER AVE	S 1/4 - 1/2 (0.498 mi.)	AX400 / 49	1885
RESIDENCE	12429 DEL ORO ST	ENE 1/2 - 1 (0.594 mi.)	BJ474 / 52	2084

Facility Id: 00000002216				
USNASA JET PROPULSIO	***NORTH BASE RD EDWARD***	***E 1/2 - 1 (0.648 mi.)***	***491 / 48***	***2102***
Facility Id: 00000029897				
Facility Id: 00000001084				
DEBORD SEPTIC TANK S	27044 ANDERSON ST	N 1/2 - 1 (0.693 mi.)	BQ505 / 52	2131
Facility Id: 00000032872				
KERN CO FIRE DEPT ST	***26965 COTE ST***	***N 1/2 - 1 (0.795 mi.)***	***BX554 / 52***	***2215***
KERN COUNTY FIRE DEP	26965 COTE ST	N 1/2 - 1 (0.795 mi.)	BX559 / 52	2228
Facility Id: 00000018406				
CIRCLE K STORE #749	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
Facility Id: 00000013796				
BORON HIGH SCHOOL	26653 PROSPECT	N 1/2 - 1 (0.869 mi.)	CD590 / 52	2285
Facility Id: 00000032831				
ED SAUSER	27022 PROSPECT ST	N 1/2 - 1 (0.902 mi.)	CG610 / 52	2389
Facility Id: 00000043169				
CALIF. CITY PARK MAI	10400 HEATHER (CENTR	S 1 - 2 (1.205 mi.)	CN647 / 20	2457
Facility Id: 00000000920				
CALIF CITY PARK MAIN	10400 HEATHER (CENTR	S 1 - 2 (1.205 mi.)	CN649 / 20	2459

CERS TANKS: California Environmental Reporting System (CERS) Tanks

A review of the CERS TANKS list, as provided by EDR, and dated 07/15/2021 has revealed that there are 11 CERS TANKS sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LUZ SOLAR PARTNERS I	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E78 / 54***	***796***
PILOT TRAVEL CENTER	***5725 HWY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D108 / 54***	***968***
FOUR CORNERS CHEVRON	***5852 HWY 58***	***ENE 0 - 1/8 (0.114 mi.)***	***P157 / 54***	***1182***
CEDAR LANDMARK INC	***5121 HWY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T187 / 54***	***1221***
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
FOUR CORNERS UNION	***6158 HWY 58 B***	***E 1/4 - 1/2 (0.471 mi.)***	***AV385 / 55***	***1848***
PARKER RESIDENCE	***16705 GLENDOWER***	***S 1/4 - 1/2 (0.498 mi.)***	***AX398 / 49***	***1877***
CASTROL PREMIUM LUBE	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT524 / 29***	***2160***
CIRCLE K STORE #749	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
MUROC JOINT USD-MAIN	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD592 / 52***	***2289***
#7701 FASTRIP #45	***8601 CALIFORNIA CITY***	***SSW 1 - 2 (1.205 mi.)***	***CP656 / 20***	***2467***

CA FID UST: Facility Inventory Database

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there are 14 CA FID UST sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BEECHERS CORNER	***JCT HWYS 58 & 395***	***WSW 0 - 1/8 (0.013 mi.)***	***D15 / 54***	***637***
Facility Id: 15005181				
Status: A				
BOB'S CHEVRON	***SR395/HWY 58 KMR JCT***	***WSW 0 - 1/8 (0.019 mi.)***	***D21 / 54***	***647***
Facility Id: 36008432				
Status: A				
ROCKET SITE MINI MAR	***24009 20 MULE TEAM R***	***E 0 - 1/8 (0.071 mi.)***	***H134 / 51***	***1084***

Facility Id: 15005082 Status: A				
U S BORAX AND CHEMIC Facility Id: 15000370 Status: A	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD279 / 51***	***1562***
KNOTTS TEXACO SERVIC Facility Id: 15004804 Status: A	27195 20 M T RD	N 1/2 - 1 (0.537 mi.)	AZ421 / 52	2011
J C FENNELL & SONS Facility Id: 15000491 Status: I	27401 20 MULE TEAM R	N 1/2 - 1 (0.541 mi.)	BA424 / 53	2013
BORON AUTO BODY Facility Id: 15004597 Status: I	***26049 20 MULETEAM RD***	***N 1/2 - 1 (0.623 mi.)***	***BM483 / 52***	***2094***
USNASA JET PROPULSIO Facility Id: 15004626 Status: A	***NORTH BASE RD EDWARD***	***E 1/2 - 1 (0.648 mi.)***	***491 / 48***	***2102***
KERN CO FIRE DEPT ST Facility Id: 15000495 Status: A	***26965 COTE ST***	***N 1/2 - 1 (0.795 mi.)***	***BX554 / 52***	***2215***
CIRCLE K STORE #749 Facility Id: 15002088 Status: A	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
BORON HIGH SCHOOL Facility Id: 15000459 Status: A	***26653 PROSPECT***	***N 1/2 - 1 (0.869 mi.)***	***CD600 / 52***	***2367***
ED SAUSER Facility Id: 15005007 Status: A	***27022 PROSPECT ST***	***N 1/2 - 1 (0.902 mi.)***	***CG609 / 52***	***2388***
SILVER SADDLE RANCH Facility Id: 15005259 Status: A	20755 ARISTOTLE DR	NNW 1 - 2 (1.168 mi.)	CM643 / 5	2455
CALIF. CITY PARK MAI Facility Id: 15004623 Status: A	***10400 HEATHER CENTRA***	***S 1 - 2 (1.205 mi.)***	***CN648 / 20***	***2458***

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

A review of the HMIRS list, as provided by EDR, and dated 09/12/2021 has revealed that there is 1 HMIRS site within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
14486 BORAX ROAD	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD291 / 51	1716

EXECUTIVE SUMMARY

CHMIRS: California Hazardous Material Incident Report System

A review of the CHMIRS list, as provided by EDR, and dated 06/30/2021 has revealed that there are 59 CHMIRS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
Not reported OES Incident Number: 4-3834	CALIFORNIA CITY BLVD	SW 0 - 1/8 (0.013 mi.)	14 / 30	636
Not reported OES Incident Number: 0-2141	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E31 / 54	673
Not reported OES Incident Number: 2-2464	41100 HIGHWAY 395, N	ENE 0 - 1/8 (0.021 mi.)	E33 / 54	686
Not reported OES Incident Number: 6-0235	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E43 / 54	740
Not reported OES Incident Number: 7-1268	41100 HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E49 / 54	747
Not reported OES Incident Number: 5-7539	41100 HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E50 / 54	749
Not reported OES Incident Number: 4-1366	41100 HWY 395 CLOSES	ENE 0 - 1/8 (0.021 mi.)	E51 / 54	750
Not reported OES Incident Number: 13-3107	41100 HIGHWAY 395, N	ENE 0 - 1/8 (0.021 mi.)	E60 / 54	769
Not reported OES Incident Number: 4-2424	41100 HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E63 / 54	771
Not reported OES Incident Number: 7-0911	41100 HWY. 395 CRAME	ENE 0 - 1/8 (0.021 mi.)	E64 / 54	773
Not reported OES Incident Number: 3-3697	41100 HWY. 395, NEAR	ENE 0 - 1/8 (0.021 mi.)	E66 / 54	774
Not reported OES Incident Number: 10-6122	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E67 / 54	776
Not reported OES Incident Number: 10-5152	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E68 / 54	777
Not reported OES Incident Number: 4-2343	41100 HWY. 395, NEAR	ENE 0 - 1/8 (0.021 mi.)	E69 / 54	778
Not reported OES Incident Number: 7-4241	41100 HIGHWAY 395, B	ENE 0 - 1/8 (0.021 mi.)	E73 / 54	781
Not reported OES Incident Number: 6-0988 OES Incident Number: 5-6119	41100 HWY. 395	ENE 0 - 1/8 (0.021 mi.)	E81 / 54	839
Not reported OES Incident Number: 2-3489 OES Incident Number: 08-2856	5725 HWY 58	WSW 0 - 1/8 (0.040 mi.)	D109 / 54	984
Not reported OES Incident Number: 17-2884	5725 HIGHWAY 58	WSW 0 - 1/8 (0.040 mi.)	D110 / 54	986
CR ENGLAND TRUCKING OES Incident Number: 4-6445	***5725 HIGHWAY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D111 / 54***	***988***
Not reported OES Incident Number: 16-4030	5725 HWY 58	WSW 0 - 1/8 (0.040 mi.)	D118 / 54	1032
Not reported	CEDAR LANDMARK INC -	N 1/8 - 1/4 (0.147 mi.)	172 / 54	1207

OES Incident Number: 16-5564				
Not reported OES Incident Number: 17-0992	5121 HWY 58	N 1/8 - 1/4 (0.149 mi.)	T185 / 54	1219
Not reported OES Incident Number: 15-6905	5121 HWY 58, ARCO AM	N 1/8 - 1/4 (0.149 mi.)	T190 / 54	1253
Not reported OES Incident Number: 16-2771	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD227 / 51	1298
Not reported OES Incident Number: 16-0544	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD241 / 51	1324
Not reported OES Incident Number: 15-4082	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD242 / 51	1326
Not reported OES Incident Number: 15-6863	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD243 / 51	1327
Not reported OES Incident Number: 16-1094	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD244 / 51	1329
BORON MINE FACILITY OES Incident Number: 15-4080	***14486 BORAX RD.***	***E 1/4 - 1/2 (0.287 mi.)***	***AD245 / 51***	***1330***
Not reported OES Incident Number: 4-1472	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD250 / 51	1336
CACHE VALLEY ELECTRI OES Incident Number: 21-1697 OES Incident Number: 21-1595 OES Incident Number: 21-0133	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD252 / 51***	***1339***
Not reported OES Incident Number: 4-5259 OES Incident Number: 15-3303	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD253 / 51	1344
Not reported OES Incident Number: 10-6937	14486 BORAX ROAD, NO	E 1/4 - 1/2 (0.287 mi.)	AD256 / 51	1446
Not reported OES Incident Number: 4-4871	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD265 / 51	1513
US BORAX PLANT OES Incident Number: 13-2561 OES Incident Number: 6-6397 OES Incident Number: 7-7304 OES Incident Number: 3-0138	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD269 / 51***	***1520***
U S BORAX INC OES Incident Number: 5-0913 OES Incident Number: 2-3657 OES Incident Number: 5-4302 OES Incident Number: 08-2318 OES Incident Number: 12-5233	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD272 / 51***	***1538***
U S BORAX AND CHEMIC OES Incident Number: 10-5458 OES Incident Number: 12-6491 OES Incident Number: 08-1492 OES Incident Number: 12-5889 OES Incident Number: 10-6445 **Additional key fields are available in the Map Findings section*	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD279 / 51***	***1562***
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***

OES Incident Number: 21-1885
OES Incident Number: 12-1794
OES Incident Number: 4-5734
OES Incident Number: 16-5067
OES Incident Number: 0-4720
**Additional key fields are available in the Map Findings section*

Not reported OES Incident Number: 15-2789	13301 FOX ST	N 1/4 - 1/2 (0.298 mi.)	307 / 49	1730
Not reported OES Incident Number: 20-4150	230 DESERT BREEZE DR	W 1/4 - 1/2 (0.325 mi.)	AH317 / 20	1738
Not reported OES Incident Number: 19-5649	387 MORNING GLORY DR	W 1/4 - 1/2 (0.337 mi.)	324 / 20	1745
Not reported OES Incident Number: 0-0438	200 DESERT BREEZE DR	W 1/4 - 1/2 (0.365 mi.)	331 / 20	1753
Not reported OES Incident Number: 16-6341	271 DESSERT BREEZE D	W 1/4 - 1/2 (0.414 mi.)	342 / 20	1764
Not reported OES Incident Number: 119181 Date Completed: 19-SEP-91	192 CAMPFIRE DRIVE	W 1/4 - 1/2 (0.447 mi.)	AT366 / 20	1831
Not reported OES Incident Number: 13-2800	11933 NANCY AVE	N 1/4 - 1/2 (0.466 mi.)	AU370 / 52	1834
Not reported OES Incident Number: 19-4580	11933 NANCY AVE	N 1/4 - 1/2 (0.466 mi.)	AU371 / 52	1835
Not reported OES Incident Number: 4-2948	11933 NANCY AVE	N 1/4 - 1/2 (0.466 mi.)	AU372 / 52	1836
Not reported OES Incident Number: 10-4513	187 CAMPFIRE DR.	W 1/4 - 1/2 (0.471 mi.)	AT375 / 20	1839
Not reported OES Incident Number: 10-4514	187 CAMP FIRE DR	W 1/4 - 1/2 (0.471 mi.)	AT376 / 20	1840
Not reported OES Incident Number: 15-1698	26962 TWENTY MULE TE	N 1/2 - 1 (0.552 mi.)	451 / 52	2051
Not reported OES Incident Number: 260	10808 KELLER DR	W 1/2 - 1 (0.656 mi.)	494 / 20	2119
Not reported OES Incident Number: 0-1674	21361 BALDWIN LN.	W 1/2 - 1 (0.741 mi.)	516 / 20	2150
Not reported OES Incident Number: 046	21441 HECTOR COURT	W 1/2 - 1 (0.749 mi.)	519 / 20	2153
Not reported OES Incident Number: 10-7353	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU530 / 42	2175
Not reported OES Incident Number: 18-2134 OES Incident Number: 10-7252 OES Incident Number: 13-4449	14886 BORAX ROAD	N 1/2 - 1 (0.762 mi.)	BU531 / 42	2177
Not reported OES Incident Number: 9-1171	21446 JONATHAN	W 1/2 - 1 (0.785 mi.)	546 / 20	2208
Not reported OES Incident Number: 8-1729	21671 BANCROFT DR	S 1/2 - 1 (0.786 mi.)	547 / 20	2209
Not reported	14888 BORAX RD.	N 1/2 - 1 (0.802 mi.)	560 / 42	2229

OES Incident Number: 12-4180				
Not reported OES Incident Number: 910391 Date Completed: 06-MAY-89	26831 PROSPECT	N 1/2 - 1 (0.893 mi.)	CF606 / 52	2383

LDS: Land Disposal Sites Listing

A review of the LDS list, as provided by EDR, and dated 06/03/2021 has revealed that there are 3 LDS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
KRAMER JUNCTION COMP Global Id: L10006039286 Global Id: L10006183000 Global Id: L10008091929 Status: Open Status: Completed - Case Closed	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E25 / 54***	***651***
BORON CLASS III LAND Global Id: L10004638786 Status: Open - Operating	***5 MI SO OF BORON***	***S 0 - 1/8 (0.075 mi.)***	***L138 / 52***	***1104***
US BORAX BORON OPERA Global Id: L10001386878 Global Id: L10005585471 Status: Open - Operating	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***

MCS: Military Cleanup Sites Listing

A review of the MCS list, as provided by EDR, and dated 06/03/2021 has revealed that there are 40 MCS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
EDWARDS AIR FORCE BA Global Id: DOD100102900 Status: Open - Inactive		SE 0 - 1/8 (0.068 mi.)	129 / 48	1079
EDWARDS AIR FORCE BA Global Id: DOD100133200 Status: Open - Inactive		S 0 - 1/8 (0.111 mi.)	154 / 51	1181
EDWARDS AIR FORCE BA Global Id: DOD100115300 Status: Open - Inactive		E 1/8 - 1/4 (0.232 mi.)	207 / 48	1274
EDWARDS AIR FORCE BA Global Id: DOD100102600 Status: Open - Inactive		ESE 1/4 - 1/2 (0.305 mi.)	AF309 / 48	1733
EDWARDS AIR FORCE BA Global Id: DOD100110700 Status: Open - Inactive		SE 1/4 - 1/2 (0.311 mi.)	AF310 / 48	1733
EDWARDS AIR FORCE BA Global Id: DOD100102400		SE 1/4 - 1/2 (0.404 mi.)	AN337 / 48	1759

Status: Open - Inactive			
EDWARDS AIR FORCE BA Global Id: DOD100101000 Status: Open - Inactive	SE 1/4 - 1/2 (0.421 mi.)	AN344 / 48	1766
EDWARDS AIR FORCE BA Global Id: DOD100102500 Status: Open - Inactive	SE 1/4 - 1/2 (0.424 mi.)	AP348 / 48	1792
EDWARDS AIR FORCE BA Global Id: DOD100102700 Status: Open - Inactive	SE 1/4 - 1/2 (0.439 mi.)	AN362 / 48	1829
EDWARDS AIR FORCE BA Global Id: DOD100115200 Status: Open - Inactive	SE 1/4 - 1/2 (0.448 mi.)	AP367 / 48	1832
EDWARDS AIR FORCE BA Global Id: DOD100147200 Status: Open - Assessment & Interim Remedial Action	SE 1/4 - 1/2 (0.454 mi.)	368 / 48	1833
EDWARDS AIR FORCE BA Global Id: DOD100109000 Status: Open - Inactive	SE 1/4 - 1/2 (0.457 mi.)	AP369 / 48	1833
EDWARDS AIR FORCE BA Global Id: DOD100142400 Status: Open - Inactive	ESE 1/4 - 1/2 (0.471 mi.)	374 / 48	1838
EDWARDS AIR FORCE BA Global Id: DOD100109100 Status: Open - Inactive	SE 1/4 - 1/2 (0.484 mi.)	393 / 48	1872
EDWARDS AIR FORCE BA Global Id: DOD100147800 Status: Open - Inactive	SW 1/4 - 1/2 (0.490 mi.)	394 / 51	1873
EDWARDS AIR FORCE BA Global Id: DOD100101100 Status: Open - Inactive	SE 1/4 - 1/2 (0.493 mi.)	395 / 48	1873
EDWARDS AIR FORCE BA Global Id: DOD100110600 Status: Open - Inactive	ESE 1/2 - 1 (0.520 mi.)	418 / 48	2009
EDWARDS AIR FORCE BA Global Id: DOD100113800 Status: Open - Inactive	SE 1/2 - 1 (0.520 mi.)	419 / 48	2010
EDWARDS AIR FORCE BA Global Id: DOD100100900 Status: Open - Inactive	SE 1/2 - 1 (0.542 mi.)	431 / 48	2026
EDWARDS AIR FORCE BA Global Id: DOD100147500 Status: Open - Verification Monitoring	SE 1/2 - 1 (0.545 mi.)	BB432 / 48	2026
EDWARDS AIR FORCE BA Global Id: DOD100110500 Status: Open - Inactive	SE 1/2 - 1 (0.558 mi.)	BD452 / 48	2052
EDWARDS AIR FORCE BA Global Id: DOD100113900 Status: Open - Inactive	SE 1/2 - 1 (0.566 mi.)	BB455 / 48	2059
EDWARDS AIR FORCE BA	S 1/2 - 1 (0.568 mi.)	456 / 57	2059

Global Id: DOD100101400 Status: Open - Inactive			
EDWARDS AIR FORCE BA Global Id: DOD100099300 Status: Open - Inactive	SE 1/2 - 1 (0.575 mi.)	BG463 / 48	2065
EDWARDS AIR FORCE BA Global Id: DOD100147400 Status: Open - Inactive	SE 1/2 - 1 (0.578 mi.)	BD469 / 48	2082
EDWARDS AIR FORCE BA Global Id: DOD100108900 Status: Open - Inactive	SE 1/2 - 1 (0.583 mi.)	BI472 / 48	2083
EDWARDS AIR FORCE BA Global Id: DOD100105600 Status: Open - Inactive	SE 1/2 - 1 (0.594 mi.)	BG473 / 48	2083
EDWARDS AIR FORCE BA Global Id: DOD100097700 Status: Open - Inactive	SE 1/2 - 1 (0.601 mi.)	BI478 / 48	2088
EDWARDS AIR FORCE BA Global Id: DOD100099400 Status: Open - Inactive	SE 1/2 - 1 (0.608 mi.)	BG480 / 48	2093
EDWARDS AIR FORCE BA Global Id: DOD100099200 Status: Open - Inactive	SE 1/2 - 1 (0.613 mi.)	BK481 / 48	2093
EDWARDS AIR FORCE BA Global Id: DOD100145900 Status: Open - Verification Monitoring	SE 1/2 - 1 (0.613 mi.)	BL482 / 48	2094
EDWARDS AIR FORCE BA Global Id: DOD100100800 Status: Open - Inactive	SE 1/2 - 1 (0.623 mi.)	BL485 / 48	2098
EDWARDS AIR FORCE BA Global Id: DOD100113700 Status: Open - Inactive	ESE 1/2 - 1 (0.631 mi.)	486 / 48	2098
EDWARDS AIR FORCE BA Global Id: DOD100147300 Status: Open - Inactive	SE 1/2 - 1 (0.634 mi.)	BK487 / 48	2099
EDWARDS AIR FORCE BA Global Id: DOD100099500 Status: Open - Inactive	SE 1/2 - 1 (0.642 mi.)	BL488 / 48	2099
EDWARDS AIR FORCE BA Global Id: DOD100097800 Status: Open - Inactive	SE 1/2 - 1 (0.651 mi.)	BN492 / 48	2118
EDWARDS AIR FORCE BA Global Id: DOD100097900 Status: Open - Inactive	SE 1/2 - 1 (0.656 mi.)	BN493 / 48	2119
EDWARDS AIR FORCE BA Global Id: DOD100108800 Status: Open - Inactive	SE 1/2 - 1 (0.693 mi.)	502 / 48	2129
EDWARDS AIR FORCE BA Global Id: DOD100115400	E 1/2 - 1 (0.747 mi.)	518 / 48	2152

Status: Open - Inactive

EDWARDS AIR FORCE BA — ESE 1/2 - 1 (0.962 mi.) — 621 / 49 — 2400
Global Id: DOD100105800
Status: Open - Inactive

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that there are 29 RCRA NonGen / NLR sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
UNICOR FEDERAL PRISO EPA ID:: CA8151990175	HWY 395 SIX MILES NO	WSW 0 - 1/8 (0.015 mi.)	D17 / 54	639
PILOT TRAVEL CENTER EPA ID:: CAL000316603	5725 HIGHWAY 58	WSW 0 - 1/8 (0.040 mi.)	D112 / 54	990
BORON SANITARY LANDF EPA ID:: CAH111000199	11400 BORON AVENUE	S 0 - 1/8 (0.083 mi.)	M147 / 52	1173
EXPRESS TIRES	5875 HIGHWAY 58	ENE 1/8 - 1/4 (0.136 mi.)	P168 / 54	1203
CEDAR LANDMARK INC A EPA ID:: CAL000413787	5121 E STATE HIGHWAY	N 1/8 - 1/4 (0.149 mi.)	T179 / 54	1214
AMES CONSTRUCTION IN EPA ID:: CAL000406488	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD261 / 51	1498
DEBORA EPHRIAM EPA ID:: CAC002972490	12489 SIERRA VIEW ST	E 1/4 - 1/2 (0.335 mi.)	AJ322 / 51	1742
BORON BIBLE CHURCH EPA ID:: CAC002978113	26904 NICHOLS ST	N 1/4 - 1/2 (0.405 mi.)	AO338 / 52	1759
FOUR CORNERS UNION EPA ID:: CAL000430407	6158 HWY 58 KRAMER J	E 1/4 - 1/2 (0.471 mi.)	AV381 / 55	1844
VERONICA LIMON RAMIR	11001 ROME BEAUTY DR	W 1/4 - 1/2 (0.498 mi.)	397 / 20	1875
CITY OF CALIFORNIA C EPA ID:: CAP000206045	10835 NELSON DR	S 1/2 - 1 (0.507 mi.)	AY408 / 20	1980
CALIFORNIA CITY WAST EPA ID:: CAL000349721	10835 NELSON DR	S 1/2 - 1 (0.507 mi.)	AY411 / 20	1986
G&J HEAVY HAUL INC. EPA ID:: CAC003050411	2564 CA-58	N 1/2 - 1 (0.570 mi.)	BF458 / 53	2061
FAMILY DOLLAR INC #1 EPA ID:: CAL000411131	26645 TWENTY MULE TE	N 1/2 - 1 (0.577 mi.)	BH468 / 52	2079
PADRON METAL FINISHI	10856 HANOVER DR	W 1/2 - 1 (0.596 mi.)	476 / 29	2085
USNASA JET PROPULSIO EPA ID:: CA2570090512	***NORTH BASE RD EDWARD***	***E 1/2 - 1 (0.648 mi.)***	***491 / 48***	***2102***
DODDERER THIRD PARTY EPA ID:: CAP000201046	26960 ANDERSON ST	N 1/2 - 1 (0.700 mi.)	BR508 / 52	2132
CASTROL PREMIUM LUBE EPA ID:: CAL000264749	20400 CALIFORNIA CIT	W 1/2 - 1 (0.762 mi.)	BT526 / 29	2171
ROSS E SWINDELHURST	12313 BORON AVE	N 1/2 - 1 (0.809 mi.)	BY563 / 52	2231

EPA ID:: CAL000126636				
BETTY MILLER	27095 JEROME STREET	N 1/2 - 1 (0.861 mi.)	CC578 / 52	2260
ROCHELL BURTON	10661 APPLEWOOD DR	W 1/2 - 1 (0.869 mi.)	CE603 / 20	2371
ARMANDO PLIEGO	20917 CALIFORNIA CIT	W 1/2 - 1 (0.960 mi.)	CI615 / 20	2393
EPA ID:: CAC002974117				
JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	W 1/2 - 1 (0.960 mi.)	CI620 / 20	2397
DENNIS AUTOMOTIVE &	10521 YALE AVE	W 1/2 - 1 (0.984 mi.)	CJ626 / 20	2409
EPA ID:: CAL000349768				
BERNARD SEARCY	27233 CARMICHAEL ST	N 1 - 2 (1.016 mi.)	629 / 52	2415
RUDY VALDEZ	12567 EASY ST	N 1 - 2 (1.077 mi.)	630 / 53	2418
EPA ID:: CAC002974960				
ARACELI LIMA	12603 ESTHER ST	N 1 - 2 (1.103 mi.)	637 / 52	2443
EPA ID:: CAC003045559				
JAIMESON HILL COMPAN	8601 CALIFORNIA CITY	SSW 1 - 2 (1.205 mi.)	CP653 / 20	2461
EPA ID:: CAL000282723				
AV AUTO PARTS INC.	8525 CALIFORNIA CITY	SSW 1 - 2 (1.215 mi.)	CP658 / 20	2482
EPA ID:: CAC002981240				

FUDS: Formerly Used Defense Sites

A review of the FUDS list, as provided by EDR, and dated 05/04/2021 has revealed that there are 4 FUDS sites within approximately 2 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
KRAMER POTASH PLANT		ENE 1/8 - 1/4 (0.209 mi.)	Y202 / 54	1267
BORON AIR FORCE STAT		WSW 1/2 - 1 (0.790 mi.)	BW549 / 36	2212
EDWARDS AFB PROJ ROU		SW 1/2 - 1 (0.813 mi.)	BZ565 / 30	2234
USARC OUTDOOR TRNG S		ENE 1/2 - 1 (0.938 mi.)	CH612 / 45	2390

TSCA: Toxic Substances Control Act

A review of the TSCA list, as provided by EDR, and dated 12/31/2016 has revealed that there is 1 TSCA site within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
U.S. BORAX INC.	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD258 / 51	1451

SSTS: Section 7 Tracking Systems

A review of the SSTS list, as provided by EDR, and dated 07/19/2021 has revealed that there are 5 SSTS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
U S BORAX INC	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD260 / 51***	***1493***
Registration Number:: 001624-CA-002				
U S BORAX INC.	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD263 / 51	1504
Registration Number:: 001624CA002				
US BORAX	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD268 / 51	1516

Registration Number:: 001624CA 002
Registration Number:: 001624CA002

US BORAX & CHEMICAL Registration Number:: 001624CA 002	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD275 / 51	1554
U S BORAX Registration Number:: 001624CA002	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD277 / 51	1557

RMP: Risk Management Plans

A review of the RMP list, as provided by EDR, and dated 05/07/2021 has revealed that there are 5 RMP sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
MOJAVE COGENERATION	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD257 / 51	1448
MOJAVE COGENERATION	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD262 / 51	1501
MOJAVE COGENERATION	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD264 / 51	1506
CITY OF CALIFORNIA C	10835 NELSON DR.	S 1/2 - 1 (0.507 mi.)	AY409 / 20	1983
CITY OF CALIFORNIA C	10835 NELSON DRIVE	S 1/2 - 1 (0.507 mi.)	AY416 / 20	1992

ICIS: Integrated Compliance Information System

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there are 3 ICIS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LUZ SOLAR PARTNERS V FRS ID:: 110005994763	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E59 / 54	767
FLP FLORIDA LIGHT & FRS ID:: 110006820431	***41100 HWY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E83 / 54***	***850***
U. S. BORAX, BORON O FRS ID:: 110043789763	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD255 / 51***	***1347***

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A review of the FTTS list, as provided by EDR, has revealed that there are 2 FTTS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
MUROC JOINT UNIFIED Database: FTTS INSP, Date of Government Version: 04/09/2009	FOOTHILL & GRANADA S	N 1/8 - 1/4 (0.130 mi.)	R164 / 49	1200
U.S. BORAX Database: FTTS INSP, Date of Government Version: 04/09/2009	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD276 / 51	1556

EXECUTIVE SUMMARY

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A review of the HIST FTTS list, as provided by EDR, has revealed that there is 1 HIST FTTS site within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
MUROC JOINT UNIFIED	FOOTHILL & GRANADA S	N 1/8 - 1/4 (0.130 mi.)	R163 / 49	1200
Database: HIST FTTS INSP, Date of Government Version: 10/19/2006				

US AIRS: Aerometric Information Retrieval System Facility Subsystem

A review of the US AIRS list, as provided by EDR, has revealed that there are 2 US AIRS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FLP FLORIDA LIGHT &	***41100 HWY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E83 / 54***	***850***
Database: US AIRS (AFS), Date of Government Version: 10/12/2016 EPA plant ID:: 110006820431				
U. S. BORAX, BORON O	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD255 / 51***	***1347***
Database: US AIRS (AFS), Date of Government Version: 10/12/2016				

US MINES: Mines Master Index File

A review of the US MINES list, as provided by EDR, has revealed that there are 4 US MINES sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
U S BORAX INC	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD260 / 51***	***1493***
Database: US MINES, Date of Government Version: 05/03/2021 Mine ID:: 0402834				
RIO TINTO MINE	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD302 / 51	1719
Database: MINES VIOLATIONS, Date of Government Version: 06/30/2021				
BORON OPERATIONS	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD303 / 51	1721
Database: MINES VIOLATIONS, Date of Government Version: 06/30/2021				
U S BORAX INC		N 1/2 - 1 (0.540 mi.)	422 / 51	2011
Database: US MINES, Date of Government Version: 05/03/2021 Mine ID:: 0400743				

ABANDONED MINES: Abandoned Mines

A review of the ABANDONED MINES list, as provided by EDR, and dated 06/15/2021 has revealed that there is 1 ABANDONED MINES site within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
RIO TINTO MINE	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD233 / 51	1320

EXECUTIVE SUMMARY

FINDS: Facility Index System/Facility Registry System

A review of the FINDS list, as provided by EDR, and dated 05/05/2021 has revealed that there are 69 FINDS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
SEGS III-VII Registry ID:: 110065811447	41100 US HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E30 / 54	673
LUZ SOLAR PARTNERS I Registry ID:: 110005994763	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E52 / 54***	***751***
KRAMER JUNCTION COMP Registry ID:: 110006820431	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E58 / 54***	***766***
LUZ SOLAR PARTNERS I Registry ID:: 110038856636	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E79 / 54***	***837***
WAYSTATION UNOCAL 76 Registry ID:: 110070521757	HIGHWAY 58 AND 395	ENE 0 - 1/8 (0.028 mi.)	G95 / 54	957
PILOT TRAVEL CENTER Registry ID:: 110070468277	***5725 HIGHWAY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D114 / 54***	***993***
PILOT TRAVEL CENTER Registry ID:: 110066482997	5725 HWY 58	WSW 0 - 1/8 (0.040 mi.)	D115 / 54	994
KCWMD - BORON LANDFI Registry ID:: 110065930559	11400 BORON AVE	S 0 - 1/8 (0.083 mi.)	M141 / 52	1159
BORON SANITARY LANDF Registry ID:: 110012695299	11400 BORON AVENUE	S 0 - 1/8 (0.083 mi.)	M143 / 52	1170
KERN COUNTY WASTE MA Registry ID:: 110070521335 Registry ID:: 110060756882	11400 BORON AVENUE	S 0 - 1/8 (0.083 mi.)	M144 / 52	1171
FOUR CORNERS CHEVRON Registry ID:: 110065740595	5852 HWY 58	ENE 0 - 1/8 (0.114 mi.)	P156 / 54	1181
FRONTIER CALIFORNIA Registry ID:: 110070521186	13150 GRANADA STREET	N 1/8 - 1/4 (0.140 mi.)	R170 / 49	1206
VERIZON CALIFORNIA: Registry ID:: 110066516728	13150 GRANADA ST	N 1/8 - 1/4 (0.140 mi.)	R171 / 49	1206
VERIZON WIRELESS BOR Registry ID:: 110065886571	12088 BORAX ROAD	ENE 1/8 - 1/4 (0.149 mi.)	S173 / 51	1208
CEDAR LANDMARK INC A Registry ID:: 110070511538	***5121 E STATE HIGHWAY***	***N 1/8 - 1/4 (0.149 mi.)***	***T182 / 54***	***1218***
KASSMA INC. ARCO AM/ Registry ID:: 110065761429	5121 HWY 58	N 1/8 - 1/4 (0.149 mi.)	T183 / 54	1219
FOUR CORNERS ARCO AM Registry ID:: 110070061058	5121 HIGHWAY 58	N 1/8 - 1/4 (0.149 mi.)	T184 / 54	1219
CALCITY SOLAR 1	9101 MENDIBURU ROAD	SSE 1/8 - 1/4 (0.182 mi.)	X200 / 20	1265
US BORAX & CHEMICAL Registry ID:: 110065207341	14486 BORAX RD.	E 1/4 - 1/2 (0.287 mi.)	AD254 / 51	1347
U. S. BORAX, BORON O Registry ID:: 110043789763	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD255 / 51***	***1347***
US BORAX INC Registry ID:: 110017398145	***14486 BORAX RD.***	***E 1/4 - 1/2 (0.287 mi.)***	***AD259 / 51***	***1451***
AMES CONSTRUCTION IN	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD266 / 51***	***1515***

Registry ID:: 110070417893				
J I ARIAS INC Registry ID:: 110066643289 Registry ID:: 110070282822 Registry ID:: 110070521277 Registry ID:: 110070329132	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD267 / 51	1515
GANGUE/OVERBURDEN/RE Registry ID:: 110065926449	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD270 / 51	1537
BORON MINE FACILITY Registry ID:: 110066446448	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD271 / 51	1537
DEBORA EPHRIAM Registry ID:: 110070462779	***12489 SIERRA VIEW ST***	***E 1/4 - 1/2 (0.335 mi.)***	***AJ321 / 51***	***1742***
BORON BIBLE CHURCH Registry ID:: 110070403888	***26904 NICHOLS ST***	***N 1/4 - 1/2 (0.405 mi.)***	***AO339 / 52***	***1762***
FOUR CORNERS UNOCAL Registry ID:: 110066468977	2851 STATE HWY 58	N 1/4 - 1/2 (0.425 mi.)	AQ349 / 53	1792
FOUR CORNERS CHEVRON Registry ID:: 110066120682	2852 HWY 58	N 1/4 - 1/2 (0.432 mi.)	AQ354 / 53	1806
11756 RB6T Registry ID:: 110043362483	2852 HWY 58	N 1/4 - 1/2 (0.432 mi.)	AQ355 / 53	1806
FRANK'S EXXON #4 Registry ID:: 110013902465	14800 WEST FRONTAGE	S 1/4 - 1/2 (0.433 mi.)	357 / 49	1818
BNSF RAILWAY COMPANY Registry ID:: 110066308686	12591 MUROC RD	W 1/4 - 1/2 (0.434 mi.)	AS360 / 48	1822
USNASA JET PROPULSIO Registry ID:: 110032745956	***NORTH BASE RD EDWARD***	***ESE 1/4 - 1/2 (0.446 mi.)***	***365 / 48***	***1830***
FOUR CORNERS UNION Registry ID:: 110070430346	***6158 HWY 58 KRAMER J***	***E 1/4 - 1/2 (0.471 mi.)***	***AV380 / 55***	***1843***
FOUR CORNERS UNION Registry ID:: 110065884074	6158 HWY 58 B	E 1/4 - 1/2 (0.471 mi.)	AV387 / 55	1864
AT&T MOBILITY #11335 Registry ID:: 110065133304	6158 E STATE HIGHWAY	E 1/4 - 1/2 (0.471 mi.)	AV388 / 55	1864
NORTH EDWARDS WATER Registry ID:: 110065771864	***13525 FRAN ST***	***S 1/4 - 1/2 (0.473 mi.)***	***AW390 / 49***	***1865***
PARKER RESIDENCE Registry ID:: 110065258651	16705 GLENDOWER	S 1/4 - 1/2 (0.498 mi.)	AX401 / 49	1886
CALIF CITY WASTEWATE Registry ID:: 110064929181	10835 NELSON DR	S 1/2 - 1 (0.507 mi.)	AY403 / 20	1886
CALIFORNIA CITY WAST Registry ID:: 110070477851	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY412 / 20***	***1989***
CALIFORNIA CITY CS Registry ID:: 110065557212	10835 NELSON	S 1/2 - 1 (0.507 mi.)	AY413 / 20	1989
CITY OF CALIFORNIA C Registry ID:: 110002056195	10835 NELSON DRIVE	S 1/2 - 1 (0.507 mi.)	AY414 / 20	1990
FORMER JC FENNEL & S Registry ID:: 110066019114	27401 20 MULE TEAM R	N 1/2 - 1 (0.541 mi.)	BA428 / 53	2018
JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	N 1/2 - 1 (0.549 mi.)	AZ442 / 52	2044

Registry ID:: 110065698123				
BORON SERVICE STATIO	27195 TWENTY MULE TE	N 1/2 - 1 (0.549 mi.)	AZ443 / 52	2044
Registry ID:: 110065048585				
G&J HEAVY HAUL INC.	2564 CA-58	N 1/2 - 1 (0.570 mi.)	BF460 / 53	2064
DESERT LAKE COMM SER		ENE 1/2 - 1 (0.573 mi.)	BE462 / 52	2065
FAMILY DOLLAR INC #1	***26645 TWENTY MULE TE***	***N 1/2 - 1 (0.577 mi.)***	***BH467 / 52***	***2079***
Registry ID:: 110070422242				
BORON AUTO BODY	***26049 20 MULETEAM RD***	***N 1/2 - 1 (0.623 mi.)***	***BM483 / 52***	***2094***
Registry ID:: 110002816463				
VERIZON CALIFORNIA:	12156 ROBERTS AVE	N 1/2 - 1 (0.678 mi.)	BO496 / 52	2123
Registry ID:: 110064974844				
FRONTIER CALIFORNIA	12156 ROBERTS AVENUE	N 1/2 - 1 (0.678 mi.)	BO498 / 52	2123
Registry ID:: 110070521185				
DODDERER THIRD PARTY	26960 ANDERSON ST	N 1/2 - 1 (0.700 mi.)	BR506 / 52	2132
CASTROL PREMIUM LUBE	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT525 / 29***	***2170***
Registry ID:: 110066178549				
U.S. BORAX, INC.	14886 BORAX RD	N 1/2 - 1 (0.762 mi.)	BU537 / 42	2182
Registry ID:: 110070339139				
KERN COUNTY FIRE DEP	26965 COTE ST	N 1/2 - 1 (0.795 mi.)	BX551 / 52	2213
Registry ID:: 110065675861				
BEHIND FIRE STATION	26965 COTE ST	N 1/2 - 1 (0.795 mi.)	BX555 / 52	2222
Registry ID:: 110020820799				
DAVID V EIDE	14814 CASTLE BUTTE R	N 1/2 - 1 (0.804 mi.)	561 / 40	2230
Registry ID:: 110068414077				
ROSS E SWINDELHURST	***12313 BORON AVE***	***N 1/2 - 1 (0.809 mi.)***	***BY562 / 52***	***2230***
Registry ID:: 110070446673				
BORON SHELL	12366 BORON AVENUE	N 1/2 - 1 (0.858 mi.)	CB575 / 52	2243
Registry ID:: 110070521375				
CIRCLE K STORE #749	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
Registry ID:: 110002748830				
BETTY MILLER	***27095 JEROME STREET***	***N 1/2 - 1 (0.861 mi.)***	***CC579 / 52***	***2263***
BORON MAINTENANCE FA	26653 PROSPECT AVENU	N 1/2 - 1 (0.869 mi.)	CD583 / 52	2278
Registry ID:: 110066408033				
MUROC JOINT UNIFIED	26653 PROSPECT ST	N 1/2 - 1 (0.869 mi.)	CD584 / 52	2279
Registry ID:: 110066625245				
MUROC JT UNIF SCHL D	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD591 / 52***	***2286***
Registry ID:: 110012196097				
ROCHELL BURTON	***10661 APPLEWOOD DR***	***W 1/2 - 1 (0.869 mi.)***	***CE602 / 20***	***2371***
JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	W 1/2 - 1 (0.960 mi.)	CI618 / 20	2396
ARMANDO PLIEGO	***20917 CALIFORNIA CIT***	***W 1/2 - 1 (0.960 mi.)***	***CI619 / 20***	***2397***
Registry ID:: 110070402018				
DENNIS AUTOMOTIVE	10521 YALE AVE	W 1/2 - 1 (0.984 mi.)	CJ622 / 20	2400
Registry ID:: 110066367023				
DENNIS AUTOMOTIVE &	***10521 YALE AVE***	***W 1/2 - 1 (0.984 mi.)***	***CJ623 / 20***	***2400***
Registry ID:: 110070478115				

EXECUTIVE SUMMARY

ECHO: Enforcement & Compliance History Information

A review of the ECHO list, as provided by EDR, and dated 06/26/2021 has revealed that there are 32 ECHO sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LUZ SOLAR PARTNERS I Registry ID: 110005994763	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E52 / 54***	***751***
KRAMER JUNCTION COMP Registry ID: 110006820431	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E58 / 54***	***766***
LUZ SOLAR PARTNERS I Registry ID: 110038856636	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E79 / 54***	***837***
PILOT TRAVEL CENTER Registry ID: 110070468277	***5725 HIGHWAY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D114 / 54***	***993***
BORON SANITARY LANDF Registry ID: 110012695299	11400 BORON AVENUE	S 0 - 1/8 (0.083 mi.)	M146 / 52	1172
EXPRESS TIRES	5875 HIGHWAY 58	ENE 1/8 - 1/4 (0.136 mi.)	P167 / 54	1202
CEDAR LANDMARK INC A Registry ID: 110070511538	***5121 E STATE HIGHWAY***	***N 1/8 - 1/4 (0.149 mi.)***	***T182 / 54***	***1218***
U. S. BORAX, BORON O Registry ID: 110043789763	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD255 / 51***	***1347***
US BORAX INC Registry ID: 110017398145	***14486 BORAX RD.***	***E 1/4 - 1/2 (0.287 mi.)***	***AD259 / 51***	***1451***
AMES CONSTRUCTION IN Registry ID: 110070417893	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD266 / 51***	***1515***
DEBORA EPHRIAM Registry ID: 110070462779	***12489 SIERRA VIEW ST***	***E 1/4 - 1/2 (0.335 mi.)***	***AJ321 / 51***	***1742***
NORTH MUROC MUTUAL W Registry ID: 110013131342		N 1/4 - 1/2 (0.400 mi.)	334 / 49	1757
BORON BIBLE CHURCH Registry ID: 110070403888	***26904 NICHOLS ST***	***N 1/4 - 1/2 (0.405 mi.)***	***AO339 / 52***	***1762***
USNASA JET PROPULSIO Registry ID: 110032745956	***NORTH BASE RD EDWARD***	***ESE 1/4 - 1/2 (0.446 mi.)***	***365 / 48***	***1830***
FOUR CORNERS UNION Registry ID: 110070430346	***6158 HWY 58 KRAMER J***	***E 1/4 - 1/2 (0.471 mi.)***	***AV380 / 55***	***1843***
NORTH EDWARDS WATER Registry ID: 110065771864	***13525 FRAN ST***	***S 1/4 - 1/2 (0.473 mi.)***	***AW390 / 49***	***1865***
CITY OF CALIFORNIA C Registry ID: 110002056195	10835 NELSON DRIVE	S 1/2 - 1 (0.507 mi.)	AY410 / 20	1986
CALIFORNIA CITY WAST Registry ID: 110070477851	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY412 / 20***	***1989***
DESERT LAKE COMM SER Registry ID: 110013132092		ENE 1/2 - 1 (0.561 mi.)	BE454 / 52	2058
G&J HEAVY HAUL INC. Registry ID: 110070720101	2564 CA-58	N 1/2 - 1 (0.570 mi.)	BF459 / 53	2063
FAMILY DOLLAR INC #1 Registry ID: 110070422242	***26645 TWENTY MULE TE***	***N 1/2 - 1 (0.577 mi.)***	***BH467 / 52***	***2079***
BORON AUTO BODY	***26049 20 MULETEAM RD***	***N 1/2 - 1 (0.623 mi.)***	***BM483 / 52***	***2094***

Registry ID: 110002816463				
DODDERER THIRD PARTY Registry ID: 110070798065	26960 ANDERSON ST	N 1/2 - 1 (0.700 mi.)	BR507 / 52	2132
CASTROL PREMIUM LUBE Registry ID: 110066178549	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT525 / 29***	***2170***
ROSS E SWINDELHURST Registry ID: 110070446673	***12313 BORON AVE***	***N 1/2 - 1 (0.809 mi.)***	***BY562 / 52***	***2230***
CIRCLE K STORE #749 Registry ID: 110002748830	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
BETTY MILLER Registry ID: 110070844975	***27095 JEROME STREET***	***N 1/2 - 1 (0.861 mi.)***	***CC579 / 52***	***2263***
MUROC JT UNIF SCHL D Registry ID: 110012196097	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD591 / 52***	***2286***
ROCHELL BURTON Registry ID: 110070854797	***10661 APPLEWOOD DR***	***W 1/2 - 1 (0.869 mi.)***	***CE602 / 20***	***2371***
JOSE BRIOSO CONSTRUC Registry ID: 110070810190	20917 CALIFORNIA CIT	W 1/2 - 1 (0.960 mi.)	CI617 / 20	2396
ARMANDO PLIEGO Registry ID: 110070402018	***20917 CALIFORNIA CIT***	***W 1/2 - 1 (0.960 mi.)***	***CI619 / 20***	***2397***
DENNIS AUTOMOTIVE & Registry ID: 110070478115	***10521 YALE AVE***	***W 1/2 - 1 (0.984 mi.)***	***CJ623 / 20***	***2400***

UXO: Unexploded Ordnance Sites

A review of the UXO list, as provided by EDR, and dated 12/31/2018 has revealed that there are 7 UXO sites within approximately 2 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
OFF BASE ADACENT ARE		S 0 - 1/8 (0.023 mi.)	87 / 49	953
OFF BASE ADJACENT AR		S 0 - 1/8 (0.114 mi.)	Q159 / 52	1197
OFF BASE ADJACENT AR		S 0 - 1/8 (0.114 mi.)	Q160 / 52	1198
PISTOL RANGE		S 1/4 - 1/2 (0.268 mi.)	AC217 / 49	1289
NORTH BASE ORDNANCE		S 1/4 - 1/2 (0.268 mi.)	AC218 / 49	1290
EAFB OFF-BASE ADJACE		N 1/4 - 1/2 (0.420 mi.)	343 / 49	1766
EDWARDS AIR FORCE BA		SW 1/2 - 1 (0.813 mi.)	BZ566 / 30	2235

Cortese: "Cortese" Hazardous Waste & Substances Sites List

A review of the Cortese list, as provided by EDR, and dated 06/17/2021 has revealed that there are 13 Cortese sites within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FEDERAL PRISON CAMP Cleanup Status: COMPLETED - CASE CLOSED	***HWY 395***	***WSW 0 - 1/8 (0.023 mi.)***	***D86 / 54***	***951***
FOUR CORNERS ARCO AM Cleanup Status: COMPLETED - CASE CLOSED	***5121 HIGHWAY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T188 / 54***	***1247***
US BORAX PLANT	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD269 / 51***	***1520***

Cleanup Status: COMPLETED - CASE CLOSED

FOUR CORNERS UNOCAL ***2851 STATE HWY 58*** ***N 1/4 - 1/2 (0.425 mi.)*** ***AQ351 / 53*** ***1793***
Cleanup Status: COMPLETED - CASE CLOSED

FOUR CORNERS CHEVRON ***2852 HWY 58*** ***N 1/4 - 1/2 (0.432 mi.)*** ***AQ356 / 53*** ***1806***
Cleanup Status: COMPLETED - CASE CLOSED

JC FENNELL & SONS GA ***27401 20 MULE TEAM R*** ***N 1/2 - 1 (0.541 mi.)*** ***BA429 / 53*** ***2018***
Cleanup Status: OPEN - SITE ASSESSMENT

JIMMY'S LUBE AND DET ***27195 TWENTY MULE TE*** ***N 1/2 - 1 (0.549 mi.)*** ***AZ439 / 52*** ***2033***
Cleanup Status: COMPLETED - CASE CLOSED

GEPHART SCHOOL ***T11N R7W SECTION 19*** ***N 1/2 - 1 (0.685 mi.)*** ***BP501 / 52*** ***2127***
Cleanup Status: COMPLETED - CASE CLOSED

KERN CO FIRE DEPT ST ***26965 COTE ST*** ***N 1/2 - 1 (0.795 mi.)*** ***BX554 / 52*** ***2215***
Cleanup Status: COMPLETED - CASE CLOSED

CIRCLE K #749 ***12366 BORON AVE*** ***N 1/2 - 1 (0.858 mi.)*** ***CB576 / 52*** ***2243***
Cleanup Status: COMPLETED - CASE CLOSED

BORON MAINTENANCE FA ***26653 PROSPECT AVENU*** ***N 1/2 - 1 (0.869 mi.)*** ***CD586 / 52*** ***2281***
Cleanup Status: COMPLETED - CASE CLOSED

SILVER SADDLE RANCH ***20751 ARISTOTLE DR*** ***N 1 - 2 (1.083 mi.)*** ***CK632 / 5*** ***2421***
Cleanup Status: COMPLETED - CASE CLOSED

MOJAVE GUNNERY RANGE ***2 MILE SW OF 21000 H*** ***SSE 1 - 2 (1.236 mi.)*** ***660 / 20*** ***2487***
Envirostor Id: 80000950
Cleanup Status: ACTIVE

CUPA Listings: CUPA Resources List

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 27 CUPA Listings sites within approximately 1.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
RIO TINTO - BORON BA	14776 GEPHART RD	NNE 0 - 1/8 (0.022 mi.)	85 / 42	950
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
D&R AUTOMOTIVE	***24045 TWENTY MULE TE***	***E 0 - 1/8 (0.046 mi.)***	***H120 / 51***	***1034***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
KERN COUNTY PUBLIC W	***11400 BORON AVENUE***	***S 0 - 1/8 (0.083 mi.)***	***M142 / 52***	***1160***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
FRONTIER CALIFORNIA	***13150 GRANADA STREET***	***N 1/8 - 1/4 (0.140 mi.)***	***R169 / 49***	***1205***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
VERIZON WIRELESS BOR	***12088 BORAX ROAD***	***ENE 1/8 - 1/4 (0.149 mi.)***	***S174 / 51***	***1208***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
CACHE VALLEY ELECTRI	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD252 / 51***	***1339***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
CHC CALIFORNIA CITY,	***20000 BUCKNELL CT***	***W 1/4 - 1/2 (0.355 mi.)***	***327 / 29***	***1749***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
BNSF RAILWAY COMPANY	***12591 MUROC RD***	***W 1/4 - 1/2 (0.434 mi.)***	***AS361 / 48***	***1823***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
AT AND T MOBILITY -	6158 HIGHWAY 58	E 1/4 - 1/2 (0.471 mi.)	AV389 / 55	1865
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				

EXECUTIVE SUMMARY

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
NORTH EDWARDS WATER	***13525 FRAN ST***	***S 1/4 - 1/2 (0.473 mi.)***	***AW391 / 49***	***1866***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
PARKER RESIDENCE	***16705 GLENDOWER***	***S 1/4 - 1/2 (0.498 mi.)***	***AX398 / 49***	***1877***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
ROSENDO & EYNA NAVAR	***27195 TWENTY MULE TE***	***N 1/2 - 1 (0.549 mi.)***	***AZ436 / 52***	***2030***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
FAMILY DOLLAR #31432	26645 20 MULE TEAM R	N 1/2 - 1 (0.577 mi.)	BH464 / 52	2066
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
44 ELECTRIC	26967 NUDGENT ST	N 1/2 - 1 (0.642 mi.)	489 / 52	2100
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
VERIZON CALIFORNIA I	***12156 ROBERTS AVE***	***N 1/2 - 1 (0.678 mi.)***	***BO499 / 52***	***2124***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
CASTROL PREMIUM LUBE	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT524 / 29***	***2160***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
CIRCLE K STORE #749	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
MUROC JOINT USD-MAIN	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD592 / 52***	***2289***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
BORON HIGH SCHOOL	***26831 PROSPECT ST***	***N 1/2 - 1 (0.893 mi.)***	***CF608 / 52***	***2386***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
DENNIS AUTOMOTIVE	***10521 YALE AVE***	***W 1/2 - 1 (0.984 mi.)***	***CJ625 / 20***	***2402***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
SILVER SADDLE RANCH	***20751 ARISTOTLE DR***	***N 1 - 2 (1.083 mi.)***	***CK633 / 5***	***2428***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
T-MOBILE WEST, LLC S	***21130 HACIENDA BLVD***	***SSE 1 - 2 (1.114 mi.)***	***CL638 / 20***	***2446***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
VERIZON WIRELESS CAL	21130 HACIENDA BOULE	SSE 1 - 2 (1.114 mi.)	CL639 / 20	2451
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
CITY OF CALIF PARKS	10460 HEATHER AVE	S 1 - 2 (1.205 mi.)	CO651 / 20	2460
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
#7701 FASTRIP #45	***8601 CALIFORNIA CITY***	***SSW 1 - 2 (1.205 mi.)***	***CP656 / 20***	***2467***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				
VERIZON WIRELESS BOR	***12547 BORON AVE***	***N 1 - 2 (1.227 mi.)***	***659 / 52***	***2484***
Database: KERN CO CUPA, Date of Government Version: 07/06/2021				

EMI: Emissions Inventory Data

A review of the EMI list, as provided by EDR, and dated 12/31/2019 has revealed that there are 23 EMI sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
KRAMER JUNCTION COMP	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E25 / 54***	***651***
Facility Id: 27700941				
LUZ SOLAR PARTNERS I	41100 HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E74 / 54	782
Facility Id: 27700941				
SEGS (III THROUGH VI	41100 HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E80 / 54	837

Facility Id: 941 Facility Id: 27700941				
KIEWIT INFRASTRUCTUR Facility Id: 3805	STATE ROUTE 58 & HIG	ENE 0 - 1/8 (0.028 mi.)	G102 / 54	962
WAYSTATION UNOCAL 76 Facility Id: 99000740 Facility Id: 740	HIGHWAY 58 AND 395	ENE 0 - 1/8 (0.028 mi.)	G106 / 54	965
PILOT TRAVEL CENTER Facility Id: 35202427 Facility Id: 2427	***5725 HWY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D108 / 54***	***968***
KERN COUNTY WASTE MA Facility Id: 27001	11400 BORON AVENUE	S 0 - 1/8 (0.083 mi.)	M148 / 52	1176
CALTRANS - BEECHERS Facility Id: 2221	40400 HWY 395	SSE 0 - 1/8 (0.099 mi.)	O152 / 54	1180
CALTRANS - BEECHERS Facility Id: 113602221	40400 STATE HWY 395	SSE 0 - 1/8 (0.099 mi.)	O153 / 54	1180
FRONTIER CALIFORNIA Facility Id: 494002	***13150 GRANADA STREET***	***N 1/8 - 1/4 (0.140 mi.)***	***R169 / 49***	***1205***
FOUR CORNERS ARCO AM Facility Id: 1638 Facility Id: 174701638 Facility Id: 226801638	***5121 HIGHWAY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T188 / 54***	***1247***
CHS INDUSTRIAL Facility Id: 366001	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD226 / 51	1297
CHS INDUSTRIAL Facility Id: 366002	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD229 / 51	1319
US BORAX PLANT Facility Id: 593 Facility Id: 28	***14486 BORAX ROAD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD269 / 51***	***1520***
FOUR CORNERS CHEVRON Facility Id: 651 Facility Id: 99000651	***2852 HWY 58***	***N 1/4 - 1/2 (0.432 mi.)***	***AQ356 / 53***	***1806***
CITY OF CALIFORNIA C Facility Id: 409	10835 NORTH NELSON D	S 1/2 - 1 (0.507 mi.)	AY404 / 20	1887
FRONTIER CALIFORNIA Facility Id: 494004	12156 ROBERTS AVENUE	N 1/2 - 1 (0.678 mi.)	BO497 / 52	2123
SCG - KRAMER JUNCTIO Facility Id: 3102441	***SECTION 4 T10N R6W***	***SSE 1/2 - 1 (0.759 mi.)***	***BS521 / 54***	***2155***
SCG - KRAMER JUNCTIO Facility Id: 3102441	SECTION 4, T10N R6W	SSE 1/2 - 1 (0.759 mi.)	BS522 / 54	2156
KERN COUNTY FIRE DEP Facility Id: 8458018	26965 COTE STREET	N 1/2 - 1 (0.795 mi.)	BX553 / 52	2214
BORON SHELL Facility Id: 8997001	12366 BORON AVENUE	N 1/2 - 1 (0.858 mi.)	CB572 / 52	2240
MUROC JOINT UNIFIED Facility Id: 486003	26653 PROSPECT STREE	N 1/2 - 1 (0.869 mi.)	CD588 / 52	2284
MUROC JOINT UNIFIED	26653 PROSPECT STREE	N 1/2 - 1 (0.869 mi.)	CD589 / 52	2284

EXECUTIVE SUMMARY

Facility Id: 8009003

ENF: Enforcement Action Listing

A review of the ENF list, as provided by EDR, and dated 04/16/2021 has revealed that there are 9 ENF sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
KRAMER JUNCTION COMP Status: Historical Status: Active Facility Id: 256223 Facility Id: 256225 Facility Id: 256228	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E25 / 54***	***651***
ROADHOUSE RESTAURANT Status: Never Active Status: Historical Status: Active Facility Id: 252977	***HWY 395 KRAMER JUNCT***	***ENE 0 - 1/8 (0.056 mi.)***	***J128 / 54***	***1044***
DESERT LAKE CSD WTF Status: Historical Status: Active Facility Id: 219661	***W OF BORON***	***E 0 - 1/8 (0.074 mi.)***	***137 / 51***	***1087***
BORON CLASS III LAND Status: Historical Status: Historical Facility Id: 210078	***5 MI SO OF BORON***	***S 0 - 1/8 (0.075 mi.)***	***L138 / 52***	***1104***
US BORAX BORON OPERA Status: Historical Status: Active Status: Active Facility Id: 226707 Facility Id: 210080	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
CALIFORNIA CITY CS Status: Active Status: Active Facility Id: 630829	***10835 NELSON DRIVE***	***S 1/2 - 1 (0.507 mi.)***	***AY417 / 20***	***2007***
JIMMY'S LUBE AND DET Status: Active Facility Id: 750952	***27195 TWENTY MULE TE***	***N 1/2 - 1 (0.549 mi.)***	***AZ439 / 52***	***2033***
BORON REST FACILITY Status: Historical Status: Active Facility Id: 210081	***HWY 58 W OF BORON***	***S 1/2 - 1 (0.560 mi.)***	***453 / 51***	***2053***
BORON STP Status: Historical Facility Id: 210082	***WEST BORON***	***N 1/2 - 1 (0.861 mi.)***	***581 / 52***	***2264***

Financial Assurance: Financial Assurance Information Listing

A review of the Financial Assurance list, as provided by EDR, has revealed that there are 2 Financial Assurance sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
KERN COUNTY PUBLIC W	***11400 BORON AVENUE***	***S 0 - 1/8 (0.083 mi.)***	***M142 / 52***	***1160***
Database: Financial Assurance 2, Date of Government Version: 05/13/2021 SWIS No: 15-AA-0045				
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
Database: Financial Assurance 2, Date of Government Version: 05/13/2021 SWIS No: 15-AA-0278				

HAZNET: Facility and Manifest Data

A review of the HAZNET list, as provided by EDR, and dated 12/31/2019 has revealed that there are 73 HAZNET sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LUZ SOLAR PARTNERS L GEPAID: CAL000001784	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E32 / 54***	***675***
LUZ SOLAR PARTNERS I GEPAID: CAL000301046	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E34 / 54***	***688***
LUZ ENGINEERING CORP GEPAID: CAD981620321	***41100 HWY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E35 / 54***	***718***
LUZ SOLAR PARTNERS L GEPAID: CAL921543839	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E36 / 54***	***720***
LUZ SOLAR PARTNERS L GEPAID: CAL921543768	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E37 / 54***	***729***
LUZ ENGINEERING CORP GEPAID: CAD981620388	***41100 HWY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E40 / 54***	***738***
LUZ SOLAR PARTNERS, GEPAID: CAL921543827	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E57 / 54***	***758***
LUZ SOLAR PARTNERS I GEPAID: CAD981620446	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E78 / 54***	***796***
LUZ SOLAR PARTNERS, GEPAID: CAL000001783	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E82 / 54***	***841***
CR ENGLAND TRUCKING GEPAID: CAC002632841	***5725 HIGHWAY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D111 / 54***	***988***
PILOT LLC GEPAID: CAC002553429	***5725 HWY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D116 / 54***	***994***
PILOT TRAVEL CENTER GEPAID: CAL000316603	***5725 HIGHWAY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D117 / 54***	***996***
MIKE'S AUTOMOTIVE GEPAID: CAL000226267	***24045 TWENTY MULE TE***	***E 0 - 1/8 (0.046 mi.)***	***H121 / 51***	***1035***
GEORGE GIBSON GEPAID: CAC002136401	***24009 TWENTY MULETEA***	***E 0 - 1/8 (0.071 mi.)***	***H132 / 51***	***1081***
PILOT TRAVEL CENTER	***5823 CA-58***	***ENE 0 - 1/8 (0.079 mi.)***	***J140 / 54***	***1158***

GEPAID: CAC002935162				
KERN COUNTY PUBLIC W GEPAID: CAH111000199	***11400 BORON AVENUE***	***S 0 - 1/8 (0.083 mi.)***	***M142 / 52***	***1160***
MUROC USD - FORBES A GEPAID: CAC001323712	***17100 FOOTHILL DR***	***N 0 - 1/8 (0.124 mi.)***	***161 / 49***	***1198***
ATHANOR ENVIRONMENTA GEPAID: CAC002906080	***5121 HIGHWAY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T177 / 54***	***1212***
CEDAR LANDMARK INC A GEPAID: CAL000413787	***5121 E STATE HIGHWAY***	***N 1/8 - 1/4 (0.149 mi.)***	***T180 / 54***	***1216***
RON KOTLER GEPAID: CAC002693136	***13201 GILBERT ST***	***N 1/8 - 1/4 (0.173 mi.)***	***198 / 49***	***1260***
US DEPT HOUSING URBA GEPAID: CAC002106488	***24157 CHAPPARREL AVE***	***ENE 1/8 - 1/4 (0.206 mi.)***	***201 / 51***	***1266***
PATRICIA HARRALD GEPAID: CAC002823376	***24197 JOSHUA AVE***	***NE 1/4 - 1/2 (0.270 mi.)***	***219 / 51***	***1290***
MOJAVE COGENERATION GEPAID: CAD983658519	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD228 / 51	1299
CACHE VALLEY ELECTRI GEPAID: CAC002949465	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD252 / 51***	***1339***
EIF MOJAVE LLC GEPAID: CAL000353705	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD273 / 51***	***1546***
MICHAEL HENDERSON GEPAID: CAC002756647	***12163 EL MIRAGE ST***	***E 1/4 - 1/2 (0.289 mi.)***	***304 / 52***	***1727***
LEWIS ROBERSON GEPAID: CAC002848929	***13336 GILBERT ST***	***N 1/4 - 1/2 (0.296 mi.)***	***306 / 49***	***1730***
1X T W OWENS GEPAID: CAC000701528	***16977 MONTERY AVE***	***S 1/4 - 1/2 (0.328 mi.)***	***AI320 / 49***	***1741***
DEBORA EPHRIAM GEPAID: CAC002972490	***12489 SIERRA VIEW ST***	***E 1/4 - 1/2 (0.335 mi.)***	***AJ323 / 51***	***1745***
KERN CNTY/GENERAL SV GEPAID: CAC002565822	***26998 JOHN ST***	***N 1/4 - 1/2 (0.353 mi.)***	***326 / 52***	***1748***
BORON BIBLE CHURCH GEPAID: CAC002978113	***26904 NICHOLS ST***	***N 1/4 - 1/2 (0.405 mi.)***	***AO340 / 52***	***1762***
VICKI MUELLNER GEPAID: CAC002939527	***16821 DESERITA AVE***	***S 1/4 - 1/2 (0.413 mi.)***	***341 / 49***	***1763***
YESENA ALFARO GEPAID: CAC002834137	***24232 JUNIPER AVE***	***NE 1/4 - 1/2 (0.421 mi.)***	***345 / 51***	***1767***
DONNA FORT GEPAID: CAC002718408	***24330 TAMARISK AVE***	***ENE 1/4 - 1/2 (0.422 mi.)***	***346 / 52***	***1768***
FOUR CORNERS UNOCAL GEPAID: CAC002751253	***2851 STATE HWY 58***	***N 1/4 - 1/2 (0.425 mi.)***	***AQ351 / 53***	***1793***
BNSF RAILWAY COMPANY GEPAID: CAC002826002	***12591 MUROC RD***	***W 1/4 - 1/2 (0.434 mi.)***	***AS361 / 48***	***1823***
NANCY SWINDLEHURST GEPAID: CAC002831793	***24405 TAMARISK AVE***	***ENE 1/4 - 1/2 (0.495 mi.)***	***396 / 52***	***1874***
CALIFORNIA CITY WAST	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY407 / 20***	***1964***

GEPAID: CAL000349721				
CITY OF CALIFORNIA C GEPAID: CAP000206045	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY415 / 20***	***1990***
1X J.C. FENNEL AND S GEPAID: CAC000824288	***27401 TWENTY MULE TE***	***N 1/2 - 1 (0.541 mi.)***	***BA423 / 53***	***2012***
ELIZABETH DYSON GEPAID: CAC002643574	***27201 20 MULE TEAM R***	***N 1/2 - 1 (0.548 mi.)***	***AZ434 / 52***	***2028***
ROSENDO & EYNA NAVAR GEPAID: CAC002899589	***27195 TWENTY MULE TE***	***N 1/2 - 1 (0.549 mi.)***	***AZ436 / 52***	***2030***
JIMMY'S LUBE AND DET GEPAID: CAC002113304	***27195 TWENTY MULE TE***	***N 1/2 - 1 (0.549 mi.)***	***AZ437 / 52***	***2031***
MICHAEL & DIANA VERO GEPAID: CAC002715962	***27457 TWENTY MULE TE***	***N 1/2 - 1 (0.569 mi.)***	***457 / 53***	***2060***
FAMILY DOLLAR INC #1 GEPAID: CAL000411131	***26645 TWENTY MULE TE***	***N 1/2 - 1 (0.577 mi.)***	***BH466 / 52***	***2072***
PRINCIPAL RESIDENTIA GEPAID: CAC001498584	***27011 NUDGENT ST***	***N 1/2 - 1 (0.642 mi.)***	***490 / 52***	***2100***
ALFREDO FLORES GEPAID: CAC002718861	***9781 MARGERY AVE***	***S 1/2 - 1 (0.675 mi.)***	***495 / 20***	***2121***
VERIZON CALIFORNIA I GEPAID: CAC002648714	***12156 ROBERTS AVE***	***N 1/2 - 1 (0.678 mi.)***	***BO499 / 52***	***2124***
1X DEBORD CEPTIC SVC GEPAID: CAC000257529	***27044 ANDERSON STREE***	***N 1/2 - 1 (0.693 mi.)***	***BQ504 / 52***	***2130***
DODDERER THIRD PARTY GEPAID: CAP000201046	***26960 ANDERSON ST***	***N 1/2 - 1 (0.700 mi.)***	***BR509 / 52***	***2136***
EAST KERN HEALTH CAR GEPAID: CAL912113411	***9300 NORTH LOOP BLVD***	***SSE 1/2 - 1 (0.711 mi.)***	***511 / 20***	***2144***
IRAJ FAJIMIAN GEPAID: CAC002766153	***10755 JEREMY DR***	***W 1/2 - 1 (0.712 mi.)***	***512 / 20***	***2145***
JANET EYRE GEPAID: CAC002719080	***27163 ANDERSON ST***	***N 1/2 - 1 (0.726 mi.)***	***514 / 52***	***2148***
JASON MARKIEWITZ GEPAID: CAC002957353	***9849 KAREN AVE***	***S 1/2 - 1 (0.734 mi.)***	***515 / 20***	***2149***
ANDY BARTOSOVKY GEPAID: CAC002934867	***10733 JEREMY CT***	***W 1/2 - 1 (0.755 mi.)***	***520 / 20***	***2154***
TEXACO EXPRESS LUBE GEPAID: CAL000143209	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT523 / 29***	***2157***
CASTROL PREMIUM LUBE GEPAID: CAL000264749	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT524 / 29***	***2160***
TEXACO EXPRESS LUBE GEPAID: CAL000179961	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT527 / 29***	***2173***
NASA JET PROPULSION GEPAID: CA2570090512	***NORTH BASE RD, EDWAR***	***E 1/2 - 1 (0.766 mi.)***	***BV542 / 48***	***2184***
HENRY DELGADO GEPAID: CAC002845467	***27132 COTE ST***	***N 1/2 - 1 (0.771 mi.)***	***545 / 52***	***2207***
1X KERN COUNTY FIRE	***26965 COTE STREET***	***N 1/2 - 1 (0.795 mi.)***	***BX556 / 52***	***2222***

GEPAID: CAC000709856				
COUNTY OF KERN GEPAID: CAC002741288	***26965 COTE ST***	***N 1/2 - 1 (0.795 mi.)***	***BX558 / 52***	***2225***
MILLER, WILLIAM AND GEPAID: CAC002939463	***27144 JEROME STREET***	***N 1/2 - 1 (0.836 mi.)***	***570 / 52***	***2237***
CIRCLE K STORE #749 GEPAID: CAD981679574	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
MJUSD-MUROC JOINT UN GEPAID: CAL912405351	***26653 PROSPECT***	***N 1/2 - 1 (0.869 mi.)***	***CD585 / 52***	***2279***
MUROC JOINT USD-MAIN GEPAID: CAR000092932	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD592 / 52***	***2289***
1X MUROC JOINT U S D GEPAID: CAC000619400	***26653 PROSPECT***	***N 1/2 - 1 (0.869 mi.)***	***CD593 / 52***	***2362***
BORON JUNIOR SENIOR GEPAID: CAC001024528	***26831 PROSPECT STREE***	***N 1/2 - 1 (0.893 mi.)***	***CF604 / 52***	***2374***
1X BORON HIGH SCHOOL GEPAID: CAX000128462	***26831 PROSPECT ST***	***N 1/2 - 1 (0.893 mi.)***	***CF605 / 52***	***2382***
BORON JR SR HIGH SCH GEPAID: CAC000953144	***26831 PROSPECT ST***	***N 1/2 - 1 (0.893 mi.)***	***CF607 / 52***	***2385***
BORON HIGH SCHOOL GEPAID: CAC001022840	***26831 PROSPECT ST***	***N 1/2 - 1 (0.893 mi.)***	***CF608 / 52***	***2386***
JIMSON GEPAID: CAC002852833	***8436 JIMSON AVE***	***SW 1/2 - 1 (0.908 mi.)***	***611 / 19***	***2390***
ARMANDO PLIEGO GEPAID: CAC002974117	***20917 CALIFORNIA CIT***	***W 1/2 - 1 (0.960 mi.)***	***CI616 / 20***	***2395***

HIST CORTESE: Hazardous Waste & Substance Site List

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 10 HIST CORTESE sites within approximately 1.5 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FEDERAL PRISON CAMP Reg Id: 6B1500139T	***HWY 395***	***WSW 0 - 1/8 (0.023 mi.)***	***D86 / 54***	***951***
FOUR CORNERS UNOCAL Reg Id: 6B3600205T	HWY 395 & HWY 58	ENE 0 - 1/8 (0.028 mi.)	G97 / 54	958
FOUR CORNERS CHEVRON Reg Id: 6B3600681T	***2852 HWY 58***	***N 1/4 - 1/2 (0.432 mi.)***	***AQ356 / 53***	***1806***
JC FENNEL & SONS Reg Id: 6B1500443T	***27401 20 MULE TEAM R***	***N 1/2 - 1 (0.541 mi.)***	***BA426 / 53***	***2014***
JIMMY'S LUBE AND DET Reg Id: 6B1500951T	***27195 TWENTY MULE TE***	***N 1/2 - 1 (0.549 mi.)***	***AZ439 / 52***	***2033***
GEPHART SCHOOL Reg Id: 6B1500453T	***T11N R7W SECTION 19***	***N 1/2 - 1 (0.685 mi.)***	***BP501 / 52***	***2127***
COUNTY OF KERN Reg Id: 5B1500472T	***26965 COTE ST***	***N 1/2 - 1 (0.795 mi.)***	***BX558 / 52***	***2225***
CIRCLE K STORE #749	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***

Reg Id: 6B1500669T				
SILVER SADDLE RANCH Reg Id: 6B1500784T	20755 ARISTOTLE	NNW 1 - 2 (1.168 mi.)	CM645 / 5	2456
BLDG 4318 Reg Id: 6B1500011T	***NORTHBASE***	***SE 1 - 2 (1.364 mi.)***	***661 / 49***	***2500***

HWP: EnviroStor Permitted Facilities Listing

A review of the HWP list, as provided by EDR, and dated 05/14/2021 has revealed that there are 3 HWP sites within approximately 2 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
NASA JET PROPULSION EPA ID: CA2570090512 Cleanup Status: CLOSED	***NORTH BASE RD, EDWAR***	***E 1/2 - 1 (0.770 mi.)***	***BV544 / 48***	***2201***
US BORAX INC EPA ID: CAD008323255 Cleanup Status: PROTECTIVE FILER	***HIGHWAY 58***	***N 1 - 2 (1.388 mi.)***	***CQ664 / 42***	***2506***
NASA ARMSTRONG FLIGH EPA ID: CA9800005036 Cleanup Status: CLOSED	***BLDG 4800 EDWARDS AF***	***SSE 1 - 2 (1.564 mi.)***	***CR665 / 57***	***2618***

NPDES: NPDES Permits Listing

A review of the NPDES list, as provided by EDR, and dated 05/10/2021 has revealed that there are 9 NPDES sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CALTRANS HIGHWAY 58 Facility Status: Terminated	***WEST OF HIGHWAY 395***	***WSW 0 - 1/8 (0.047 mi.)***	***123 / 54***	***1037***
EDWARDS SUBSTATION Facility Status: Active	***N BASE RD & ROSAMOND***	***E 0 - 1/8 (0.085 mi.)***	***149 / 48***	***1176***
BOLTHOUSE SOLAR Facility Status: Terminated	***9101 MENDIBURU ROAD***	***SSE 1/8 - 1/4 (0.182 mi.)***	***X199 / 20***	***1261***
PG&E 2015 GAS TRANSM	***SR 58 CLAYMINE ROAD***	***E 1/8 - 1/4 (0.222 mi.)***	***204 / 48***	***1269***
KIEWIT INFRASTRUCTUR Facility Status: Terminated	***5955 SALTON RD***	***ENE 1/4 - 1/2 (0.263 mi.)***	***216 / 54***	***1284***
CALIFORNIA CITY CANN Facility Status: Active	***9650 DENHART AVE***	***S 1/4 - 1/2 (0.286 mi.)***	***AE221 / 20***	***1294***
FAMILY DOLLAR BORON	***NEC GARDINER ST AND***	***N 1/2 - 1 (0.602 mi.)***	***BH479 / 52***	***2089***
BORON JUNIOR SENIOR Facility Status: Terminated	***26831 PROSPECT STREE***	***N 1/2 - 1 (0.893 mi.)***	***CF604 / 52***	***2374***
NORTH LOOP EST	***NORTH LOOP AND CONKL***	***S 1/2 - 1 (0.989 mi.)***	***627 / 20***	***2412***

WDS: Waste Discharge System

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there are 8 WDS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
SEGS III-VII KRAMER Facility Status: A Facility Id: 6B364550002	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E23 / 54	649
SEGS 3-7 BIOREMEDIAT Facility Status: A Facility Id: 6B368909005	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E24 / 54	650
ROADHOUSE RESTAURANT Facility Status: A Facility Id: 6B361130001	***HWY 395 KRAMER JUNCT***	***ENE 0 - 1/8 (0.056 mi.)***	***J128 / 54***	***1044***
DESERT LAKE CSD WTF Facility Status: A Facility Id: 6B150103001	***W OF BORON***	***E 0 - 1/8 (0.074 mi.)***	***137 / 51***	***1087***
BORON CLASS III LAND Facility Status: A Facility Id: 6B150303003 Facility Id: 6B15I013466	***5 MI SO OF BORON***	***S 0 - 1/8 (0.075 mi.)***	***L138 / 52***	***1104***
US BORAX BORON OPERA Facility Status: A Facility Id: 6B152004001 Facility Id: 6B152004002	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
BORON REST FACILITY Facility Status: A Facility Id: 6B150801002	***HWY 58 W OF BORON***	***S 1/2 - 1 (0.560 mi.)***	***453 / 51***	***2053***
BORON STP Facility Status: A Facility Id: 6B150126001	***WEST BORON***	***N 1/2 - 1 (0.861 mi.)***	***581 / 52***	***2264***

WDR: Waste Discharge Requirements Listing

A review of the WDR list, as provided by EDR, and dated 06/07/2021 has revealed that there are 5 WDR sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
ROADHOUSE RESTAURANT	***HWY 395 KRAMER JUNCT***	***ENE 0 - 1/8 (0.056 mi.)***	***J128 / 54***	***1044***
DESERT LAKE CSD WTF	***W OF BORON***	***E 0 - 1/8 (0.074 mi.)***	***137 / 51***	***1087***
CITY OF CALIFORNIA C	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY415 / 20***	***1990***
BORON REST FACILITY	***HWY 58 W OF BORON***	***S 1/2 - 1 (0.560 mi.)***	***453 / 51***	***2053***
BORON STP	***WEST BORON***	***N 1/2 - 1 (0.861 mi.)***	***581 / 52***	***2264***

EXECUTIVE SUMMARY

CIWQS: California Integrated Water Quality System

A review of the CIWQS list, as provided by EDR, and dated 05/19/2021 has revealed that there are 28 CIWQS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
NEWD WATER SYSTEM IM	13009 DAVENPORT STRE	N 0 - 1/8 (0.020 mi.)	22 / 49	649
KRAMER JUNCTION COMP	***41100 HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E25 / 54***	***651***
PILOT TRAVEL CTR 200	US 395 AND US 58	ENE 0 - 1/8 (0.028 mi.)	G103 / 54	963
PILOT TRAVEL CTR 200	US 395 & US 58	ENE 0 - 1/8 (0.028 mi.)	G104 / 54	964
CALTRANS HIGHWAY 58	***WEST OF HIGHWAY 395***	***WSW 0 - 1/8 (0.047 mi.)***	***123 / 54***	***1037***
STATEWIDE HYDROSTATI	HIGHWAY 395 AT HIGHW	SE 0 - 1/8 (0.049 mi.)	126 / 54	1042
TLRR KRAMER-HOLGATE	NORTH OF HWY 58 AT B	S 0 - 1/8 (0.053 mi.)	127 / 52	1043
ROADHOUSE RESTAURANT	***HWY 395 KRAMER JUNCT***	***ENE 0 - 1/8 (0.056 mi.)***	***J128 / 54***	***1044***
KRAMER JUNCTION EXPR		ENE 0 - 1/8 (0.073 mi.)	K135 / 54	1086
DESERT LAKE CSD WTF	***W OF BORON***	***E 0 - 1/8 (0.074 mi.)***	***137 / 51***	***1087***
BORON CLASS III LAND	***5 MI SO OF BORON***	***S 0 - 1/8 (0.075 mi.)***	***L138 / 52***	***1104***
EDWARDS SUBSTATION	***N BASE RD & ROSAMOND***	***E 0 - 1/8 (0.085 mi.)***	***149 / 48***	***1176***
BOLTHOUSE SOLAR	***9101 MENDIBURU ROAD***	***SSE 1/8 - 1/4 (0.182 mi.)***	***X199 / 20***	***1261***
PG&E 2015 GAS TRANSM	***SR 58 CLAYMINE ROAD***	***E 1/8 - 1/4 (0.222 mi.)***	***204 / 48***	***1269***
KIEWIT INFRASTRUCTUR	***5955 SALTON RD***	***ENE 1/4 - 1/2 (0.263 mi.)***	***216 / 54***	***1284***
CALIFORNIA CITY CANN	9650 DENHART AVE 112	S 1/4 - 1/2 (0.286 mi.)	AE222 / 20	1296
14486 BORAX RD	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD248 / 51	1335
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
CITY OF CALIFORNIA C	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY415 / 20***	***1990***
CALIFORNIA CITY CS	***10835 NELSON DRIVE***	***S 1/2 - 1 (0.507 mi.)***	***AY417 / 20***	***2007***
19097 PED PATH BORON	TWENTY MULE TEAM RD	N 1/2 - 1 (0.531 mi.)	420 / 52	2010
BORON REST FACILITY	***HWY 58 W OF BORON***	***S 1/2 - 1 (0.560 mi.)***	***453 / 51***	***2053***
CALIFORNIA CITY HIGH	8567 BOLDEN AVE	SW 1/2 - 1 (0.598 mi.)	477 / 20	2088
FAMILY DOLLAR BORON	***NEC GARDINER ST AND***	***N 1/2 - 1 (0.602 mi.)***	***BH479 / 52***	***2089***
EDWARDS-HOLGATE-SOUT		S 1/2 - 1 (0.814 mi.)	CA567 / 49	2235
BORON STP	***WEST BORON***	***N 1/2 - 1 (0.861 mi.)***	***581 / 52***	***2264***
BORON JUNIOR SENIOR	***26831 PROSPECT STREE***	***N 1/2 - 1 (0.893 mi.)***	***CF604 / 52***	***2374***
NORTH LOOP EST	***NORTH LOOP AND CONKL***	***S 1/2 - 1 (0.989 mi.)***	***627 / 20***	***2412***

CERS: CERS

A review of the CERS list, as provided by EDR, and dated 07/15/2021 has revealed that there are 54 CERS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
CALTRANS BEECHERS MA	***40400 JCT US 395***	***ENE 0 - 1/8 (0.018 mi.)***	***20 / 54***	***644***
KRAMER JUNCTION COMP	41100 HIGHWAY 395	ENE 0 - 1/8 (0.021 mi.)	E38 / 54	737
SEGS X	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E39 / 54	737
SEGS 3-7 THREE SURFA	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E48 / 54	743
SEGS 3-7: BIOREMEDIA	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E53 / 54	756
SEGS 3-7: THREE SURF	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E61 / 54	770
LUZ SOLAR PARTNERS I	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E78 / 54***	***796***
SCE KRAMER SUBSTATIO	***HIGHWAY 395 & HIGHWA***	***ENE 0 - 1/8 (0.028 mi.)***	***G100 / 54***	***959***
PILOT TRAVEL CENTER	***5725 HWY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D108 / 54***	***968***
ROADHOUSE RESTAURANT	***HWY 395 KRAMER JUNCT***	***ENE 0 - 1/8 (0.056 mi.)***	***J128 / 54***	***1044***
KRAMER JUNCTION EXPR		ENE 0 - 1/8 (0.073 mi.)	K136 / 54	1086
DESERT LAKE CSD WTF	***W OF BORON***	***E 0 - 1/8 (0.074 mi.)***	***137 / 51***	***1087***
BORON CLASS III LAND	***5 MI SO OF BORON***	***S 0 - 1/8 (0.075 mi.)***	***L138 / 52***	***1104***
KERN COUNTY PUBLIC W	***11400 BORON AVENUE***	***S 0 - 1/8 (0.083 mi.)***	***M142 / 52***	***1160***
EDWARDS SUBSTATION	***N BASE RD & ROSAMOND***	***E 0 - 1/8 (0.085 mi.)***	***149 / 48***	***1176***

EXECUTIVE SUMMARY

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FOUR CORNERS CHEVRON	***5852 HWY 58***	***ENE 0 - 1/8 (0.114 mi.)***	***P157 / 54***	***1182***
VERIZON WIRELESS BOR	***12088 BORAX ROAD***	***ENE 1/8 - 1/4 (0.149 mi.)***	***S174 / 51***	***1208***
CEDAR LANDMARK INC	***5121 HWY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T187 / 54***	***1221***
FOUR CORNERS ARCO AM	***5121 HIGHWAY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T188 / 54***	***1247***
KIEWIT INFRASTRUCTUR	***5955 SALTON RD***	***ENE 1/4 - 1/2 (0.263 mi.)***	***216 / 54***	***1284***
SOUTHERN CALIFORNIA	***6501 HIGHWAY 58A***	***E 1/4 - 1/2 (0.284 mi.)***	***AD220 / 51***	***1291***
CALIFORNIA CITY CANN	***9650 DENHART AVE***	***S 1/4 - 1/2 (0.286 mi.)***	***AE221 / 20***	***1294***
BORON MINE FACILITY	***14486 BORAX RD.***	***E 1/4 - 1/2 (0.287 mi.)***	***AD245 / 51***	***1330***
LAKE SHORE MOJAVE,LL	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD247 / 51	1334
US BORAX BORON OPERA	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD285 / 51***	***1572***
CHC CALIFORNIA CITY,	***20000 BUCKNELL CT***	***W 1/4 - 1/2 (0.355 mi.)***	***327 / 29***	***1749***
EDWARDS AIR FORCE BA		SE 1/4 - 1/2 (0.423 mi.)	AP347 / 48	1769
FOUR CORNERS UNOCAL	***2851 STATE HWY 58***	***N 1/4 - 1/2 (0.425 mi.)***	***AQ351 / 53***	***1793***
FOUR CORNERS CHEVRON	2852 HWY 58	N 1/4 - 1/2 (0.432 mi.)	AQ352 / 53	1804
CALIFORNIA CITY HIGH	MENDIBURU ROAD/RUSCH	WSW 1/4 - 1/2 (0.433 mi.)	AR359 / 20	1822
BNSF RAILWAY COMPANY	***12591 MUROC RD***	***W 1/4 - 1/2 (0.434 mi.)***	***AS361 / 48***	***1823***
FOUR CORNERS UNION	***6158 HWY 58 B***	***E 1/4 - 1/2 (0.471 mi.)***	***AV385 / 55***	***1848***
AT&T MOBILITY - BORO	***6158 E STATE HIGHWAY***	***E 1/4 - 1/2 (0.471 mi.)***	***AV386 / 55***	***1862***
NORTH EDWARDS WATER	***13525 FRAN ST***	***S 1/4 - 1/2 (0.473 mi.)***	***AW391 / 49***	***1866***
CALIFORNIA CITY CS	10835 NELSON	S 1/2 - 1 (0.507 mi.)	AY405 / 20	1887
CALIFORNIA CITY WAST	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY407 / 20***	***1964***
JC FENNELL & SONS GA	***27401 20 MULE TEAM R***	***N 1/2 - 1 (0.541 mi.)***	***BA429 / 53***	***2018***
JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	N 1/2 - 1 (0.549 mi.)	AZ441 / 52	2043
BORON REST FACILITY	***HWY 58 W OF BORON***	***S 1/2 - 1 (0.560 mi.)***	***453 / 51***	***2053***
FAMILY DOLLAR #31432	***26645 20 MULE TEAM R***	***N 1/2 - 1 (0.577 mi.)***	***BH465 / 52***	***2066***
GEPHART SCHOOL	***T11N R7W SECTION 19***	***N 1/2 - 1 (0.685 mi.)***	***BP501 / 52***	***2127***
FEDERAL PRISON CAMP	***HWY 395***	***WSW 1/2 - 1 (0.700 mi.)***	***510 / 36***	***2141***
SCG - KRAMER JUNCTIO	***SECTION 4 T10N R6W***	***SSE 1/2 - 1 (0.759 mi.)***	***BS521 / 54***	***2155***
CASTROL PREMIUM LUBE	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT524 / 29***	***2160***
NASA JET PROPULSION	***NORTH BASE RD, EDWAR***	***E 1/2 - 1 (0.766 mi.)***	***BV542 / 48***	***2184***
NASA JET PROPULSION	NORTH BASE RD, EDWAR	E 1/2 - 1 (0.766 mi.)	BV543 / 48	2200
KERN CO FIRE DEPT ST	***26965 COTE ST***	***N 1/2 - 1 (0.795 mi.)***	***BX554 / 52***	***2215***
EDWARDS-HOLGATE-SOUT		S 1/2 - 1 (0.814 mi.)	CA568 / 49	2236
CIRCLE K STORE #749	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
BORON STP	***WEST BORON***	***N 1/2 - 1 (0.861 mi.)***	***581 / 52***	***2264***
MUROC JOINT USD-MAIN	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD592 / 52***	***2289***
BORON HIGH SCHOOL	***26653 PROSPECT***	***N 1/2 - 1 (0.869 mi.)***	***CD600 / 52***	***2367***
BORON JUNIOR SENIOR	***26831 PROSPECT STREE***	***N 1/2 - 1 (0.893 mi.)***	***CF604 / 52***	***2374***
DENNIS AUTOMOTIVE	***10521 YALE AVE***	***W 1/2 - 1 (0.984 mi.)***	***CJ625 / 20***	***2402***

MINES MRDS: Mineral Resources Data System

A review of the MINES MRDS list, as provided by EDR, and dated 04/06/2018 has revealed that there are 12 MINES MRDS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
UNNAMED QUARRY		E 0 - 1/8 (0.039 mi.)	107 / 39	967
CALTRANS #113		E 1/8 - 1/4 (0.126 mi.)	162 / 39	1199
KOHLER		W 1/8 - 1/4 (0.244 mi.)	210 / 42	1276
RHO COLEMANITE DEPOS		ENE 1/4 - 1/2 (0.258 mi.)	213 / 54	1282
BORON PIT		ENE 1/4 - 1/2 (0.290 mi.)	305 / 36	1729
395 HILL DEPOSIT		ENE 1/4 - 1/2 (0.298 mi.)	308 / 45	1732
LEOPOLD		S 1/4 - 1/2 (0.311 mi.)	311 / 41	1734
UNNAMED SHAFT		ENE 1/2 - 1 (0.716 mi.)	513 / 27	2147

EXECUTIVE SUMMARY

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BALLING I		ESE 1/2 - 1 (0.745 mi.)	517 / 41	2151
MARSHALL BOND		S 1/2 - 1 (0.762 mi.)	541 / 41	2183
UNNAMED PROSPECT		ENE 1/2 - 1 (0.823 mi.)	569 / 8	2236
VANURAY PROSPECT		NNE 1/2 - 1 (0.995 mi.)	628 / 43	2414

HWTS: Hazardous Waste Tracking System

A review of the HWTS list, as provided by EDR, and dated 07/13/2021 has revealed that there are 101 HWTS sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
LUZ SOLAR PARTNERS L	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E32 / 54***	***675***
LUZ SOLAR PARTNERS I	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E34 / 54***	***688***
LUZ ENGINEERING CORP	***41100 HWY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E35 / 54***	***718***
LUZ SOLAR PARTNERS L	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E36 / 54***	***720***
LUZ SOLAR PARTNERS L	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E37 / 54***	***729***
LUZ ENGINEERING CORP	***41100 HWY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E40 / 54***	***738***
LUZ SOLAR PARTNERS,	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E57 / 54***	***758***
LUZ ENGINEERING CORP	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E72 / 54	780
1X LUZ ENGINEERING C	41100 HWY 395	ENE 0 - 1/8 (0.021 mi.)	E75 / 54	785
LUZ SOLAR PARTNERS I	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E78 / 54***	***796***
LUZ SOLAR PARTNERS,	***41100 US HIGHWAY 395***	***ENE 0 - 1/8 (0.021 mi.)***	***E82 / 54***	***841***
GHAZALEH MOBIL	395 & 58 HWY	ENE 0 - 1/8 (0.028 mi.)	G92 / 54	955
SOUTHERN CALIFORNIA	CORNER OF HWY 58 & H	ENE 0 - 1/8 (0.028 mi.)	G94 / 54	957
CR ENGLAND TRUCKING	***5725 HIGHWAY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D111 / 54***	***988***
PILOT LLC	***5725 HWY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D116 / 54***	***994***
PILOT TRAVEL CENTER	***5725 HIGHWAY 58***	***WSW 0 - 1/8 (0.040 mi.)***	***D117 / 54***	***996***
D&R AUTOMOTIVE	***24045 TWENTY MULE TE***	***E 0 - 1/8 (0.046 mi.)***	***H120 / 51***	***1034***
MIKE'S AUTOMOTIVE	***24045 TWENTY MULE TE***	***E 0 - 1/8 (0.046 mi.)***	***H121 / 51***	***1035***
D & R AUTOMOTIVE	24045 TWENTY MULE TE	E 0 - 1/8 (0.046 mi.)	H122 / 51	1036
GEORGE GIBSON	***24009 TWENTY MULETEA***	***E 0 - 1/8 (0.071 mi.)***	***H132 / 51***	***1081***
PILOT TRAVEL CENTER	***5823 CA-58***	***ENE 0 - 1/8 (0.079 mi.)***	***J140 / 54***	***1158***
KERN COUNTY PUBLIC W	***11400 BORON AVENUE***	***S 0 - 1/8 (0.083 mi.)***	***M142 / 52***	***1160***
MUROC USD - FORBES A	***17100 FOOTHILL DR***	***N 0 - 1/8 (0.124 mi.)***	***161 / 49***	***1198***
EXPRESS TRUCK TIRES	5875 HIGHWAY 58	ENE 1/8 - 1/4 (0.136 mi.)	P165 / 54	1201
EXPRESS TIRES	5875 HIGHWAY 58	ENE 1/8 - 1/4 (0.136 mi.)	P166 / 54	1202
KASSMA INC DBA ARCO	5121 E STATE HIGHWAY	N 1/8 - 1/4 (0.149 mi.)	T175 / 54	1211
ATHANOR ENVIRONMENTA	***5121 HIGHWAY 58***	***N 1/8 - 1/4 (0.149 mi.)***	***T177 / 54***	***1212***
CEDAR LANDMARK INC A	***5121 E STATE HIGHWAY***	***N 1/8 - 1/4 (0.149 mi.)***	***T180 / 54***	***1216***
CEDAR LANDMARK INC	5121 HWY 58	N 1/8 - 1/4 (0.149 mi.)	T181 / 54	1217
RON KOTLER	***13201 GILBERT ST***	***N 1/8 - 1/4 (0.173 mi.)***	***198 / 49***	***1260***
US DEPT HOUSING URBA	***24157 CHAPPARREL AVE***	***ENE 1/8 - 1/4 (0.206 mi.)***	***201 / 51***	***1266***
PATRICIA HARRALD	***24197 JOSHUA AVE***	***NE 1/4 - 1/2 (0.270 mi.)***	***219 / 51***	***1290***
AMES CONSTRUCTION IN	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD249 / 51	1335
CSW CONTRACTORS, INC	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD251 / 51	1338
CACHE VALLEY ELECTRI	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD252 / 51***	***1339***
EIF MOJAVE LLC	***14486 BORAX RD***	***E 1/4 - 1/2 (0.287 mi.)***	***AD273 / 51***	***1546***
MICHAEL HENDERSON	***12163 EL MIRAGE ST***	***E 1/4 - 1/2 (0.289 mi.)***	***304 / 52***	***1727***
LEWIS ROBERSON	***13336 GILBERT ST***	***N 1/4 - 1/2 (0.296 mi.)***	***306 / 49***	***1730***
WILLIAM YOUNG	16693 ALEXANDER AVE	N 1/4 - 1/2 (0.313 mi.)	AG313 / 49	1736
1X T W OWENS	***16977 MONTERY AVE***	***S 1/4 - 1/2 (0.328 mi.)***	***AI320 / 49***	***1741***
DEBORA EPHRIAM	***12489 SIERRA VIEW ST***	***E 1/4 - 1/2 (0.335 mi.)***	***AJ323 / 51***	***1745***
KERN CNTY/GENERAL SV	***26998 JOHN ST***	***N 1/4 - 1/2 (0.353 mi.)***	***326 / 52***	***1748***
BORON BIBLE CHURCH	***26904 NICHOLS ST***	***N 1/4 - 1/2 (0.405 mi.)***	***AO340 / 52***	***1762***

EXECUTIVE SUMMARY

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
VICKI MUELLNER	***16821 DESERITA AVE***	***S 1/4 - 1/2 (0.413 mi.)***	***341 / 49***	***1763***
YESENA ALFARO	***24232 JUNIPER AVE***	***NE 1/4 - 1/2 (0.421 mi.)***	***345 / 51***	***1767***
DONNA FORT	***24330 TAMARISK AVE***	***ENE 1/4 - 1/2 (0.422 mi.)***	***346 / 52***	***1768***
FOUR CORNERS UNOCAL	***2851 STATE HWY 58***	***N 1/4 - 1/2 (0.425 mi.)***	***AQ351 / 53***	***1793***
BNSF RAILWAY COMPANY	***12591 MUROC RD***	***W 1/4 - 1/2 (0.434 mi.)***	***AS361 / 48***	***1823***
AIRWAY TRANSPORT	21030 WINESAP CT	W 1/4 - 1/2 (0.444 mi.)	363 / 20	1829
FOUR CORNERS UNION	6158 HWY 58 KRAMER J	E 1/4 - 1/2 (0.471 mi.)	AV378 / 55	1842
KAREN CAILLIER	6158 HWY 58	E 1/4 - 1/2 (0.471 mi.)	AV379 / 55	1843
NANCY SWINDLEHURST	***24405 TAMARISK AVE***	***ENE 1/4 - 1/2 (0.495 mi.)***	***396 / 52***	***1874***
CALIFORNIA CITY WAST	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY407 / 20***	***1964***
CITY OF CALIFORNIA C	***10835 NELSON DR***	***S 1/2 - 1 (0.507 mi.)***	***AY415 / 20***	***1990***
1X J.C. FENNEL AND S	***27401 TWENTY MULE TE***	***N 1/2 - 1 (0.541 mi.)***	***BA423 / 53***	***2012***
ELIZABETH DYSON	***27201 20 MULE TEAM R***	***N 1/2 - 1 (0.548 mi.)***	***AZ434 / 52***	***2028***
STEVE & RANDY'S AUTO	27201 TWENTY MULE TE	N 1/2 - 1 (0.548 mi.)	AZ435 / 52	2029
ROSENDO & EYNA NAVAR	***27195 TWENTY MULE TE***	***N 1/2 - 1 (0.549 mi.)***	***AZ436 / 52***	***2030***
JIMMY'S LUBE AND DET	***27195 TWENTY MULE TE***	***N 1/2 - 1 (0.549 mi.)***	***AZ437 / 52***	***2031***
TEXACO REFINING AND	27195 TWENTY MULE TE	N 1/2 - 1 (0.549 mi.)	AZ445 / 52	2045
BORON SERVICE STATIO	27195 20 MULE TEAM R	N 1/2 - 1 (0.549 mi.)	AZ446 / 52	2045
BORON SERVICE STATIO	27195 20 MULE TEAM R	N 1/2 - 1 (0.549 mi.)	AZ447 / 52	2046
D J AUTO REPAIR	27127 20 MULE TEAM R	N 1/2 - 1 (0.551 mi.)	BC449 / 52	2049
MICHAEL & DIANA VERO	***27457 TWENTY MULE TE***	***N 1/2 - 1 (0.569 mi.)***	***457 / 53***	***2060***
G&J HEAVY HAUL INC.	2564 CA-58	N 1/2 - 1 (0.570 mi.)	BF461 / 53	2064
FAMILY DOLLAR INC #1	***26645 TWENTY MULE TE***	***N 1/2 - 1 (0.577 mi.)***	***BH466 / 52***	***2072***
BORON AUTO BODY	26049 20 MULETEAM RD	N 1/2 - 1 (0.623 mi.)	BM484 / 52	2097
PRINCIPAL RESIDENTIA	***27011 NUDGENT ST***	***N 1/2 - 1 (0.642 mi.)***	***490 / 52***	***2100***
ALFREDO FLORES	***9781 MARGERY AVE***	***S 1/2 - 1 (0.675 mi.)***	***495 / 20***	***2121***
VERIZON CALIFORNIA I	***12156 ROBERTS AVE***	***N 1/2 - 1 (0.678 mi.)***	***BO499 / 52***	***2124***
1X DEBORD CEPTIC SVC	***27044 ANDERSON STREE***	***N 1/2 - 1 (0.693 mi.)***	***BQ504 / 52***	***2130***
DODDERER THIRD PARTY	***26960 ANDERSON ST***	***N 1/2 - 1 (0.700 mi.)***	***BR509 / 52***	***2136***
EAST KERN HEALTH CAR	***9300 NORTH LOOP BLVD***	***SSE 1/2 - 1 (0.711 mi.)***	***511 / 20***	***2144***
IRAJ FAJIMIAN	***10755 JEREMY DR***	***W 1/2 - 1 (0.712 mi.)***	***512 / 20***	***2145***
JANET EYRE	***27163 ANDERSON ST***	***N 1/2 - 1 (0.726 mi.)***	***514 / 52***	***2148***
JASON MARKIEWITZ	***9849 KAREN AVE***	***S 1/2 - 1 (0.734 mi.)***	***515 / 20***	***2149***
ANDY BARTOSOVKY	***10733 JEREMY CT***	***W 1/2 - 1 (0.755 mi.)***	***520 / 20***	***2154***
TEXACO EXPRESS LUBE	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT523 / 29***	***2157***
CASTROL PREMIUM LUBE	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT524 / 29***	***2160***
TEXACO EXPRESS LUBE	***20400 CALIFORNIA CIT***	***W 1/2 - 1 (0.762 mi.)***	***BT527 / 29***	***2173***
NASA JET PROPULSION	***NORTH BASE RD, EDWAR***	***E 1/2 - 1 (0.766 mi.)***	***BV542 / 48***	***2184***
HENRY DELGADO	***27132 COTE ST***	***N 1/2 - 1 (0.771 mi.)***	***545 / 52***	***2207***
KERN COUNTY FIRE DEP	26965 COTE ST	N 1/2 - 1 (0.795 mi.)	BX552 / 52	2214
1X KERN COUNTY FIRE	***26965 COTE STREET***	***N 1/2 - 1 (0.795 mi.)***	***BX556 / 52***	***2222***
COUNTY OF KERN	***26965 COTE ST***	***N 1/2 - 1 (0.795 mi.)***	***BX558 / 52***	***2225***
ROSS E SWINDELHURST	12313 BORON AVE	N 1/2 - 1 (0.809 mi.)	BY564 / 52	2233
MILLER, WILLIAM AND	***27144 JEROME STREET***	***N 1/2 - 1 (0.836 mi.)***	***570 / 52***	***2237***
CIRCLE K STORE #749	***12366 BORON AVE***	***N 1/2 - 1 (0.858 mi.)***	***CB577 / 52***	***2246***
BETTY MILLER	27095 JEROME STREET	N 1/2 - 1 (0.861 mi.)	CC580 / 52	2264
MJUSD-MUROC JOINT UN	***26653 PROSPECT***	***N 1/2 - 1 (0.869 mi.)***	***CD585 / 52***	***2279***
MUROC JOINT USD-MAIN	***26653 PROSPECT ST***	***N 1/2 - 1 (0.869 mi.)***	***CD592 / 52***	***2289***
1X MUROC JOINT U S D	***26653 PROSPECT***	***N 1/2 - 1 (0.869 mi.)***	***CD593 / 52***	***2362***
ROCHELL BURTON	10661 APPLEWOOD DR	W 1/2 - 1 (0.869 mi.)	CE601 / 20	2370
BORON JUNIOR SENIOR	***26831 PROSPECT STREE***	***N 1/2 - 1 (0.893 mi.)***	***CF604 / 52***	***2374***
1X BORON HIGH SCHOOL	***26831 PROSPECT ST***	***N 1/2 - 1 (0.893 mi.)***	***CF605 / 52***	***2382***
BORON JR SR HIGH SCH	***26831 PROSPECT ST***	***N 1/2 - 1 (0.893 mi.)***	***CF607 / 52***	***2385***
BORON HIGH SCHOOL	***26831 PROSPECT ST***	***N 1/2 - 1 (0.893 mi.)***	***CF608 / 52***	***2386***
JIMSON	***8436 JIMSON AVE***	***SW 1/2 - 1 (0.908 mi.)***	***611 / 19***	***2390***
JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	W 1/2 - 1 (0.960 mi.)	CI614 / 20	2392

EXECUTIVE SUMMARY

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
ARMANDO PLIEGO	***20917 CALIFORNIA CIT***	***W 1/2 - 1 (0.960 mi.)***	***CI616 / 20***	***2395***
DENNIS AUTOMOTIVE &	10521 YALE AVE	W 1/2 - 1 (0.984 mi.)	CJ624 / 20	2401

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR Exclusive Historical Auto Stations

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 12 EDR Hist Auto sites within approximately 1.125 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
KRAMER SERVICES CORP	40808 W US HIGHWAY 3	ENE 0 - 1/8 (0.014 mi.)	16 / 54	638
PILOT TRAVEL CENTERS	5725 E STATE HIGHWAY	WSW 0 - 1/8 (0.026 mi.)	D90 / 54	955
G & M MOBIL SERVICE	HWY 58 & HWY 395	ENE 0 - 1/8 (0.028 mi.)	G96 / 54	957
KRAMER SERVICES CORP	HWY 395 & HWY 58	ENE 0 - 1/8 (0.028 mi.)	G98 / 54	958
PILOT TRAVEL CENTERS	5725 HIGHWAY 58	WSW 0 - 1/8 (0.040 mi.)	D113 / 54	993
ROCKET SITE MINI-MAR	24009 TWENTY MULE TE	E 0 - 1/8 (0.071 mi.)	H131 / 51	1081
FOUR CORNER ARCO AM	5121 HGWY 58	N 1/8 - 1/4 (0.149 mi.)	T176 / 54	1212
FOUR CORNER ARCO AM	5121 E STATE HIGHWAY	N 1/8 - 1/4 (0.149 mi.)	T189 / 54	1253
WAY STATION MINI MAR	6158 E STATE HIGHWAY	E 1/4 - 1/2 (0.471 mi.)	AV384 / 55	1848
FOUR CORNERS UNION S	6158B HWY 58	E 1/4 - 1/2 (0.473 mi.)	AV392 / 55	1872
BORON SERVICE STATIO	27195 20 MULETEAM RD	N 1/2 - 1 (0.549 mi.)	AZ444 / 52	2044
KRAMER SERVICES CORP	12580 SUGAR ST	N 1 - 2 (1.078 mi.)	631 / 52	2420

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

A review of the RGA LF list, as provided by EDR, has revealed that there are 3 RGA LF sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
BORON SANITARY LANDF Facility ID: 15-AA-0045	11400 BORON AVENUE	S 0 - 1/8 (0.083 mi.)	M145 / 52	1171
U.S. BORAX INC-GANGU Facility ID: 15-AA-0278	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD238 / 51	1322
U.S. BORAX INC/GANGU	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD240 / 51	1324

EXECUTIVE SUMMARY

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

A review of the RGA LUST list, as provided by EDR, has revealed that there are 20 RGA LUST sites within approximately1 mile of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
FOUR CORNERS UNION	HWY. 395 AND HWY. 58	ENE 0 - 1/8 (0.028 mi.)	G91 / 54	955
FOUR CORNERS UNOCAL	HWY 395 & HWY 58	ENE 0 - 1/8 (0.028 mi.)	G101 / 54	962
FOUR CORNERS UNOCAL	HWY 395 & HWY 58	ENE 0 - 1/8 (0.028 mi.)	G105 / 54	964
FOUR CORNERS CHEVRON	5852 HWY 58	ENE 0 - 1/8 (0.114 mi.)	P158 / 54	1197
U. S. BORAX PLANT	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD223 / 51	1297
US BORAX PLANT	14486 BORAX ROAD	E 1/4 - 1/2 (0.287 mi.)	AD239 / 51	1323
U. S. BORAX & CHEMIC	14486 BORAX RD	E 1/4 - 1/2 (0.287 mi.)	AD274 / 51	1554
FOUR CORNERS UNOCAL	2851 STATE HWY 58	N 1/4 - 1/2 (0.425 mi.)	AQ350 / 53	1792
FOUR CORNERS CHEVRON	2852 HWY 58	N 1/4 - 1/2 (0.432 mi.)	AQ353 / 53	1805
JC FENNEL & SONS	27401 20 MULE TEAM R	N 1/2 - 1 (0.541 mi.)	BA427 / 53	2016
J.C. FENNEL & SONS	27401 20 MULE TEAM R	N 1/2 - 1 (0.541 mi.)	BA430 / 53	2026
JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	N 1/2 - 1 (0.549 mi.)	AZ438 / 52	2033
JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	N 1/2 - 1 (0.549 mi.)	AZ440 / 52	2042
KERN COUNTY FIRE STA	26965 COTE ST	N 1/2 - 1 (0.795 mi.)	BX557 / 52	2224
CIRCLE K STORE #749	12366 BORON AVE	N 1/2 - 1 (0.858 mi.)	CB573 / 52	2241
CIRCLE K #749	12366 BORON AVE	N 1/2 - 1 (0.858 mi.)	CB574 / 52	2241
MUROC SCHOOL DIST MA	26653 PROSPECT ST	N 1/2 - 1 (0.869 mi.)	CD594 / 52	2363
BORON MAINTENANCE FA	26653 PROSPECT RD	N 1/2 - 1 (0.869 mi.)	CD595 / 52	2363
BORON MAINTENANCE FA	26653 PROSPECT AVENU	N 1/2 - 1 (0.869 mi.)	CD596 / 52	2364
BORON MAINTENANCE	26653 PROSPECT AVENU	N 1/2 - 1 (0.869 mi.)	CD599 / 52	2366

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
Reg / **********	EDWARDS AIR FORCE BA	AFFTC EDWARDS AFB	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG...	TP		
Reg / **********	EDWARDS AIR FORCE BA		DOD	TP		
A1 / 49	NORTH EDWARDS WD		ECHO	TP		
A2 / 49	EDWARDS AIR FORCE BA		FINDS	TP		
B3 / 54	SEGS III-VII	41100 HIGHWAY 395	UST	TP		
B4 / 54	SEGS III-VII	41100 HWY 395	AST	TP		
C5 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	HAZNET, HWTS	TP		
C6 / 54	KRAMER SERVICES	40716 HIGHWAY 395	RCRA NonGen / NLR	TP		
C7 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	RCRA NonGen / NLR	TP		
C8 / 54	KRAMER SERVICES	40716 HIGHWAY 395	FINDS, ECHO	TP		
C9 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	RCRA NonGen / NLR	TP		
C10 / 54	GRANITE CONSTRUCTION	40716 US HIGHWAY 395	HAZNET, HWTS	TP		
C11 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	FINDS, ECHO	TP		
C12 / 54	KRAMER SERVICES	40716 HIGHWAY 395	HWTS	TP		
C13 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	HWTS	TP		
14 / 30		CALIFORNIA CITY BLVD	CHMIRS	67	0.013	SW
D15 / 54	BEECHERS CORNER	JCT HWYS 58 & 395	SWEEPS UST, CA FID UST	71	0.013	WSW
16 / 54	KRAMER SERVICES CORP	40808 W US HIGHWAY 3	EDR Hist Auto	75	0.014	ENE
D17 / 54	UNICOR FEDERAL PRISO	HWY 395 SIX MILES NO	RCRA NonGen / NLR	80	0.015	WSW
D18 / 54		BLOUGNT INTERNATIONA	ERNS	82	0.016	WSW
D19 / 54		BLOUNT INTL/HWY 58X	ERNS	82	0.016	WSW
20 / 54	CALTRANS BEECHERS MA	40400 JCT US 395	SWF/LF, CERS	94	0.018	ENE
D21 / 54	BOB'S CHEVRON	SR395/HWY 58 KMR JCT	SWEEPS UST, CA FID UST	99	0.019	WSW
22 / 49	NEWD WATER SYSTEM IM	13009 DAVENPORT STRE	CIWQS	103	0.020	North
E23 / 54	SEGS III-VII KRAMER	41100 HWY 395	WDS	112	0.021	ENE
E24 / 54	SEGS 3-7 BIOREMEDIAT	41100 HWY 395	WDS	112	0.021	ENE
E25 / 54	KRAMER JUNCTION COMP	41100 HIGHWAY 395	LDS, EMI, ENF, San Bern. Co. Permit, CIW...	112	0.021	ENE
E26 / 54		41100 HY 395	ERNS	112	0.021	ENE
E27 / 54	SEGS X HARPER LAKE	41100 HWY 395	WMUDS/SWAT	112	0.021	ENE
E28 / 54	SEGS III-VII KRAMER	41100 HWY 395	WMUDS/SWAT	112	0.021	ENE
E29 / 54	SEGS 3-7 BIOREMEDIAT	41100 HWY 395	WMUDS/SWAT	112	0.021	ENE
E30 / 54	SEGS III-VII	41100 US HIGHWAY 395	FINDS	112	0.021	ENE
E31 / 54		41100 HWY 395	CHMIRS	112	0.021	ENE
E32 / 54	LUZ SOLAR PARTNERS L	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E33 / 54		41100 HIGHWAY 395, N	CHMIRS	112	0.021	ENE
E34 / 54	LUZ SOLAR PARTNERS I	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E35 / 54	LUZ ENGINEERING CORP	41100 HWY 395	HAZNET, HWTS	112	0.021	ENE
E36 / 54	LUZ SOLAR PARTNERS L	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E37 / 54	LUZ SOLAR PARTNERS L	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
E38 / 54	KRAMER JUNCTION COMP	41100 HIGHWAY 395	CERS	112	0.021	ENE
E39 / 54	SEGS X	41100 HWY 395	CERS	112	0.021	ENE
E40 / 54	LUZ ENGINEERING CORP	41100 HWY 395	HAZNET, HWTS	112	0.021	ENE
E41 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E42 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E43 / 54		41100 HWY 395	CHMIRS	112	0.021	ENE
E44 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E45 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E46 / 54	SEGS III-VII	41100 US HIGHWAY 395	AST	112	0.021	ENE
E47 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E48 / 54	SEGS 3-7 THREE SURFA	41100 HWY 395	CERS	112	0.021	ENE
E49 / 54		41100 HIGHWAY 395	CHMIRS	112	0.021	ENE
E50 / 54		41100 HIGHWAY 395	CHMIRS	112	0.021	ENE
E51 / 54		41100 HWY 395 CLOSES	CHMIRS	112	0.021	ENE
E52 / 54	LUZ SOLAR PARTNERS I	41100 HIGHWAY 395	RCRA-LQG, FINDS, ECHO	112	0.021	ENE
E53 / 54	SEGS 3-7: BIOREMEDIA	41100 HWY 395	CERS	112	0.021	ENE
E54 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E55 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E56 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E57 / 54	LUZ SOLAR PARTNERS,	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E58 / 54	KRAMER JUNCTION COMP	41100 HIGHWAY 395	FINDS, ECHO	112	0.021	ENE
E59 / 54	LUZ SOLAR PARTNERS V	41100 HWY 395	ICIS	112	0.021	ENE
E60 / 54		41100 HIGHWAY 395, N	CHMIRS	112	0.021	ENE
E61 / 54	SEGS 3-7: THREE SURF	41100 HWY 395	CERS	112	0.021	ENE
E62 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E63 / 54		41100 HIGHWAY 395	CHMIRS	112	0.021	ENE
E64 / 54		41100 HWY. 395 CRAME	CHMIRS	112	0.021	ENE
E65 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E66 / 54		41100 HWY. 395, NEAR	CHMIRS	112	0.021	ENE
E67 / 54		41100 HWY 395	CHMIRS	112	0.021	ENE
E68 / 54		41100 HWY 395	CHMIRS	112	0.021	ENE
E69 / 54		41100 HWY. 395, NEAR	CHMIRS	112	0.021	ENE
E70 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E71 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E72 / 54	LUZ ENGINEERING CORP	41100 HWY 395	HWTS	112	0.021	ENE
E73 / 54		41100 HIGHWAY 395, B	CHMIRS	112	0.021	ENE
E74 / 54	LUZ SOLAR PARTNERS I	41100 HIGHWAY 395	EMI	112	0.021	ENE
E75 / 54	1X LUZ ENGINEERING C	41100 HWY 395	HWTS	112	0.021	ENE
E76 / 54	LUZ ENGINEERING CORP	41100 HWY 395	RCRA-SQG	112	0.021	ENE

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
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MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
E77 / 54	LUZ SOLAR PARTNERS I	41100 US HIGHWAY 395	RCRA-LQG	112	0.021	ENE
E78 / 54	LUZ SOLAR PARTNERS I	41100 US HIGHWAY 395	CERS HAZ WASTE, CERS TANKS, HAZNET, San ...	112	0.021	ENE
E79 / 54	LUZ SOLAR PARTNERS I	41100 HIGHWAY 395	FINDS, ECHO	112	0.021	ENE
E80 / 54	SEGS (III THROUGH VI	41100 HIGHWAY 395	EMI	112	0.021	ENE
E81 / 54		41100 HWY. 395	CHMIRS	112	0.021	ENE
E82 / 54	LUZ SOLAR PARTNERS,	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E83 / 54	FLP FLORIDA LIGHT &	41100 HWY 395	ICIS, US AIRS	112	0.021	ENE
E84 / 54	LUZ ENGINEERING CORP	41100 HWY 395	RCRA-SQG	112	0.021	ENE
85 / 42	RIO TINTO - BORON BA	14776 GEPHART RD	CUPA Listings	117	0.022	NNE
D86 / 54	FEDERAL PRISON CAMP	HWY 395	LUST, HIST UST, Cortese, HIST CORTESE	121	0.023	WSW
87 / 49	OFF BASE ADACENT ARE		UXO	123	0.023	South
F88 / 54	FOUR CORNERS SERVICE	40808 STATE HIGHWAY	UST	123	0.023	ENE
F89 / 54	FOUR CORNERS SERVICE	40808 HWY 395	San Bern. Co. Permit	123	0.023	ENE
D90 / 54	PILOT TRAVEL CENTERS	5725 E STATE HIGHWAY	EDR Hist Auto	135	0.026	WSW
G91 / 54	FOUR CORNERS UNION	HWY. 395 AND HWY. 58	RGA LUST	147	0.028	ENE
G92 / 54	GHAZALEH MOBIL	395 & 58 HWY	HWTS	147	0.028	ENE
G93 / 54	CAL TRANS DIST 8/NOR	HIGHWAYS 58 & 395	SWEEPS UST	147	0.028	ENE
G94 / 54	SOUTHERN CALIFORNIA	CORNER OF HWY 58 & H	HWTS	147	0.028	ENE
G95 / 54	WAYSTATION UNOCAL 76	HIGHWAY 58 AND 395	FINDS	147	0.028	ENE
G96 / 54	G & M MOBIL SERVICE	HWY 58 & HWY 395	EDR Hist Auto	147	0.028	ENE
G97 / 54	FOUR CORNERS UNOCAL	HWY 395 & HWY 58	HIST CORTESE	147	0.028	ENE
G98 / 54	KRAMER SERVICES CORP	HWY 395 & HWY 58	EDR Hist Auto	147	0.028	ENE
G99 / 54		HWY 395 AND HWY 58	ERNS	147	0.028	ENE
G100 / 54	SCE KRAMER SUBSTATIO	HIGHWAY 395 & HIGHWA	San Bern. Co. Permit, CERS	147	0.028	ENE
G101 / 54	FOUR CORNERS UNOCAL	HWY 395 & HWY 58	RGA LUST	147	0.028	ENE
G102 / 54	KIEWIT INFRASTRUCTUR	STATE ROUTE 58 & HIG	EMI	147	0.028	ENE
G103 / 54	PILOT TRAVEL CTR 200	US 395 AND US 58	CIWQS	147	0.028	ENE
G104 / 54	PILOT TRAVEL CTR 200	US 395 & US 58	CIWQS	147	0.028	ENE
G105 / 54	FOUR CORNERS UNOCAL	HWY 395 & HWY 58	RGA LUST	147	0.028	ENE
G106 / 54	WAYSTATION UNOCAL 76	HIGHWAY 58 AND 395	EMI	147	0.028	ENE
107 / 39	UNNAMED QUARRY		MINES MRDS	208	0.039	East
D108 / 54	PILOT TRAVEL CENTER	5725 HWY 58	CERS HAZ WASTE, CERS TANKS, EMI, San Ber...	209	0.040	WSW
D109 / 54		5725 HWY 58	CHMIRS	209	0.040	WSW
D110 / 54		5725 HIGHWAY 58	CHMIRS	209	0.040	WSW
D111 / 54	CR ENGLAND TRUCKING	5725 HIGHWAY 58	CHMIRS, HAZNET, HWTS	209	0.040	WSW
D112 / 54	PILOT TRAVEL CENTER	5725 HIGHWAY 58	RCRA NonGen / NLR	209	0.040	WSW
D113 / 54	PILOT TRAVEL CENTERS	5725 HIGHWAY 58	EDR Hist Auto	209	0.040	WSW
D114 / 54	PILOT TRAVEL CENTER	5725 HIGHWAY 58	FINDS, ECHO	209	0.040	WSW
D115 / 54	PILOT TRAVEL CENTER	5725 HWY 58	FINDS	209	0.040	WSW

MAPPED SITES SUMMARY

Target Property:
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MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
D116 / 54	PILOT LLC	5725 HWY 58	HAZNET, HWTS	209	0.040	WSW
D117 / 54	PILOT TRAVEL CENTER	5725 HIGHWAY 58	HAZNET, HWTS	209	0.040	WSW
D118 / 54		5725 HWY 58	CHMIRS	209	0.040	WSW
D119 / 54	PILOT TRAVEL CENTER	5725 HWY 58	UST	209	0.040	WSW
H120 / 51	D&R AUTOMOTIVE	24045 TWENTY MULE TE	CUPA Listings, HWTS	241	0.046	East
H121 / 51	MIKE'S AUTOMOTIVE	24045 TWENTY MULE TE	HAZNET, HWTS	241	0.046	East
H122 / 51	D & R AUTOMOTIVE	24045 TWENTY MULE TE	HWTS	241	0.046	East
123 / 54	CALTRANS HIGHWAY 58	WEST OF HIGHWAY 395	NPDES, CIWQS	246	0.047	WSW
I124 / 49	PRIVATE RESIDENCE	13043 LAMEL ST	UST	248	0.047	North
I125 / 49	HOME FESIDENCE	13043 LAMEL STREET	HIST UST	248	0.047	North
126 / 54	STATEWIDE HYDROSTATI	HIGHWAY 395 AT HIGHW	CIWQS	258	0.049	SE
127 / 52	TLRR KRAMER-HOLGATE	NORTH OF HWY 58 AT B	CIWQS	278	0.053	South
J128 / 54	ROADHOUSE RESTAURANT	HWY 395 KRAMER JUNCT	ENF, WDS, WDR, CIWQS, CERS	296	0.056	ENE
129 / 48	EDWARDS AIR FORCE BA		MCS	359	0.068	SE
H130 / 51	ROCKET SITE MINI MAR	24009 20 MULE TEAM R	HIST UST	375	0.071	East
H131 / 51	ROCKET SITE MINI-MAR	24009 TWENTY MULE TE	EDR Hist Auto	375	0.071	East
H132 / 51	GEORGE GIBSON	24009 TWENTY MULETEA	HAZNET, HWTS	375	0.071	East
H133 / 51	ROCKET SITE MINI MAR	24009 TWENTY MULE TE	UST	375	0.071	East
H134 / 51	ROCKET SITE MINI MAR	24009 20 MULE TEAM R	SWEEPS UST, HIST UST, CA FID UST	375	0.071	East
K135 / 54	KRAMER JUNCTION EXPR		CIWQS	384	0.073	ENE
K136 / 54	KRAMER JUNCTION EXPR		CERS	384	0.073	ENE
137 / 51	DESERT LAKE CSD WTF	W OF BORON	ENF, WDS, WDR, CIWQS, CERS	393	0.074	East
L138 / 52	BORON CLASS III LAND	5 MI SO OF BORON	WMUDS/SWAT, LDS, ENF, WDS, CIWQS, CERS	396	0.075	South
L139 / 52	BORON CLASS III LAND	5 MI SO OF BORON	PFAS	396	0.075	South
J140 / 54	PILOT TRAVEL CENTER	5823 CA-58	HAZNET, HWTS	419	0.079	ENE
M141 / 52	KCWMD - BORON LANDFI	11400 BORON AVE	FINDS	438	0.083	South
M142 / 52	KERN COUNTY PUBLIC W	11400 BORON AVENUE	SWF/LF, CERS HAZ WASTE, CUPA Listings, F...	438	0.083	South
M143 / 52	BORON SANITARY LANDF	11400 BORON AVENUE	FINDS	438	0.083	South
M144 / 52	KERN COUNTY WASTE MA	11400 BORON AVENUE	FINDS	438	0.083	South
M145 / 52	BORON SANITARY LANDF	11400 BORON AVENUE	RGA LF	438	0.083	South
M146 / 52	BORON SANITARY LANDF	11400 BORON AVENUE	ECHO	438	0.083	South
M147 / 52	BORON SANITARY LANDF	11400 BORON AVENUE	RCRA NonGen / NLR	438	0.083	South
M148 / 52	KERN COUNTY WASTE MA	11400 BORON AVENUE	EMI	438	0.083	South
149 / 48	EDWARDS SUBSTATION	N BASE RD & ROSAMOND	NPDES, CIWQS, CERS	448	0.085	East
N150 / 49	HOME RESIDENTSS	13100 LAMEL	HIST UST	471	0.089	North
N151 / 49	PRIVATE RESIDENCE	13100 LAMEL	UST	471	0.089	North
O152 / 54	CALTRANS - BEECHERS	40400 HWY 395	EMI	524	0.099	SSE
O153 / 54	CALTRANS - BEECHERS	40400 STATE HWY 395	EMI	524	0.099	SSE
154 / 51	EDWARDS AIR FORCE BA		MCS	588	0.111	South

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MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
P155 / 54	FOUR CORNERS CHEVRON	5852 HWY 58	UST	604	0.114	ENE
P156 / 54	FOUR CORNERS CHEVRON	5852 HWY 58	FINDS	604	0.114	ENE
P157 / 54	FOUR CORNERS CHEVRON	5852 HWY 58	CERS HAZ WASTE, CERS TANKS, CERS	604	0.114	ENE
P158 / 54	FOUR CORNERS CHEVRON	5852 HWY 58	RGA LUST	604	0.114	ENE
Q159 / 52	OFF BASE ADJACENT AR		UXO	604	0.114	South
Q160 / 52	OFF BASE ADJACENT AR		UXO	604	0.114	South
161 / 49	MUROC USD - FORBES A	17100 FOOTHILL DR	HAZNET, HWTS	653	0.124	North
162 / 39	CALTRANS #113		MINES MRDS	663	0.126	East
R163 / 49	MUROC JOINT UNIFIED	FOOTHILL & GRANADA S	HIST FTTS	684	0.130	North
R164 / 49	MUROC JOINT UNIFIED	FOOTHILL & GRANADA S	FTTS	684	0.130	North
P165 / 54	EXPRESS TRUCK TIRES	5875 HIGHWAY 58	HWTS	718	0.136	ENE
P166 / 54	EXPRESS TIRES	5875 HIGHWAY 58	HWTS	718	0.136	ENE
P167 / 54	EXPRESS TIRES	5875 HIGHWAY 58	ECHO	718	0.136	ENE
P168 / 54	EXPRESS TIRES	5875 HIGHWAY 58	RCRA NonGen / NLR	718	0.136	ENE
R169 / 49	FRONTIER CALIFORNIA	13150 GRANADA STREET	CUPA Listings, EMI	738	0.140	North
R170 / 49	FRONTIER CALIFORNIA	13150 GRANADA STREET	FINDS	738	0.140	North
R171 / 49	VERIZON CALIFORNIA:	13150 GRANADA ST	FINDS	738	0.140	North
172 / 54		CEDAR LANDMARK INC -	CHMIRS	774	0.147	North
S173 / 51	VERIZON WIRELESS BOR	12088 BORAX ROAD	FINDS	788	0.149	ENE
S174 / 51	VERIZON WIRELESS BOR	12088 BORAX ROAD	CUPA Listings, CERS	788	0.149	ENE
T175 / 54	KASSMA INC DBA ARCO	5121 E STATE HIGHWAY	HWTS	788	0.149	North
T176 / 54	FOUR CORNER ARCO AM	5121 HGWY 58	EDR Hist Auto	788	0.149	North
T177 / 54	ATHANOR ENVIRONMENTA	5121 HIGHWAY 58	HAZNET, HWTS	788	0.149	North
T178 / 54	FOUR CORNERS ARCO AM	5121 HWY 58	UST	788	0.149	North
T179 / 54	CEDAR LANDMARK INC A	5121 E STATE HIGHWAY	RCRA NonGen / NLR	788	0.149	North
T180 / 54	CEDAR LANDMARK INC A	5121 E STATE HIGHWAY	HAZNET, HWTS	788	0.149	North
T181 / 54	CEDAR LANDMARK INC	5121 HWY 58	HWTS	788	0.149	North
T182 / 54	CEDAR LANDMARK INC A	5121 E STATE HIGHWAY	FINDS, ECHO	788	0.149	North
T183 / 54	KASSMA INC. ARCO AM/	5121 HWY 58	FINDS	788	0.149	North
T184 / 54	FOUR CORNERS ARCO AM	5121 HIGHWAY 58	FINDS	788	0.149	North
T185 / 54		5121 HWY 58	CHMIRS	788	0.149	North
T186 / 54	CEDAR LANDMARK INC	5121 HWY 58	UST	788	0.149	North
T187 / 54	CEDAR LANDMARK INC	5121 HWY 58	CERS HAZ WASTE, CERS TANKS, San Bern. Co...	788	0.149	North
T188 / 54	FOUR CORNERS ARCO AM	5121 HIGHWAY 58	LUST, Cortese, EMI, CERS	788	0.149	North
T189 / 54	FOUR CORNER ARCO AM	5121 E STATE HIGHWAY	EDR Hist Auto	788	0.149	North
T190 / 54		5121 HWY 58, ARCO AM	CHMIRS	788	0.149	North
U191 / 49	PRIVATE RESIDENCE	16634 BELLAIRE	UST	881	0.167	North
U192 / 49	HAROLD W JOLLIFF	16634 BELAIRE AVE	HIST UST	881	0.167	North
U193 / 49	HAROLD W JOLLIFF	16634 BELLAIRE AVE	SWEEPS UST, HIST UST	881	0.167	North

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MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
V194 / 49	STERN WILLARD	16748 BELLAIRE	HIST UST	888 0.168 North
V195 / 49	PRIVATE RESIDENCE	16748 BELLAIRE	UST	888 0.168 North
W196 / 40	WARREN J MEADER	16827 MOUNTAIN VIEW	SWEEPS UST, HIST UST	891 0.169 South
W197 / 40	PRIVATE RESIDENCE	16827 MOUNTAIN VIEW	UST	891 0.169 South
198 / 49	RON KOTLER	13201 GILBERT ST	HAZNET, HWTS	913 0.173 North
X199 / 20	BOLTHOUSE SOLAR	9101 MENDIBURU ROAD	NPDES, CIWQS	961 0.182 SSE
X200 / 20	CALCITY SOLAR 1	9101 MENDIBURU ROAD	FINDS	961 0.182 SSE
201 / 51	US DEPT HOUSING URBA	24157 CHAPPARREL AVE	HAZNET, HWTS	1089 0.206 ENE
Y202 / 54	KRAMER POTASH PLANT		FUDS	1101 0.209 ENE
Y203 / 54	KRAMER POTASH PLANT		ENVIROSTOR	1127 0.213 ENE
204 / 48	PG&E 2015 GAS TRANSM	SR 58 CLAYMINE ROAD	NPDES, CIWQS	1170 0.222 East
Z205 / 40	HILLMANN'S HARDWARE	13700 GULF ST	UST	1198 0.227 South
Z206 / 40	HILLMANN HARDWARE	13700 GUL ST	SWEEPS UST, HIST UST	1198 0.227 South
207 / 48	EDWARDS AIR FORCE BA		MCS	1224 0.232 East
AA208 / 51	US BORAX AND CHEMICA	HIGHWAY 58	ENVIROSTOR	1278 0.242 East
AA209 / 51	US BORAX, 6 NEW POND	AND PONDS 4-6 / BORA	Toxic Pits	1278 0.242 East
210 / 42	KOHLER		MINES MRDS	1286 0.244 West
211 / 51	MOJAVE COGENERATION	BORAX RD 3/4 MI N OF	RCRA-SQG	1356 0.257 North
212 / 49	HOLLAND PROPERTY	16726 ALEXANDER AVE	UST	1360 0.258 North
213 / 54	RHO COLEMANITE DEPOS		MINES MRDS	1364 0.258 ENE
AB214 / 49	PRIVATE RESIDENCE	13319 LAMEL	UST	1388 0.263 North
AB215 / 49	WAYNE WALTER	13319 LAMEL	SWEEPS UST, HIST UST	1388 0.263 North
216 / 54	KIEWIT INFRASTRUCTUR	5955 SALTON RD	NPDES, San Bern. Co. Permit, CIWQS, CERS	1391 0.263 ENE
AC217 / 49	PISTOL RANGE		UXO	1413 0.268 South
AC218 / 49	NORTH BASE ORDNANCE		UXO	1413 0.268 South
219 / 51	PATRICIA HARRALD	24197 JOSHUA AVE	HAZNET, HWTS	1424 0.270 NE
AD220 / 51	SOUTHERN CALIFORNIA	6501 HIGHWAY 58A	CERS HAZ WASTE, San Bern. Co. Permit, CE...	1497 0.284 East
AE221 / 20	CALIFORNIA CITY CANN	9650 DENHART AVE	NPDES, CERS	1512 0.286 South
AE222 / 20	CALIFORNIA CITY CANN	9650 DENHART AVE 112	CIWQS	1512 0.286 South
AD223 / 51	U. S. BORAX PLANT	14486 BORAX RD	RGA LUST	1513 0.287 East
AD224 / 51		14486 BORAX ROAD	ERNS	1513 0.287 East
AD225 / 51		14486 BORAX RD	ERNS	1513 0.287 East
AD226 / 51	CHS INDUSTRIAL	14486 BORAX ROAD	EMI	1513 0.287 East
AD227 / 51		14486 BORAX RD.	CHMIRS	1513 0.287 East
AD228 / 51	MOJAVE COGENERATION	14486 BORAX RD	HAZNET	1513 0.287 East
AD229 / 51	CHS INDUSTRIAL	14486 BORAX ROAD	EMI	1513 0.287 East
AD230 / 51		14486 BORAX ROAD	ERNS	1513 0.287 East
AD231 / 51		14486 BORAX ROAD	ERNS	1513 0.287 East
AD232 / 51		14486 BORAX ROAD	ERNS	1513 0.287 East

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Target Property:
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MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
AD233 / 51	RIO TINTO MINE	14486 BORAX RD	ABANDONED MINES	1513	0.287	East
AD234 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD235 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD236 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD237 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD238 / 51	U.S. BORAX INC-GANGU	14486 BORAX ROAD	RGA LF	1513	0.287	East
AD239 / 51	US BORAX PLANT	14486 BORAX ROAD	RGA LUST	1513	0.287	East
AD240 / 51	U.S. BORAX INC/GANGU	14486 BORAX ROAD	RGA LF	1513	0.287	East
AD241 / 51		14486 BORAX RD	CHMIRS	1513	0.287	East
AD242 / 51		14486 BORAX RD.	CHMIRS	1513	0.287	East
AD243 / 51		14486 BORAX RD	CHMIRS	1513	0.287	East
AD244 / 51		14486 BORAX RD	CHMIRS	1513	0.287	East
AD245 / 51	BORON MINE FACILITY	14486 BORAX RD.	CPS-SLIC, CHMIRS, CERS	1513	0.287	East
AD246 / 51	U S BORAX INC	14486 BORAX RD	UST	1513	0.287	East
AD247 / 51	LAKE SHORE MOJAVE,LL	14486 BORAX RD	CERS	1513	0.287	East
AD248 / 51	14486 BORAX RD	14486 BORAX RD	CIWQS	1513	0.287	East
AD249 / 51	AMES CONSTRUCTION IN	14486 BORAX RD	HWTS	1513	0.287	East
AD250 / 51		14486 BORAX RD.	CHMIRS	1513	0.287	East
AD251 / 51	CSW CONTRACTORS, INC	14486 BORAX ROAD	HWTS	1513	0.287	East
AD252 / 51	CACHE VALLEY ELECTRI	14486 BORAX RD	CHMIRS, CUPA Listings, HAZNET, HWTS	1513	0.287	East
AD253 / 51		14486 BORAX ROAD	CHMIRS	1513	0.287	East
AD254 / 51	US BORAX & CHEMICAL	14486 BORAX RD.	FINDS	1513	0.287	East
AD255 / 51	U. S. BORAX, BORON O	14486 BORAX ROAD	ICIS, US AIRS, FINDS, ECHO	1513	0.287	East
AD256 / 51		14486 BORAX ROAD, NO	CHMIRS	1513	0.287	East
AD257 / 51	MOJAVE COGENERATION	14486 BORAX ROAD	RMP	1513	0.287	East
AD258 / 51	U.S. BORAX INC.	14486 BORAX ROAD	TSCA	1513	0.287	East
AD259 / 51	US BORAX INC	14486 BORAX RD.	SEMS-ARCHIVE, CORRACTS, RCRA-LQG, FINDS,.	1513	0.287	East
AD260 / 51	U S BORAX INC	14486 BORAX RD	SSTS, US MINES	1513	0.287	East
AD261 / 51	AMES CONSTRUCTION IN	14486 BORAX RD	RCRA NonGen / NLR	1513	0.287	East
AD262 / 51	MOJAVE COGENERATION	14486 BORAX ROAD	RMP	1513	0.287	East
AD263 / 51	U S BORAX INC.	14486 BORAX RD	SSTS	1513	0.287	East
AD264 / 51	MOJAVE COGENERATION	14486 BORAX ROAD	RMP	1513	0.287	East
AD265 / 51		14486 BORAX RD.	CHMIRS	1513	0.287	East
AD266 / 51	AMES CONSTRUCTION IN	14486 BORAX RD	FINDS, ECHO	1513	0.287	East
AD267 / 51	J I ARIAS INC	14486 BORAX ROAD	FINDS	1513	0.287	East
AD268 / 51	US BORAX	14486 BORAX RD	SSTS	1513	0.287	East
AD269 / 51	US BORAX PLANT	14486 BORAX ROAD	LUST, CHMIRS, Cortese, EMI	1513	0.287	East
AD270 / 51	GANGUE/OVERBURDEN/RE	14486 BORAX RD	FINDS	1513	0.287	East
AD271 / 51	BORON MINE FACILITY	14486 BORAX RD	FINDS	1513	0.287	East

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
AD272 / 51	U S BORAX INC	14486 BORAX ROAD	CPS-SLIC, AST, CHMIRS	1513	0.287	East
AD273 / 51	EIF MOJAVE LLC	14486 BORAX RD	HAZNET, HWTS	1513	0.287	East
AD274 / 51	U. S. BORAX & CHEMIC	14486 BORAX RD	RGA LUST	1513	0.287	East
AD275 / 51	US BORAX & CHEMICAL	14486 BORAX RD	SSTS	1513	0.287	East
AD276 / 51	U.S. BORAX	14486 BORAX ROAD	FTTS	1513	0.287	East
AD277 / 51	U S BORAX	14486 BORAX RD	SSTS	1513	0.287	East
AD278 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD279 / 51	U S BORAX AND CHEMIC	14486 BORAX RD	SWEEPS UST, CA FID UST, CHMIRS	1513	0.287	East
AD280 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD281 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD282 / 51	U S BORAX INC	14486 BORAX RD	AST	1513	0.287	East
AD283 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD284 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD285 / 51	US BORAX BORON OPERA	14486 BORAX RD	SWF/LF, LUST, WMUDS/SWAT, CERS HAZ WASTE	1513	0.287	East
AD286 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD287 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD288 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD289 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD290 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD291 / 51	14486 BORAX ROAD	14486 BORAX ROAD	HMIRS	1513	0.287	East
AD292 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD293 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD294 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD295 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD296 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD297 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD298 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD299 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD300 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD301 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD302 / 51	RIO TINTO MINE	14486 BORAX RD	US MINES	1513	0.287	East
AD303 / 51	BORON OPERATIONS	14486 BORAX ROAD	US MINES	1513	0.287	East
304 / 52	MICHAEL HENDERSON	12163 EL MIRAGE ST	HAZNET, HWTS	1524	0.289	East
305 / 36	BORON PIT		MINES MRDS	1529	0.290	ENE
306 / 49	LEWIS ROBERSON	13336 GILBERT ST	HAZNET, HWTS	1563	0.296	North
307 / 49		13301 FOX ST	CHMIRS	1573	0.298	North
308 / 45	395 HILL DEPOSIT		MINES MRDS	1574	0.298	ENE
AF309 / 48	EDWARDS AIR FORCE BA		MCS	1611	0.305	ESE
AF310 / 48	EDWARDS AIR FORCE BA		MCS	1642	0.311	SE

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MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
311 / 41	LEOPOLD		MINES MRDS	1644	0.311	South
AG312 / 49	HOME	16693 ALEXANDER	SWEEPS UST, HIST UST	1652	0.313	North
AG313 / 49	WILLIAM YOUNG	16693 ALEXANDER AVE	HWTS	1652	0.313	North
314 / 49	CHARLES M RICHEY	16653 ALEXANDER	HIST UST	1659	0.314	North
AH315 / 20		230 DESERT BREEZE DR	ERNS	1718	0.325	West
AH316 / 20		230 DESERT BREEZE DR	ERNS	1718	0.325	West
AH317 / 20		230 DESERT BREEZE DR	CHMIRS	1718	0.325	West
AI318 / 49	PRIVATE RESIDENCE	16977 MONTEREY	UST	1733	0.328	South
AI319 / 49	THOMAS W OWENS	16977 MONTEREY AVE	SWEEPS UST, HIST UST	1733	0.328	South
AI320 / 49	1X T W OWENS	16977 MONTERY AVE	HAZNET, HWTS	1733	0.328	South
AJ321 / 51	DEBORA EPHRIAM	12489 SIERRA VIEW ST	FINDS, ECHO	1770	0.335	East
AJ322 / 51	DEBORA EPHRIAM	12489 SIERRA VIEW ST	RCRA NonGen / NLR	1770	0.335	East
AJ323 / 51	DEBORA EPHRIAM	12489 SIERRA VIEW ST	HAZNET, HWTS	1770	0.335	East
324 / 20		387 MORNING GLORY DR	CHMIRS	1779	0.337	West
325 / 49	GERALD D PERRY	13629 FLINT ST	SWEEPS UST, HIST UST	1843	0.349	South
326 / 52	KERN CNTY/GENERAL SV	26998 JOHN ST	HAZNET, HWTS	1864	0.353	North
327 / 29	CHC CALIFORNIA CITY,	20000 BUCKNELL CT	CERS HAZ WASTE, CUPA Listings, CERS	1877	0.355	West
AK328 / 49	HOME	16794 VISTA DEL ORO	HIST UST	1916	0.363	North
AK329 / 49	PRIVATE RESIDENCE	16794 VISTA DEL ORA	UST	1916	0.363	North
AK330 / 49	HOME	16794 VISTA DEL ORA	HIST UST	1916	0.363	North
331 / 20		200 DESERT BREEZE DR	CHMIRS	1929	0.365	West
AL332 / 49	PRIVATE RESIDENCE	13415 LAMEL ST	UST	2092	0.396	North
AL333 / 49	GASOLINE TANK	13415 LAMEL	SWEEPS UST, HIST UST	2092	0.396	North
334 / 49	NORTH MUROC MUTUAL W		ECHO	2113	0.400	North
AM335 / 49	SUSAN G ROBERSON	13585 GILBERT ST	SWEEPS UST, HIST UST	2119	0.401	South
AM336 / 49	PRIVATE RESIDENCE	13585 GILBERT	UST	2119	0.401	South
AN337 / 48	EDWARDS AIR FORCE BA		MCS	2132	0.404	SE
AO338 / 52	BORON BIBLE CHURCH	26904 NICHOLS ST	RCRA NonGen / NLR	2141	0.405	North
AO339 / 52	BORON BIBLE CHURCH	26904 NICHOLS ST	FINDS, ECHO	2141	0.405	North
AO340 / 52	BORON BIBLE CHURCH	26904 NICHOLS ST	HAZNET, HWTS	2141	0.405	North
341 / 49	VICKI MUELLNER	16821 DESERITA AVE	HAZNET, HWTS	2179	0.413	South
342 / 20		271 DESSERT BREEZE D	CHMIRS	2187	0.414	West
343 / 49	EAFB OFF-BASE ADJACE		UXO	2220	0.420	North
AN344 / 48	EDWARDS AIR FORCE BA		MCS	2222	0.421	SE
345 / 51	YESENA ALFARO	24232 JUNIPER AVE	HAZNET, HWTS	2225	0.421	NE
346 / 52	DONNA FORT	24330 TAMARISK AVE	HAZNET, HWTS	2226	0.422	ENE
AP347 / 48	EDWARDS AIR FORCE BA		CERS	2233	0.423	SE
AP348 / 48	EDWARDS AIR FORCE BA		MCS	2241	0.424	SE
AQ349 / 53	FOUR CORNERS UNOCAL	2851 STATE HWY 58	FINDS	2243	0.425	North

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MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
AQ350 / 53	FOUR CORNERS UNOCAL	2851 STATE HWY 58	RGA LUST	2243	0.425	North
AQ351 / 53	FOUR CORNERS UNOCAL	2851 STATE HWY 58	LUST, Cortese, HAZNET, CERS, HWTS	2243	0.425	North
AQ352 / 53	FOUR CORNERS CHEVRON	2852 HWY 58	CERS	2283	0.432	North
AQ353 / 53	FOUR CORNERS CHEVRON	2852 HWY 58	RGA LUST	2283	0.432	North
AQ354 / 53	FOUR CORNERS CHEVRON	2852 HWY 58	FINDS	2283	0.432	North
AQ355 / 53	11756 RB6T	2852 HWY 58	FINDS	2283	0.432	North
AQ356 / 53	FOUR CORNERS CHEVRON	2852 HWY 58	LUST, Cortese, EMI, HIST CORTESE, San Be...	2283	0.432	North
357 / 49	FRANK'S EXXON #4	14800 WEST FRONTAGE	FINDS	2287	0.433	South
AR358 / 20	CALIFORNIA CITY HIGH	MENDIBURU ROAD/RUSCH	ENVIROSTOR, SCH	2288	0.433	WSW
AR359 / 20	CALIFORNIA CITY HIGH	MENDIBURU ROAD/RUSCH	CERS	2288	0.433	WSW
AS360 / 48	BNSF RAILWAY COMPANY	12591 MUROC RD	FINDS	2294	0.434	West
AS361 / 48	BNSF RAILWAY COMPANY	12591 MUROC RD	CUPA Listings, HAZNET, CERS, HWTS	2294	0.434	West
AN362 / 48	EDWARDS AIR FORCE BA		MCS	2320	0.439	SE
363 / 20	AIRWAY TRANSPORT	21030 WINESAP CT	HWTS	2342	0.444	West
364 / 49		13549 FLINT ST	ERNS	2348	0.445	South
365 / 48	USNASA JET PROPULSIO	NORTH BASE RD EDWARD	FINDS, ECHO	2354	0.446	ESE
AT366 / 20		192 CAMPFIRE DRIVE	CHMIRS	2362	0.447	West
AP367 / 48	EDWARDS AIR FORCE BA		MCS	2365	0.448	SE
368 / 48	EDWARDS AIR FORCE BA		MCS	2395	0.454	SE
AP369 / 48	EDWARDS AIR FORCE BA		MCS	2412	0.457	SE
AU370 / 52		11933 NANCY AVE	CHMIRS	2459	0.466	North
AU371 / 52		11933 NANCY AVE	CHMIRS	2459	0.466	North
AU372 / 52		11933 NANCY AVE	CHMIRS	2459	0.466	North
AU373 / 52		11933 NANCY AVE	ERNS	2459	0.466	North
374 / 48	EDWARDS AIR FORCE BA		MCS	2487	0.471	ESE
AT375 / 20		187 CAMPFIRE DR.	CHMIRS	2488	0.471	West
AT376 / 20		187 CAMP FIRE DR	CHMIRS	2488	0.471	West
AT377 / 20		187 CAMPFIRE DR.	ERNS	2488	0.471	West
AV378 / 55	FOUR CORNERS UNION	6158 HWY 58 KRAMER J	HWTS	2489	0.471	East
AV379 / 55	KAREN CAILLIER	6158 HWY 58	HWTS	2489	0.471	East
AV380 / 55	FOUR CORNERS UNION	6158 HWY 58 KRAMER J	FINDS, ECHO	2489	0.471	East
AV381 / 55	FOUR CORNERS UNION	6158 HWY 58 KRAMER J	RCRA NonGen / NLR	2489	0.471	East
AV382 / 55	FOUR CORNERS UNION	6158 HWY 58 B	UST	2489	0.471	East
AV383 / 55	FOUR CORNERS UNION	6158 HWY 58 B B	San Bern. Co. Permit	2489	0.471	East
AV384 / 55	WAY STATION MINI MAR	6158 E STATE HIGHWAY	EDR Hist Auto	2489	0.471	East
AV385 / 55	FOUR CORNERS UNION	6158 HWY 58 B	CERS HAZ WASTE, CERS TANKS, CERS	2489	0.471	East
AV386 / 55	AT&T MOBILITY - BORO	6158 E STATE HIGHWAY	San Bern. Co. Permit, CERS	2489	0.471	East
AV387 / 55	FOUR CORNERS UNION	6158 HWY 58 B	FINDS	2489	0.471	East
AV388 / 55	AT&T MOBILITY #11335	6158 E STATE HIGHWAY	FINDS	2489	0.471	East

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AV389 / 55	AT AND T MOBILITY -	6158 HIGHWAY 58	CUPA Listings	2489	0.471	East
AW390 / 49	NORTH EDWARDS WATER	13525 FRAN ST	FINDS, ECHO	2496	0.473	South
AW391 / 49	NORTH EDWARDS WATER	13525 FRAN ST	CUPA Listings, CERS	2496	0.473	South
AV392 / 55	FOUR CORNERS UNION S	6158B HWY 58	EDR Hist Auto	2497	0.473	East
393 / 48	EDWARDS AIR FORCE BA		MCS	2553	0.484	SE
394 / 51	EDWARDS AIR FORCE BA		MCS	2589	0.490	SW
395 / 48	EDWARDS AIR FORCE BA		MCS	2603	0.493	SE
396 / 52	NANCY SWINDLEHURST	24405 TAMARISK AVE	HAZNET, HWTS	2613	0.495	ENE
397 / 20	VERONICA LIMON RAMIR	11001 ROME BEAUTY DR	RCRA NonGen / NLR	2630	0.498	West
AX398 / 49	PARKER RESIDENCE	16705 GLENDOWER	CERS TANKS, CUPA Listings	2631	0.498	South
AX399 / 49	PARKER RESIDENCE	16705 GLENDOWER	UST	2631	0.498	South
AX400 / 49	DIANA GRAY	16705 GLENDOWER AVE	HIST UST	2631	0.498	South
AX401 / 49	PARKER RESIDENCE	16705 GLENDOWER	FINDS	2631	0.498	South
AX402 / 49	DAVID PARKER	16705 GLENDOWER ST	SWEEPS UST	2631	0.498	South
AY403 / 20	CALIF CITY WASTEWATE	10835 NELSON DR	FINDS	2677	0.507	South
AY404 / 20	CITY OF CALIFORNIA C	10835 NORTH NELSON D	EMI	2677	0.507	South
AY405 / 20	CALIFORNIA CITY CS	10835 NELSON	CERS	2677	0.507	South
AY406 / 20	CALIFORNIA CITY WTF	10835 NELSON DRIVE	PFAS	2677	0.507	South
AY407 / 20	CALIFORNIA CITY WAST	10835 NELSON DR	CERS HAZ WASTE, HAZNET, CERS, HWTS	2677	0.507	South
AY408 / 20	CITY OF CALIFORNIA C	10835 NELSON DR	RCRA NonGen / NLR	2677	0.507	South
AY409 / 20	CITY OF CALIFORNIA C	10835 NELSON DR.	RMP	2677	0.507	South
AY410 / 20	CITY OF CALIFORNIA C	10835 NELSON DRIVE	ECHO	2677	0.507	South
AY411 / 20	CALIFORNIA CITY WAST	10835 NELSON DR	RCRA NonGen / NLR	2677	0.507	South
AY412 / 20	CALIFORNIA CITY WAST	10835 NELSON DR	FINDS, ECHO	2677	0.507	South
AY413 / 20	CALIFORNIA CITY CS	10835 NELSON	FINDS	2677	0.507	South
AY414 / 20	CITY OF CALIFORNIA C	10835 NELSON DRIVE	FINDS	2677	0.507	South
AY415 / 20	CITY OF CALIFORNIA C	10835 NELSON DR	HAZNET, WDR, CIWQS, HWTS	2677	0.507	South
AY416 / 20	CITY OF CALIFORNIA C	10835 NELSON DRIVE	RMP	2677	0.507	South
AY417 / 20	CALIFORNIA CITY CS	10835 NELSON DRIVE	ENF, CIWQS	2677	0.507	South
418 / 48	EDWARDS AIR FORCE BA		MCS	2743	0.520	ESE
419 / 48	EDWARDS AIR FORCE BA		MCS	2745	0.520	SE
420 / 52	19097 PED PATH BORON	TWENTY MULE TEAM RD	CIWQS	2805	0.531	North
AZ421 / 52	KNOTTS TEXACO SERVIC	27195 20 M T RD	CA FID UST	2833	0.537	North
422 / 51	U S BORAX INC		US MINES	2849	0.540	North
BA423 / 53	1X J.C. FENNEL AND S	27401 TWENTY MULE TE	HAZNET, HWTS	2858	0.541	North
BA424 / 53	J C FENNELL & SONS	27401 20 MULE TEAM R	CA FID UST	2858	0.541	North
BA425 / 53	FENNELL & SON'S GARA	27401 20 MULE TEAM R	UST	2858	0.541	North
BA426 / 53	JC FENNEL & SONS	27401 20 MULE TEAM R	LUST, SWEEPS UST, HIST CORTESE	2858	0.541	North
BA427 / 53	JC FENNEL & SONS	27401 20 MULE TEAM R	RGA LUST	2858	0.541	North

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BA428 / 53	FORMER JC FENNEL & S	27401 20 MULE TEAM R	FINDS	2858	0.541	North
BA429 / 53	JC FENNELL & SONS GA	27401 20 MULE TEAM R	LUST, Cortese, CERS	2858	0.541	North
BA430 / 53	J.C. FENNEL & SONS	27401 20 MULE TEAM R	RGA LUST	2858	0.541	North
431 / 48	EDWARDS AIR FORCE BA		MCS	2860	0.542	SE
BB432 / 48	EDWARDS AIR FORCE BA		MCS	2878	0.545	SE
AZ433 / 52	ELIZABETH DYSON PROP	27201 TWENTY MULE TE	UST	2891	0.548	North
AZ434 / 52	ELIZABETH DYSON	27201 20 MULE TEAM R	HAZNET, HWTS	2891	0.548	North
AZ435 / 52	STEVE & RANDY'S AUTO	27201 TWENTY MULE TE	HWTS	2891	0.548	North
AZ436 / 52	ROSENDO & EYNA NAVAR	27195 TWENTY MULE TE	CUPA Listings, HAZNET, HWTS	2900	0.549	North
AZ437 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	HAZNET, HWTS	2900	0.549	North
AZ438 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	RGA LUST	2900	0.549	North
AZ439 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	LUST, SWEEPS UST, Cortese, ENF, HIST COR...	2900	0.549	North
AZ440 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	RGA LUST	2900	0.549	North
AZ441 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	CERS	2900	0.549	North
AZ442 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	FINDS	2900	0.549	North
AZ443 / 52	BORON SERVICE STATIO	27195 TWENTY MULE TE	FINDS	2900	0.549	North
AZ444 / 52	BORON SERVICE STATIO	27195 20 MULETEAM RD	EDR Hist Auto	2900	0.549	North
AZ445 / 52	TEXACO REFINING AND	27195 TWENTY MULE TE	HWTS	2900	0.549	North
AZ446 / 52	BORON SERVICE STATIO	27195 20 MULE TEAM R	HWTS	2900	0.549	North
AZ447 / 52	BORON SERVICE STATIO	27195 20 MULE TEAM R	HWTS	2900	0.549	North
AZ448 / 52	BORON SERVICE STATIO	27195 TWENTY MULE TE	UST	2900	0.549	North
BC449 / 52	D J AUTO REPAIR	27127 20 MULE TEAM R	HWTS	2911	0.551	North
BC450 / 52	JIMS MOBIL SERV	27127 TWENTY MULE TE	UST	2911	0.551	North
451 / 52		26962 TWENTY MULE TE	CHMIRS	2916	0.552	North
BD452 / 48	EDWARDS AIR FORCE BA		MCS	2944	0.558	SE
453 / 51	BORON REST FACILITY	HWY 58 W OF BORON	ENF, WDS, WDR, CIWQS, CERS	2955	0.560	South
BE454 / 52	DESERT LAKE COMM SER		ECHO	2962	0.561	ENE
BB455 / 48	EDWARDS AIR FORCE BA		MCS	2986	0.566	SE
456 / 57	EDWARDS AIR FORCE BA		MCS	3001	0.568	South
457 / 53	MICHAEL & DIANA VERO	27457 TWENTY MULE TE	HAZNET, HWTS	3005	0.569	North
BF458 / 53	G&J HEAVY HAUL INC.	2564 CA-58	RCRA NonGen / NLR	3008	0.570	North
BF459 / 53	G&J HEAVY HAUL INC.	2564 CA-58	ECHO	3008	0.570	North
BF460 / 53	G&J HEAVY HAUL INC.	2564 CA-58	FINDS	3008	0.570	North
BF461 / 53	G&J HEAVY HAUL INC.	2564 CA-58	HWTS	3008	0.570	North
BE462 / 52	DESERT LAKE COMM SER		FINDS	3028	0.573	ENE
BG463 / 48	EDWARDS AIR FORCE BA		MCS	3035	0.575	SE
BH464 / 52	FAMILY DOLLAR #31432	26645 20 MULE TEAM R	CUPA Listings	3049	0.577	North
BH465 / 52	FAMILY DOLLAR #31432	26645 20 MULE TEAM R	CERS HAZ WASTE, CERS	3049	0.577	North
BH466 / 52	FAMILY DOLLAR INC #1	26645 TWENTY MULE TE	HAZNET, HWTS	3049	0.577	North

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BH467 / 52	FAMILY DOLLAR INC #1	26645 TWENTY MULE TE	FINDS, ECHO	3049	0.577	North
BH468 / 52	FAMILY DOLLAR INC #1	26645 TWENTY MULE TE	RCRA NonGen / NLR	3049	0.577	North
BD469 / 48	EDWARDS AIR FORCE BA		MCS	3050	0.578	SE
470 / 55	FOUR CORNERS UNION	6258 HWY 58	UST	3077	0.583	East
BH471 / 52	GREEN FIELD RECYCLE	12025 GARDINER ST	SWRCY	3077	0.583	North
BI472 / 48	EDWARDS AIR FORCE BA		MCS	3077	0.583	SE
BG473 / 48	EDWARDS AIR FORCE BA		MCS	3137	0.594	SE
BJ474 / 52	RESIDENCE	12429 DEL ORO ST	HIST UST	3138	0.594	ENE
BJ475 / 52	RESIDENCE	12429 DEL ORO ST	UST	3138	0.594	ENE
476 / 29	PADRON METAL FINISHI	10856 HANOVER DR	RCRA NonGen / NLR	3145	0.596	West
477 / 20	CALIFORNIA CITY HIGH	8567 BOLDEN AVE	CIWQS	3155	0.598	SW
BI478 / 48	EDWARDS AIR FORCE BA		MCS	3173	0.601	SE
BH479 / 52	FAMILY DOLLAR BORON	NEC GARDINER ST AND	NPDES, CIWQS	3181	0.602	North
BG480 / 48	EDWARDS AIR FORCE BA		MCS	3209	0.608	SE
BK481 / 48	EDWARDS AIR FORCE BA		MCS	3235	0.613	SE
BL482 / 48	EDWARDS AIR FORCE BA		MCS	3236	0.613	SE
BM483 / 52	BORON AUTO BODY	26049 20 MULETEAM RD	RCRA-SQG, CA FID UST, FINDS, ECHO	3289	0.623	North
BM484 / 52	BORON AUTO BODY	26049 20 MULETEAM RD	HWTS	3289	0.623	North
BL485 / 48	EDWARDS AIR FORCE BA		MCS	3289	0.623	SE
486 / 48	EDWARDS AIR FORCE BA		MCS	3334	0.631	ESE
BK487 / 48	EDWARDS AIR FORCE BA		MCS	3346	0.634	SE
BL488 / 48	EDWARDS AIR FORCE BA		MCS	3388	0.642	SE
489 / 52	44 ELECTRIC	26967 NUDGENT ST	CUPA Listings	3389	0.642	North
490 / 52	PRINCIPAL RESIDENTIA	27011 NUDGENT ST	HAZNET, HWTS	3389	0.642	North
491 / 48	USNASA JET PROPULSIO	NORTH BASE RD EDWARD	CORRACTS, RCRA-TSDF, HIST UST, CA FID US...	3419	0.648	East
BN492 / 48	EDWARDS AIR FORCE BA		MCS	3437	0.651	SE
BN493 / 48	EDWARDS AIR FORCE BA		MCS	3464	0.656	SE
494 / 20		10808 KELLER DR	CHMIRS	3464	0.656	West
495 / 20	ALFREDO FLORES	9781 MARGERY AVE	HAZNET, HWTS	3564	0.675	South
BO496 / 52	VERIZON CALIFORNIA:	12156 ROBERTS AVE	FINDS	3578	0.678	North
BO497 / 52	FRONTIER CALIFORNIA	12156 ROBERTS AVENUE	EMI	3578	0.678	North
BO498 / 52	FRONTIER CALIFORNIA	12156 ROBERTS AVENUE	FINDS	3578	0.678	North
BO499 / 52	VERIZON CALIFORNIA I	12156 ROBERTS AVE	CUPA Listings, HAZNET, HWTS	3578	0.678	North
BP500 / 52	GEPHART SCHOOL	T11N R7W SECTION 19	LUST	3615	0.685	North
BP501 / 52	GEPHART SCHOOL	T11N R7W SECTION 19	LUST, Cortese, HIST CORTESE, CERS	3616	0.685	North
502 / 48	EDWARDS AIR FORCE BA		MCS	3658	0.693	SE
BQ503 / 52	DEBORD-PRIVATE RESID	27044 ANDERSON ST	UST	3658	0.693	North
BQ504 / 52	1X DEBORD CEPTIC SVC	27044 ANDERSON STREE	HAZNET, HWTS	3658	0.693	North
BQ505 / 52	DEBORD SEPTIC TANK S	27044 ANDERSON ST	HIST UST	3658	0.693	North

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
BR506 / 52	DODDERER THIRD PARTY	26960 ANDERSON ST	FINDS	3694	0.700	North
BR507 / 52	DODDERER THIRD PARTY	26960 ANDERSON ST	ECHO	3694	0.700	North
BR508 / 52	DODDERER THIRD PARTY	26960 ANDERSON ST	RCRA NonGen / NLR	3694	0.700	North
BR509 / 52	DODDERER THIRD PARTY	26960 ANDERSON ST	HAZNET, HWTS	3694	0.700	North
510 / 36	FEDERAL PRISON CAMP	HWY 395	LUST, CERS	3697	0.700	WSW
511 / 20	EAST KERN HEALTH CAR	9300 NORTH LOOP BLVD	HAZNET, HWTS	3756	0.711	SSE
512 / 20	IRAJ FAJIMIAN	10755 JEREMY DR	HAZNET, HWTS	3762	0.712	West
513 / 27	UNNAMED SHAFT		MINES MRDS	3779	0.716	ENE
514 / 52	JANET EYRE	27163 ANDERSON ST	HAZNET, HWTS	3831	0.726	North
515 / 20	JASON MARKIEWITZ	9849 KAREN AVE	HAZNET, HWTS	3878	0.734	South
516 / 20		21361 BALDWIN LN.	CHMIRS	3914	0.741	West
517 / 41	BALLING I		MINES MRDS	3931	0.745	ESE
518 / 48	EDWARDS AIR FORCE BA		MCS	3946	0.747	East
519 / 20		21441 HECTOR COURT	CHMIRS	3956	0.749	West
520 / 20	ANDY BARTOSOVKY	10733 JEREMY CT	HAZNET, HWTS	3984	0.755	West
BS521 / 54	SCG - KRAMER JUNCTIO	SECTION 4 T10N R6W	EMI, CERS	4009	0.759	SSE
BS522 / 54	SCG - KRAMER JUNCTIO	SECTION 4, T10N R6W	EMI	4009	0.759	SSE
BT523 / 29	TEXACO EXPRESS LUBE	20400 CALIFORNIA CIT	HAZNET, HWTS	4021	0.762	West
BT524 / 29	CASTROL PREMIUM LUBE	20400 CALIFORNIA CIT	CERS HAZ WASTE, CERS TANKS, CUPA Listing...	4021	0.762	West
BT525 / 29	CASTROL PREMIUM LUBE	20400 CALIFORNIA CIT	FINDS, ECHO	4021	0.762	West
BT526 / 29	CASTROL PREMIUM LUBE	20400 CALIFORNIA CIT	RCRA NonGen / NLR	4021	0.762	West
BT527 / 29	TEXACO EXPRESS LUBE	20400 CALIFORNIA CIT	HAZNET, HWTS	4021	0.762	West
BU528 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU529 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU530 / 42		14886 BORAX RD	CHMIRS	4023	0.762	North
BU531 / 42		14886 BORAX ROAD	CHMIRS	4023	0.762	North
BU532 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU533 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU534 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU535 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU536 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU537 / 42	U.S. BORAX, INC.	14886 BORAX RD	FINDS	4023	0.762	North
BU538 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU539 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU540 / 42		14886 BORAX RD	ERNS	4023	0.762	North
541 / 41	MARSHALL BOND		MINES MRDS	4025	0.762	South
BV542 / 48	NASA JET PROPULSION	NORTH BASE RD, EDWAR	HAZNET, CERS, HWTS	4044	0.766	East
BV543 / 48	NASA JET PROPULSION	NORTH BASE RD, EDWAR	CERS	4044	0.766	East
BV544 / 48	NASA JET PROPULSION	NORTH BASE RD, EDWAR	ENVIROSTOR, HWP	4064	0.770	East

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
545 / 52	HENRY DELGADO	27132 COTE ST	HAZNET, HWTS	4071	0.771	North
546 / 20		21446 JONATHAN	CHMIRS	4145	0.785	West
547 / 20		21671 BANCROFT DR	CHMIRS	4149	0.786	South
BW548 / 36	BORON AFS Z-59		ENVIROSTOR	4167	0.789	WSW
BW549 / 36	BORON AIR FORCE STAT		FUDS	4169	0.790	WSW
BX550 / 52	KERN COUNTY FIRE DEP	26965 COTE ST	UST	4199	0.795	North
BX551 / 52	KERN COUNTY FIRE DEP	26965 COTE ST	FINDS	4199	0.795	North
BX552 / 52	KERN COUNTY FIRE DEP	26965 COTE ST	HWTS	4199	0.795	North
BX553 / 52	KERN COUNTY FIRE DEP	26965 COTE STREET	EMI	4199	0.795	North
BX554 / 52	KERN CO FIRE DEPT ST	26965 COTE ST	LUST, SWEEPS UST, HIST UST, CA FID UST, ...	4199	0.795	North
BX555 / 52	BEHIND FIRE STATION	26965 COTE ST	FINDS	4199	0.795	North
BX556 / 52	1X KERN COUNTY FIRE	26965 COTE STREET	HAZNET, HWTS	4199	0.795	North
BX557 / 52	KERN COUNTY FIRE STA	26965 COTE ST	RGA LUST	4199	0.795	North
BX558 / 52	COUNTY OF KERN	26965 COTE ST	LUST, HAZNET, HIST CORTESE, HWTS	4199	0.795	North
BX559 / 52	KERN COUNTY FIRE DEP	26965 COTE ST	HIST UST	4199	0.795	North
560 / 42		14888 BORAX RD.	CHMIRS	4232	0.802	North
561 / 40	DAVID V EIDE	14814 CASTLE BUTTE R	FINDS	4244	0.804	North
BY562 / 52	ROSS E SWINDELHURST	12313 BORON AVE	FINDS, ECHO	4270	0.809	North
BY563 / 52	ROSS E SWINDELHURST	12313 BORON AVE	RCRA NonGen / NLR	4270	0.809	North
BY564 / 52	ROSS E SWINDELHURST	12313 BORON AVE	HWTS	4270	0.809	North
BZ565 / 30	EDWARDS AFB PROJ ROU		FUDS	4295	0.813	SW
BZ566 / 30	EDWARDS AIR FORCE BA		UXO	4295	0.813	SW
CA567 / 49	EDWARDS-HOLGATE-SOUT		CIWQS	4298	0.814	South
CA568 / 49	EDWARDS-HOLGATE-SOUT		CERS	4298	0.814	South
569 / 8	UNNAMED PROSPECT		MINES MRDS	4348	0.823	ENE
570 / 52	MILLER, WILLIAM AND	27144 JEROME STREET	HAZNET, HWTS	4413	0.836	North
CB571 / 52	BORON SHELL	12366 BORON AVE	UST	4530	0.858	North
CB572 / 52	BORON SHELL	12366 BORON AVENUE	EMI	4530	0.858	North
CB573 / 52	CIRCLE K STORE #749	12366 BORON AVE	RGA LUST	4530	0.858	North
CB574 / 52	CIRCLE K #749	12366 BORON AVE	RGA LUST	4530	0.858	North
CB575 / 52	BORON SHELL	12366 BORON AVENUE	FINDS	4530	0.858	North
CB576 / 52	CIRCLE K #749	12366 BORON AVE	LUST, SWEEPS UST, Cortese	4530	0.858	North
CB577 / 52	CIRCLE K STORE #749	12366 BORON AVE	RCRA-SQG, LUST, CERS HAZ WASTE, HIST UST..	4530	0.858	North
CC578 / 52	BETTY MILLER	27095 JEROME STREET	RCRA NonGen / NLR	4544	0.861	North
CC579 / 52	BETTY MILLER	27095 JEROME STREET	FINDS, ECHO	4544	0.861	North
CC580 / 52	BETTY MILLER	27095 JEROME STREET	HWTS	4544	0.861	North
581 / 52	BORON STP	WEST BORON	ENF, WDS, WDR, CIWQS, CERS	4544	0.861	North
582 / 52	U S BORAX INC	BORAX RD 1-MI N OF H	UST	4565	0.865	North
CD583 / 52	BORON MAINTENANCE FA	26653 PROSPECT AVENU	FINDS	4587	0.869	North

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
CD584 / 52	MUROC JOINT UNIFIED	26653 PROSPECT ST	FINDS	4587	0.869	North
CD585 / 52	MJUSD-MUROC JOINT UN	26653 PROSPECT	HAZNET, HWTS	4587	0.869	North
CD586 / 52	BORON MAINTENANCE FA	26653 PROSPECT AVENU	LUST, Cortese	4587	0.869	North
CD587 / 52	MUROC JOINT USD-MAIN	26653 PROSPECT ST	UST	4587	0.869	North
CD588 / 52	MUROC JOINT UNIFIED	26653 PROSPECT STREE	EMI	4587	0.869	North
CD589 / 52	MUROC JOINT UNIFIED	26653 PROSPECT STREE	EMI	4587	0.869	North
CD590 / 52	BORON HIGH SCHOOL	26653 PROSPECT	HIST UST	4587	0.869	North
CD591 / 52	MUROC JT UNIF SCHL D	26653 PROSPECT ST	RCRA-SQG, FINDS, ECHO	4587	0.869	North
CD592 / 52	MUROC JOINT USD-MAIN	26653 PROSPECT ST	CERS HAZ WASTE, CERS TANKS, CUPA Listing...	4587	0.869	North
CD593 / 52	1X MUROC JOINT U S D	26653 PROSPECT	HAZNET, HWTS	4587	0.869	North
CD594 / 52	MUROC SCHOOL DIST MA	26653 PROSPECT ST	RGA LUST	4587	0.869	North
CD595 / 52	BORON MAINTENANCE FA	26653 PROSPECT RD	RGA LUST	4587	0.869	North
CD596 / 52	BORON MAINTENANCE FA	26653 PROSPECT AVENU	RGA LUST	4587	0.869	North
CD597 / 52	MUROC JOINT USD-MAIN	26653 PROSPECT ST	AST	4587	0.869	North
CD598 / 52	MUROC JOINT USD-MAIN	26653 PROSPECT	AST	4587	0.869	North
CD599 / 52	BORON MAINTENANCE	26653 PROSPECT AVENU	RGA LUST	4587	0.869	North
CD600 / 52	BORON HIGH SCHOOL	26653 PROSPECT	LUST, SWEEPS UST, CA FID UST, CERS	4587	0.869	North
CE601 / 20	ROCHELL BURTON	10661 APPLEWOOD DR	HWTS	4589	0.869	West
CE602 / 20	ROCHELL BURTON	10661 APPLEWOOD DR	FINDS, ECHO	4589	0.869	West
CE603 / 20	ROCHELL BURTON	10661 APPLEWOOD DR	RCRA NonGen / NLR	4589	0.869	West
CF604 / 52	BORON JUNIOR SENIOR	26831 PROSPECT STREE	HAZNET, NPDES, CIWQS, CERS, HWTS	4715	0.893	North
CF605 / 52	1X BORON HIGH SCHOOL	26831 PROSPECT ST	HAZNET, HWTS	4715	0.893	North
CF606 / 52		26831 PROSPECT	CHMIRS	4715	0.893	North
CF607 / 52	BORON JR SR HIGH SCH	26831 PROSPECT ST	HAZNET, HWTS	4715	0.893	North
CF608 / 52	BORON HIGH SCHOOL	26831 PROSPECT ST	CUPA Listings, HAZNET, HWTS	4715	0.893	North
CG609 / 52	ED SAUSER	27022 PROSPECT ST	SWEEPS UST, CA FID UST	4763	0.902	North
CG610 / 52	ED SAUSER	27022 PROSPECT ST	HIST UST	4763	0.902	North
611 / 19	JIMSON	8436 JIMSON AVE	HAZNET, HWTS	4793	0.908	SW
CH612 / 45	USARC OUTDOOR TRNG S		FUDS	4955	0.938	ENE
CH613 / 45	USARC OUTDOOR TRAINI		ENVIROSTOR	4971	0.941	ENE
CI614 / 20	JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	HWTS	5067	0.960	West
CI615 / 20	ARMANDO PLIEGO	20917 CALIFORNIA CIT	RCRA NonGen / NLR	5067	0.960	West
CI616 / 20	ARMANDO PLIEGO	20917 CALIFORNIA CIT	HAZNET, HWTS	5067	0.960	West
CI617 / 20	JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	ECHO	5067	0.960	West
CI618 / 20	JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	FINDS	5067	0.960	West
CI619 / 20	ARMANDO PLIEGO	20917 CALIFORNIA CIT	FINDS, ECHO	5067	0.960	West
CI620 / 20	JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	RCRA NonGen / NLR	5067	0.960	West
621 / 49	EDWARDS AIR FORCE BA		MCS	5079	0.962	ESE
CJ622 / 20	DENNIS AUTOMOTIVE	10521 YALE AVE	FINDS	5197	0.984	West

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

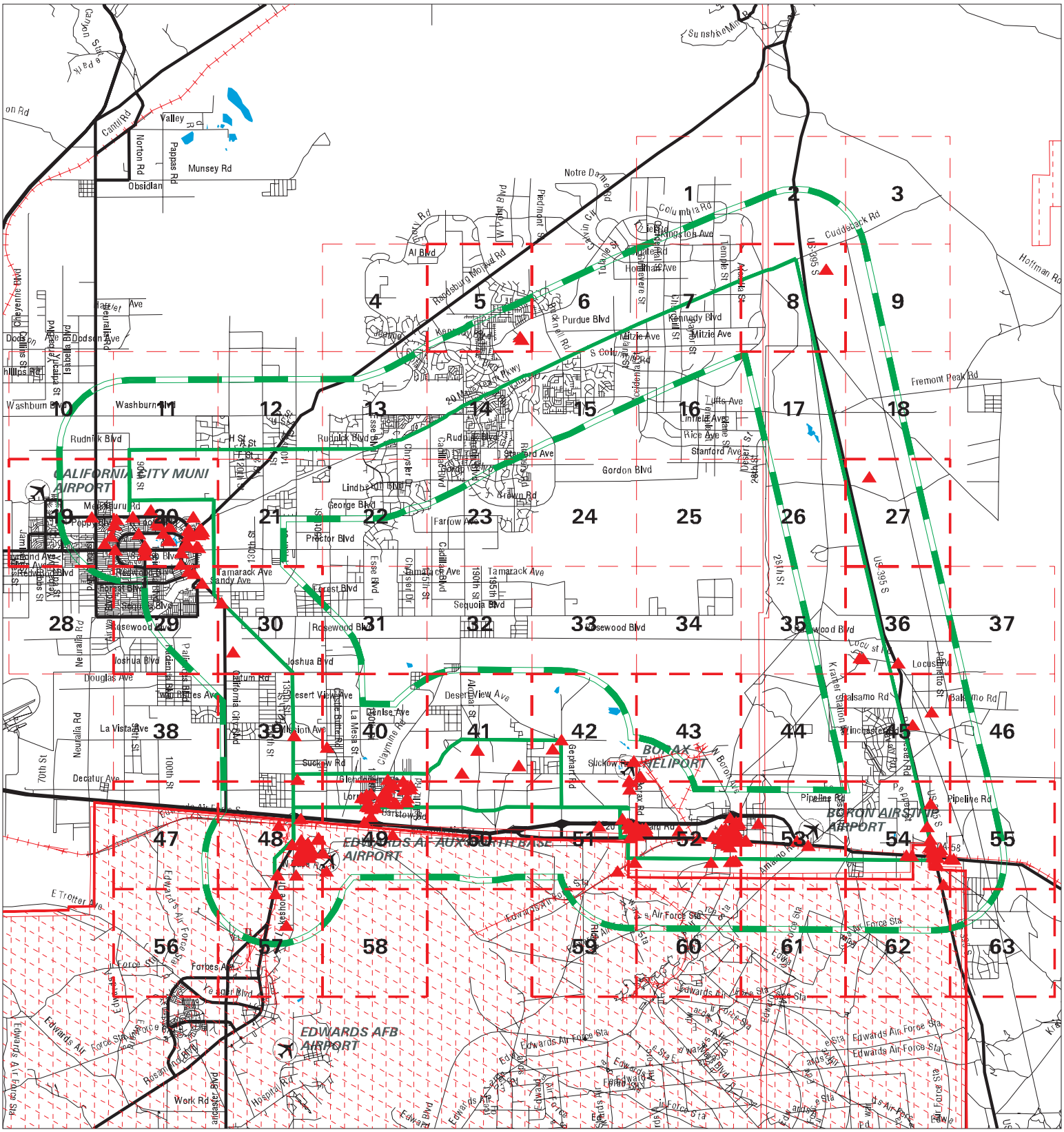
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
CJ623 / 20	DENNIS AUTOMOTIVE &	10521 YALE AVE	FINDS, ECHO	5197	0.984	West
CJ624 / 20	DENNIS AUTOMOTIVE &	10521 YALE AVE	HWTS	5197	0.984	West
CJ625 / 20	DENNIS AUTOMOTIVE	10521 YALE AVE	CERS HAZ WASTE, CUPA Listings, CERS	5197	0.984	West
CJ626 / 20	DENNIS AUTOMOTIVE &	10521 YALE AVE	RCRA NonGen / NLR	5197	0.984	West
627 / 20	NORTH LOOP EST	NORTH LOOP AND CONKL	NPDES, CIWQS	5223	0.989	South
628 / 43	VANURAY PROSPECT		MINES MRDS	5254	0.995	NNE
629 / 52	BERNARD SEARCY	27233 CARMICHAEL ST	RCRA NonGen / NLR	5362	1.016	North
630 / 53	RUDY VALDEZ	12567 EASY ST	RCRA NonGen / NLR	5685	1.077	North
631 / 52	KRAMER SERVICES CORP	12580 SUGAR ST	EDR Hist Auto	5692	1.078	North
CK632 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE DR	Cortese, HAZNET, HWTS	5717	1.083	North
CK633 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE DR	CUPA Listings, CERS	5717	1.083	North
CK634 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE DR	AST	5717	1.083	North
CK635 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE DR	LUST	5717	1.083	North
CK636 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE	AST	5717	1.083	North
637 / 52	ARACELI LIMA	12603 ESTHER ST	RCRA NonGen / NLR	5824	1.103	North
CL638 / 20	T-MOBILE WEST, LLC S	21130 HACIENDA BLVD	CUPA Listings, CERS	5882	1.114	SSE
CL639 / 20	VERIZON WIRELESS CAL	21130 HACIENDA BOULE	CUPA Listings	5882	1.114	SSE
640 / 19	REGAL GREEN REMEDIES	7875 MENDIBURU RD	CERS HAZ WASTE, CERS	5969	1.130	West
641 / 20	CHEMICAL SAFETY	15 CLOVERFIELD LN	CERS HAZ WASTE, CERS	6147	1.164	SSE
CM642 / 5	SILVER SADDLE RANCH	20755 ARISTOTLE DR	UST	6168	1.168	NNW
CM643 / 5	SILVER SADDLE RANCH	20755 ARISTOTLE DR	CA FID UST	6168	1.168	NNW
CM644 / 5	SILVER SADDLE RANCH	20755 ARISTOTLE DR	SWEEPS UST	6168	1.168	NNW
CM645 / 5	SILVER SADDLE RANCH	20755 ARISTOTLE	HIST CORTESE	6168	1.168	NNW
646 / 19	CAL CITY BUSINESS PA	8203 DOGBANE RD	UST	6338	1.200	SW
CN647 / 20	CALIF. CITY PARK MAI	10400 HEATHER (CENTR	HIST UST	6361	1.205	South
CN648 / 20	CALIF. CITY PARK MAI	10400 HEATHER CENTRA	SWEEPS UST, CA FID UST	6361	1.205	South
CN649 / 20	CALIF CITY PARK MAIN	10400 HEATHER (CENTR	HIST UST	6361	1.205	South
CN650 / 20	PARK MAINTENANCE YAR	10400 HEATHER	UST	6361	1.205	South
CO651 / 20	CITY OF CALIF PARKS	10460 HEATHER AVE	CUPA Listings	6364	1.205	South
CO652 / 20	CITY OF CALIF PARKS	10460 HEATHER AVE	UST	6364	1.205	South
CP653 / 20	JAIMESON HILL COMPAN	8601 CALIFORNIA CITY	RCRA NonGen / NLR	6365	1.205	SSW
CP654 / 20	HOWARD'S MINI MART	8601 CALIFORNIA CITY	SWEEPS UST	6365	1.205	SSW
CP655 / 20	#7701 FASTRIP #45	8601 CALIFORNIA CITY	UST	6365	1.205	SSW
CP656 / 20	#7701 FASTRIP #45	8601 CALIFORNIA CITY	CERS HAZ WASTE, CERS TANKS, CUPA Listing...	6365	1.205	SSW
CP657 / 20	FASTRIP #45	8601 CALIFORNIA CITY	UST	6365	1.205	SSW
CP658 / 20	AV AUTO PARTS INC.	8525 CALIFORNIA CITY	RCRA NonGen / NLR	6414	1.215	SSW
659 / 52	VERIZON WIRELESS BOR	12547 BORON AVE	CUPA Listings, CERS	6476	1.227	North
660 / 20	MOJAVE GUNNERY RANGE	2 MILE SW OF 21000 H	RESPONSE, ENVIROSTOR, Cortese	6528	1.236	SSE
661 / 49	BLDG 4318	NORTHBASE	LUST, HIST CORTESE	7203	1.364	SE

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
662 / 20	CALIFORNIA CITY CLEA	20890 HACIENDA BLVD	SWF/LF, HIST UST	7247 1.373 SSE
CQ663 / 42	US BORAX INC	HIGHWAY 58	ENVIROSTOR, CERS	7327 1.388 North
CQ664 / 42	US BORAX INC	HIGHWAY 58	HAZNET, HWP, HWTS	7330 1.388 North
CR665 / 57	NASA ARMSTRONG FLIGH	BLDG 4800 EDWARDS AF	ICE, HWP	8260 1.564 SSE
CR666 / 57	NASA - DRYDEN FLIGHT	BLDG 4800 EDWARDS AF	ENVIROSTOR	8260 1.564 SSE

Key Map - 06704966.5r



SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21 11:07 AM

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	2.000	1	0	0	0	0	0	1
Proposed NPL	2.000		0	0	0	0	0	0
NPL LIENS	2.000		0	0	0	0	0	0
Federal Delisted NPL site list								
Delisted NPL	2.000		0	0	0	0	0	0
Federal CERCLIS list								
FEDERAL FACILITY	1.500		0	0	0	0	0	0
SEMS	1.500	1	0	0	0	0	0	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	1.500		0	0	1	0	0	1
Federal RCRA CORRACTS facilities list								
CORRACTS	2.000	1	0	0	1	1	0	3
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	1.500	1	0	0	0	1	0	2
Federal RCRA generators list								
RCRA-LQG	1.250	1	2	0	1	0	0	4
RCRA-SQG	1.250		2	0	1	3	0	6
RCRA-VSQG	1.250		0	0	0	0	0	0
Federal institutional controls / engineering controls registries								
LUCIS	1.500		0	0	0	0	0	0
US ENG CONTROLS	1.500	1	0	0	0	0	0	1
US INST CONTROLS	1.500	1	0	0	0	0	0	1
Federal ERNS list								
ERNS	1.000		16	0	34	10	NR	60
State- and tribal - equivalent NPL								
RESPONSE	2.000		0	0	0	0	1	1
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	2.000	1	0	2	1	3	3	10
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	1.500		2	0	1	0	1	4
State and tribal leaking storage tank lists								
LUST	1.500		1	1	4	12	2	20

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	1.500		0	0	0	0	0	0
CPS-SLIC	1.500		0	0	2	0	0	2
State and tribal registered storage tank lists								
FEMA UST	1.250		0	0	0	0	0	0
UST	1.250	1	6	6	9	11	6	39
AST	1.250	1	1	0	2	2	2	8
INDIAN UST	1.250		0	0	0	0	0	0
State and tribal voluntary cleanup sites								
INDIAN VCP	1.500		0	0	0	0	0	0
VCP	1.500		0	0	0	0	0	0
State and tribal Brownfields sites								
BROWNFIELDS	1.500		0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	1.500		0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	1.500		4	0	1	0	0	5
SWRCY	1.500		0	0	0	1	0	1
HAULERS	1.000		0	0	0	0	NR	0
INDIAN ODI	1.500		0	0	0	0	0	0
ODI	1.500		0	0	0	0	0	0
DEBRIS REGION 9	1.500		0	0	0	0	0	0
IHS OPEN DUMPS	1.500		0	0	0	0	0	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	1.000		0	0	0	0	NR	0
HIST Cal-Sites	2.000	1	0	0	0	0	0	1
SCH	1.250		0	0	1	0	0	1
CDL	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	1.250		4	1	4	6	3	18
Toxic Pits	2.000		0	1	0	0	0	1
US CDL	1.000		0	0	0	0	NR	0
PFAS	1.500	1	1	0	0	1	0	3
Local Lists of Registered Storage Tanks								
SWEEPS UST	1.250		4	3	8	6	3	24
HIST UST	1.250		5	5	10	8	2	30
CERS TANKS	1.250		3	1	3	3	1	11
CA FID UST	1.250		3	0	1	8	2	14
Local Land Records								
LIENS	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	1.000		0	0	0	0	NR	0
DEED	1.500	1	0	0	0	0	0	1
Records of Emergency Release Reports								
HMIRS	1.000		0	0	1	0	NR	1
CHMIRS	1.000		20	3	26	10	NR	59
LDS	1.000		2	0	1	0	NR	3
MCS	1.000		2	1	13	24	NR	40
SPILLS 90	1.000		0	0	0	0	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	1.250	3	3	2	5	14	5	32
FUDS	2.000		0	1	0	3	0	4
DOD	2.000	1	0	0	0	0	0	1
SCRD DRYCLEANERS	1.500		0	0	0	0	0	0
US FIN ASSUR	1.000		0	0	0	0	NR	0
EPA WATCH LIST	1.000		0	0	0	0	NR	0
2020 COR ACTION	1.250		0	0	0	0	0	0
TSCA	1.000		0	0	1	0	NR	1
TRIS	1.000		0	0	0	0	NR	0
SSTS	1.000		0	0	5	0	NR	5
ROD	2.000	1	0	0	0	0	0	1
RMP	1.000		0	0	3	2	NR	5
RAATS	1.000	1	0	0	0	0	NR	1
PRP	1.000	1	0	0	0	0	NR	1
PADS	1.000		0	0	0	0	NR	0
ICIS	1.000	1	2	0	1	0	NR	4
FTTS	1.000		0	1	1	0	NR	2
MLTS	1.000		0	0	0	0	NR	0
COAL ASH DOE	1.000		0	0	0	0	NR	0
COAL ASH EPA	1.500		0	0	0	0	0	0
PCB TRANSFORMER	1.000		0	0	0	0	NR	0
RADINFO	1.000		0	0	0	0	NR	0
HIST FTTS	1.000		0	1	0	0	NR	1
DOT OPS	1.000		0	0	0	0	NR	0
CONSENT	2.000		0	0	0	0	0	0
INDIAN RESERV	2.000		0	0	0	0	0	0
FUSRAP	2.000		0	0	0	0	0	0
UMTRA	1.500		0	0	0	0	0	0
LEAD SMELTERS	1.000		0	0	0	0	NR	0
US AIRS	1.000	1	1	0	1	0	NR	3
US MINES	1.250		0	0	3	1	0	4
ABANDONED MINES	1.250		0	0	1	0	0	1
FINDS	1.000	3	11	7	20	31	NR	72
DOCKET HWC	1.000	1	0	0	0	0	NR	1
ECHO	1.000	3	5	2	9	16	NR	35
UXO	2.000		3	0	3	1	0	7
FUELS PROGRAM	1.250		0	0	0	0	0	0
CA BOND EXP. PLAN	2.000		0	0	0	0	0	0
Cortese	1.500		1	1	3	6	2	13
CUPA Listings	1.250		3	2	7	9	6	27

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	1.250		0	0	0	0	0	0
EMI	1.000		9	2	4	8	NR	23
ENF	1.000		4	0	1	4	NR	9
Financial Assurance	1.000		1	0	1	0	NR	2
HAZNET	1.000	2	17	4	16	36	NR	75
ICE	1.000	1	0	0	0	0	NR	1
HIST CORTESE	1.500		2	0	1	5	2	10
HWP	2.000		0	0	0	1	2	3
HWT	1.250		0	0	0	0	0	0
MINES	1.250		0	0	0	0	0	0
MWMP	1.250		0	0	0	0	0	0
NPDES	1.000		2	2	2	3	NR	9
PEST LIC	1.000		0	0	0	0	NR	0
PROC	1.500		0	0	0	0	0	0
Notify 65	2.000		0	0	0	0	0	0
UIC	1.000		0	0	0	0	NR	0
UIC GEO	1.000		0	0	0	0	NR	0
WASTEWATER PITS	1.500		0	0	0	0	0	0
WDS	1.000		5	0	1	2	NR	8
WIP	1.250		0	0	0	0	0	0
MILITARY PRIV SITES	1.000		0	0	0	0	NR	0
PROJECT	1.000		0	0	0	0	NR	0
WDR	1.000		2	0	0	3	NR	5
CIWQS	1.000		12	2	4	10	NR	28
CERS	1.000		16	3	15	20	NR	54
NON-CASE INFO	1.000		0	0	0	0	NR	0
OTHER OIL GAS	1.000		0	0	0	0	NR	0
PROD WATER PONDS	1.000		0	0	0	0	NR	0
SAMPLING POINT	1.000		0	0	0	0	NR	0
WELL STIM PROJ	1.000		0	0	0	0	NR	0
MINES MRDS	1.000		1	2	4	5	NR	12
HWTS	1.000	4	23	8	21	49	NR	105
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	2.000		0	0	0	0	0	0
EDR Hist Auto	1.125		6	2	2	1	1	12
EDR Hist Cleaner	1.125		0	0	0	0	0	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	1.000		1	0	2	0	NR	3
RGA LUST	1.000		4	0	5	11	NR	20
- Totals --		36	212	66	268	351	44	977

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

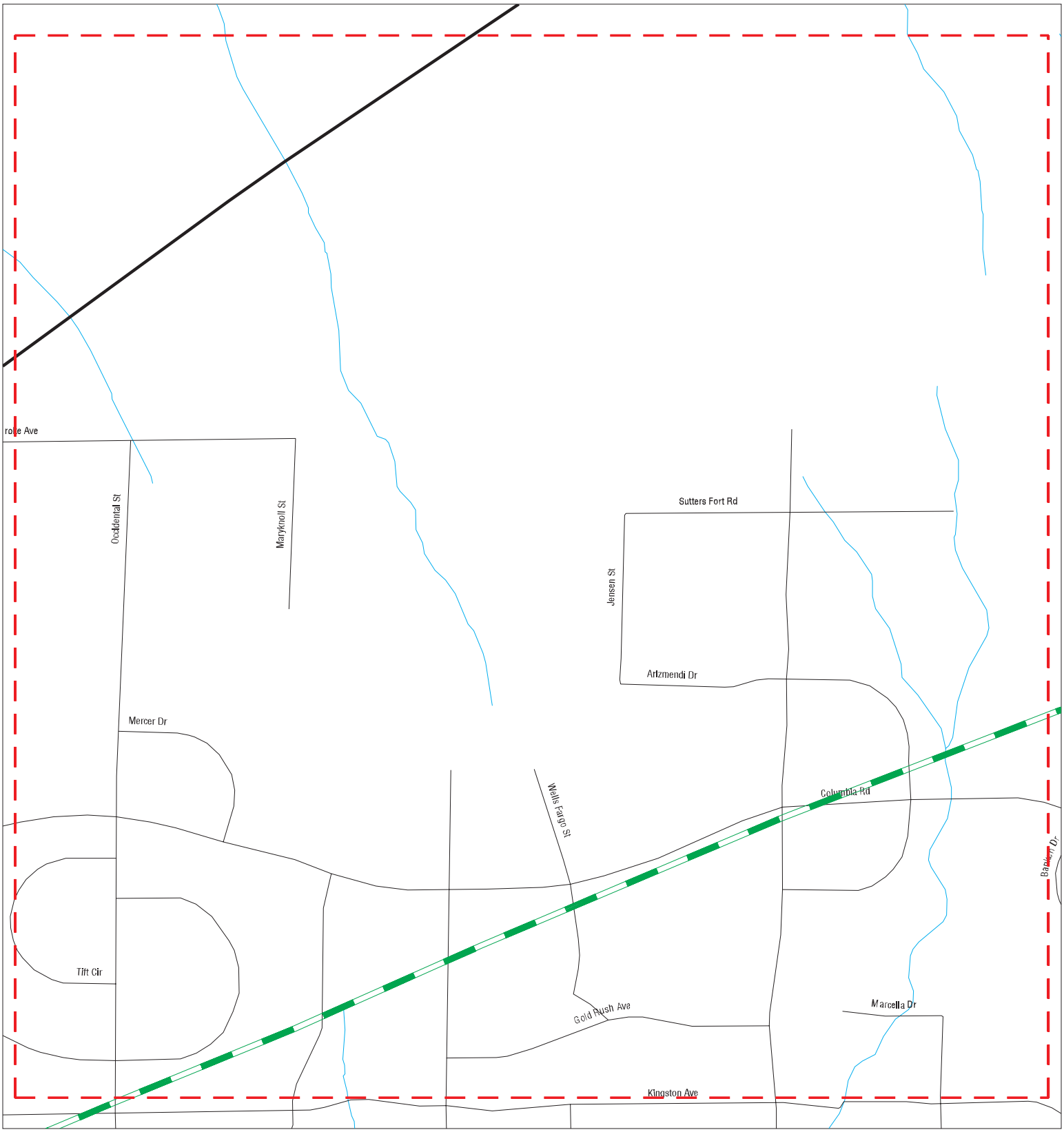
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 06704966.5r



- Sites
- Target Property
- Search Buffer
- Focus Map - No Sites
- Focus Map - Sites
- Power Line
- Pipe Line
- National Priority List Sites
- Areas of Concern
- Dept. Defense Sites
- Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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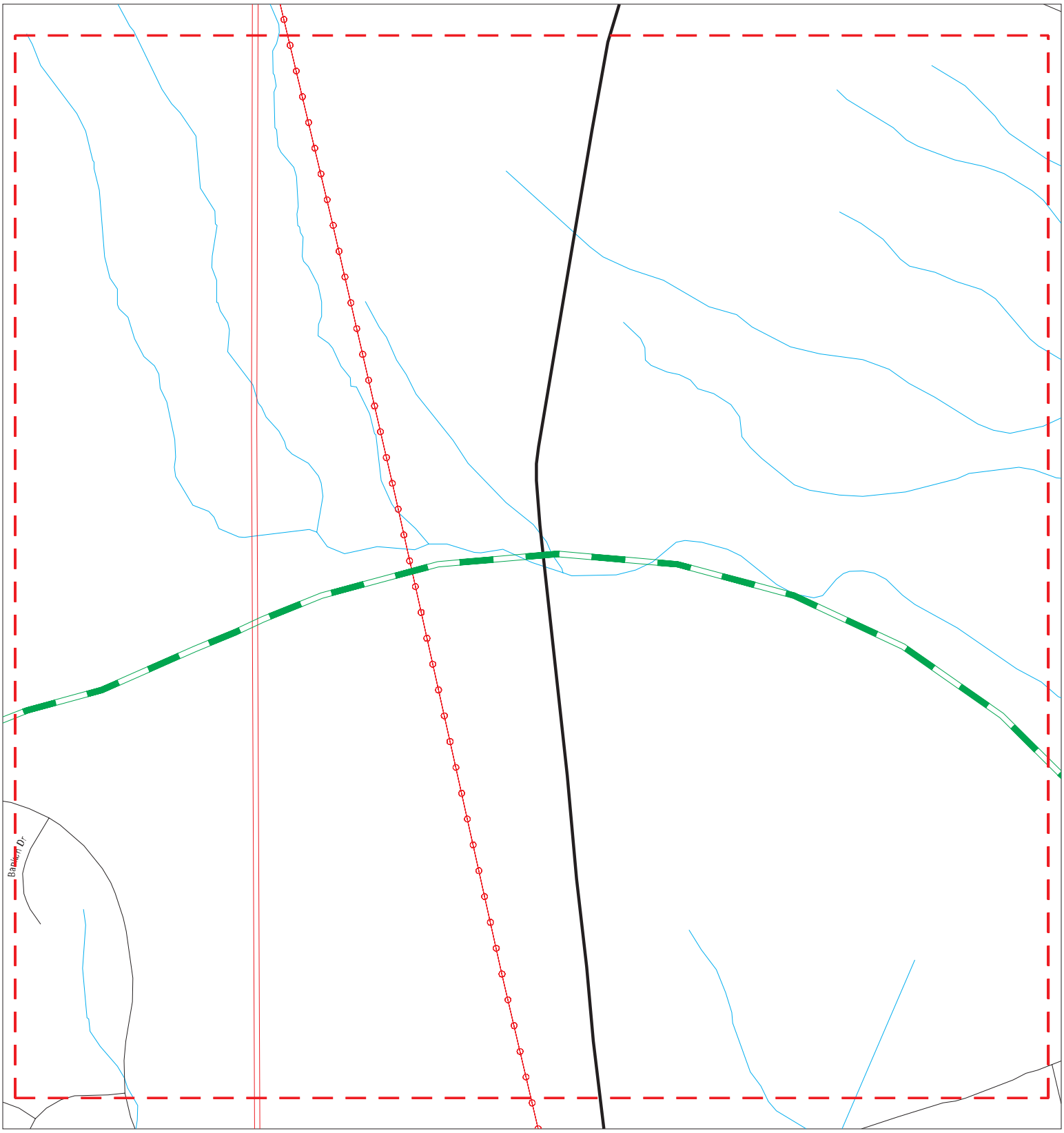
MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 2 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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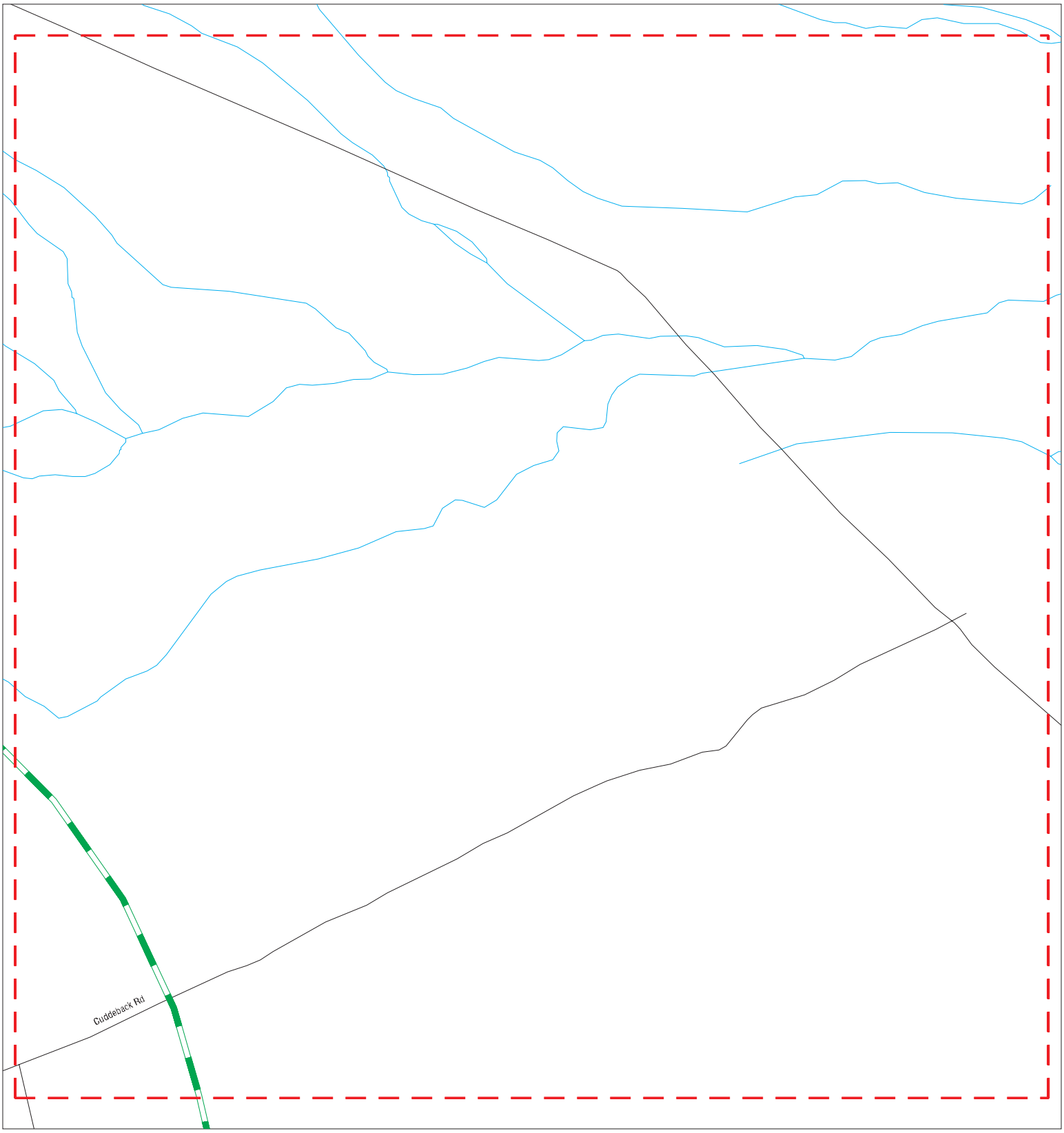
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 3 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project ADDRESS: California City CITY/STATE: Edwards CA ZIP: 93523	CLIENT: Rincon CONTACT: Savanna Vrevich INQUIRY #: 06704966.5r DATE: 10/15/21

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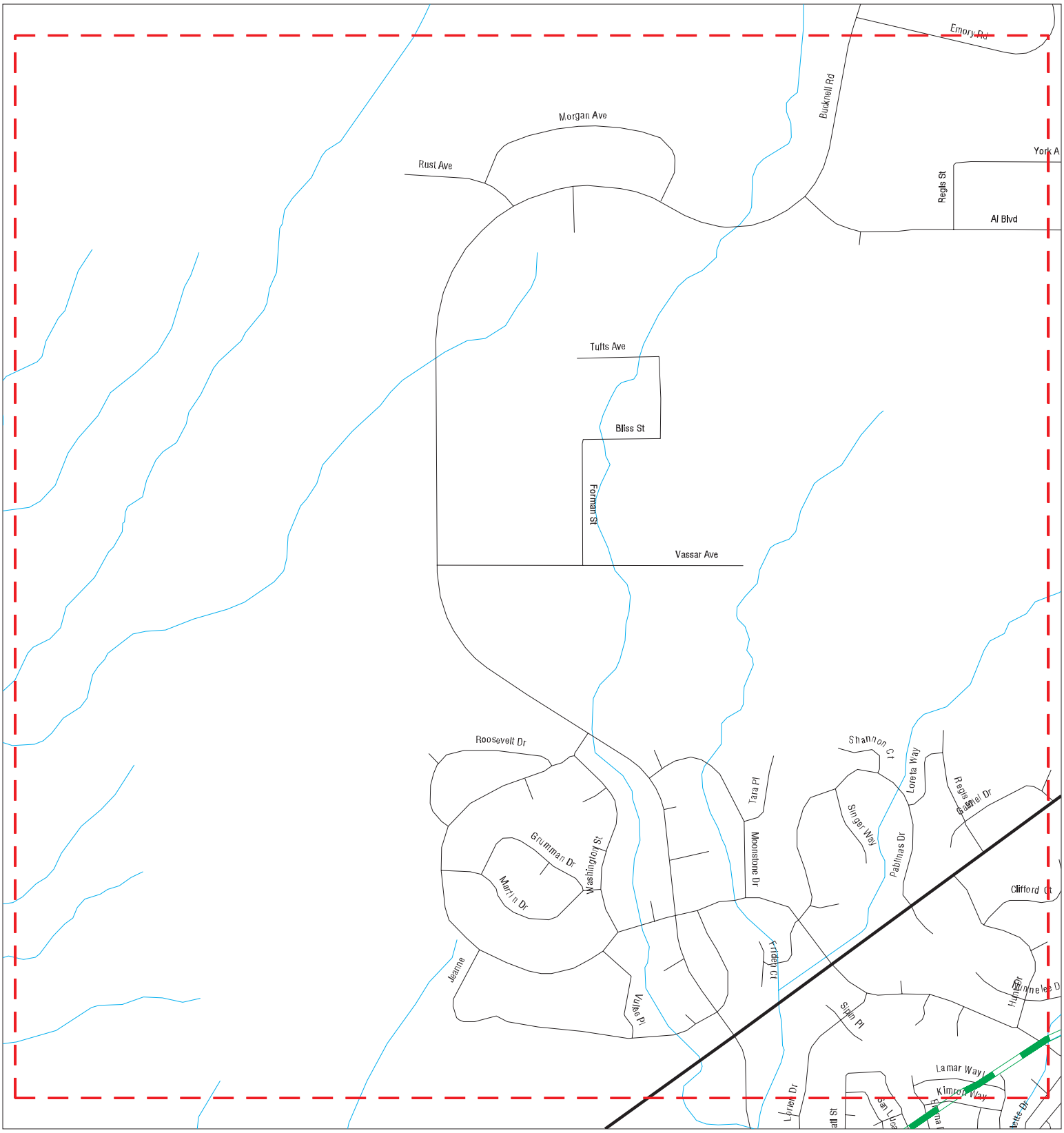
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 4 - 06704966.5r



- Sites
- Target Property
- Search Buffer
- Focus Map - No Sites
- Focus Map - Sites
- Power Line
- Pipe Line
- National Priority List Sites
- Areas of Concern
- Dept. Defense Sites
- Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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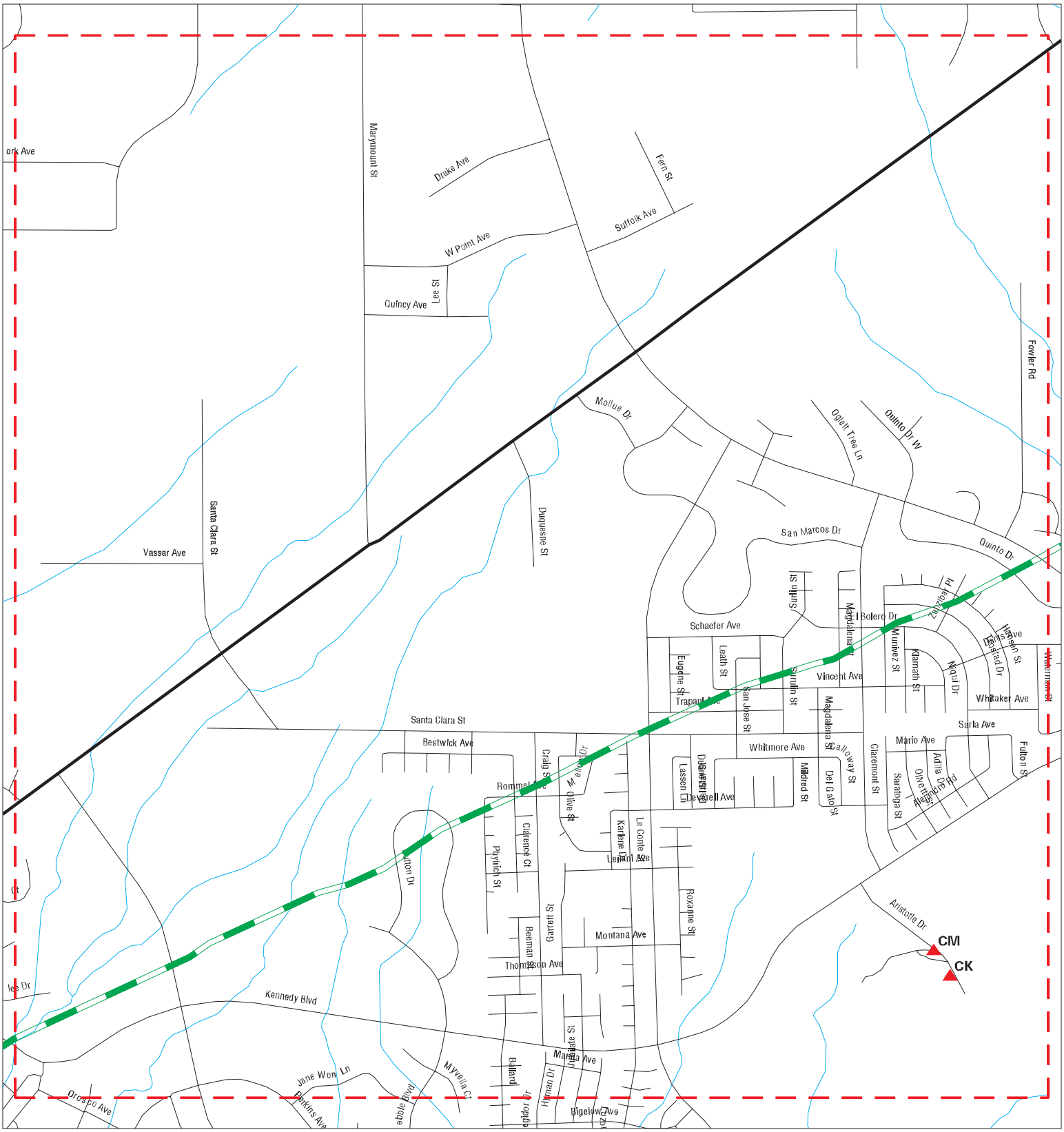
MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 5 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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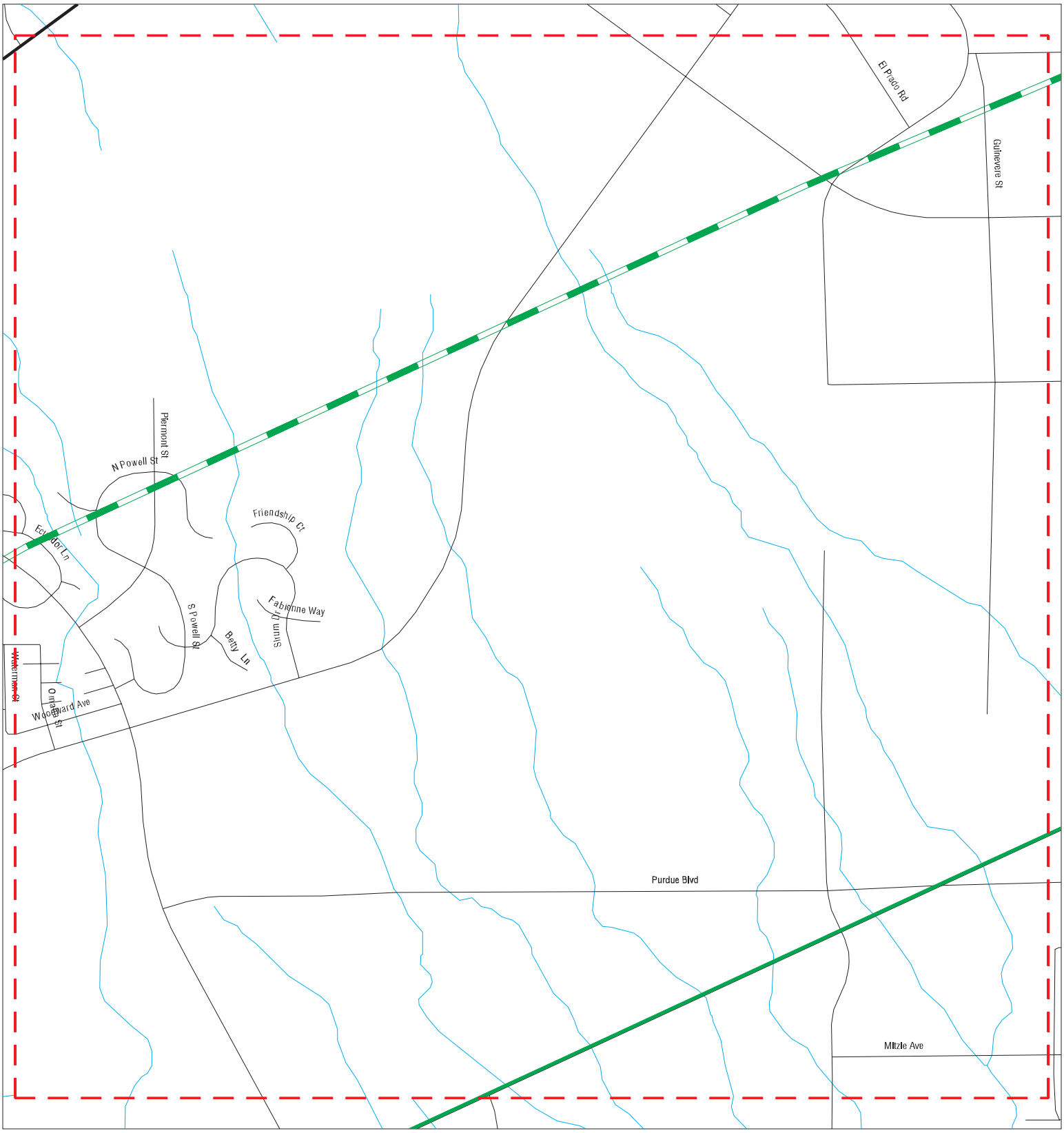
MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
CK632 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE DR	Cortese, HAZNET, HWTS	5717 1.083 North
CK633 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE DR	CUPA Listings, CERS	5717 1.083 North
CK634 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE DR	AST	5717 1.083 North
CK635 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE DR	LUST	5717 1.083 North
CK636 / 5	SILVER SADDLE RANCH	20751 ARISTOTLE	AST	5717 1.083 North
CM642 / 5	SILVER SADDLE RANCH	20755 ARISTOTLE DR	UST	6168 1.168 NNW
CM643 / 5	SILVER SADDLE RANCH	20755 ARISTOTLE DR	CA FID UST	6168 1.168 NNW
CM644 / 5	SILVER SADDLE RANCH	20755 ARISTOTLE DR	SWEEPS UST	6168 1.168 NNW
CM645 / 5	SILVER SADDLE RANCH	20755 ARISTOTLE	HIST CORTESE	6168 1.168 NNW

Focus Map - 6 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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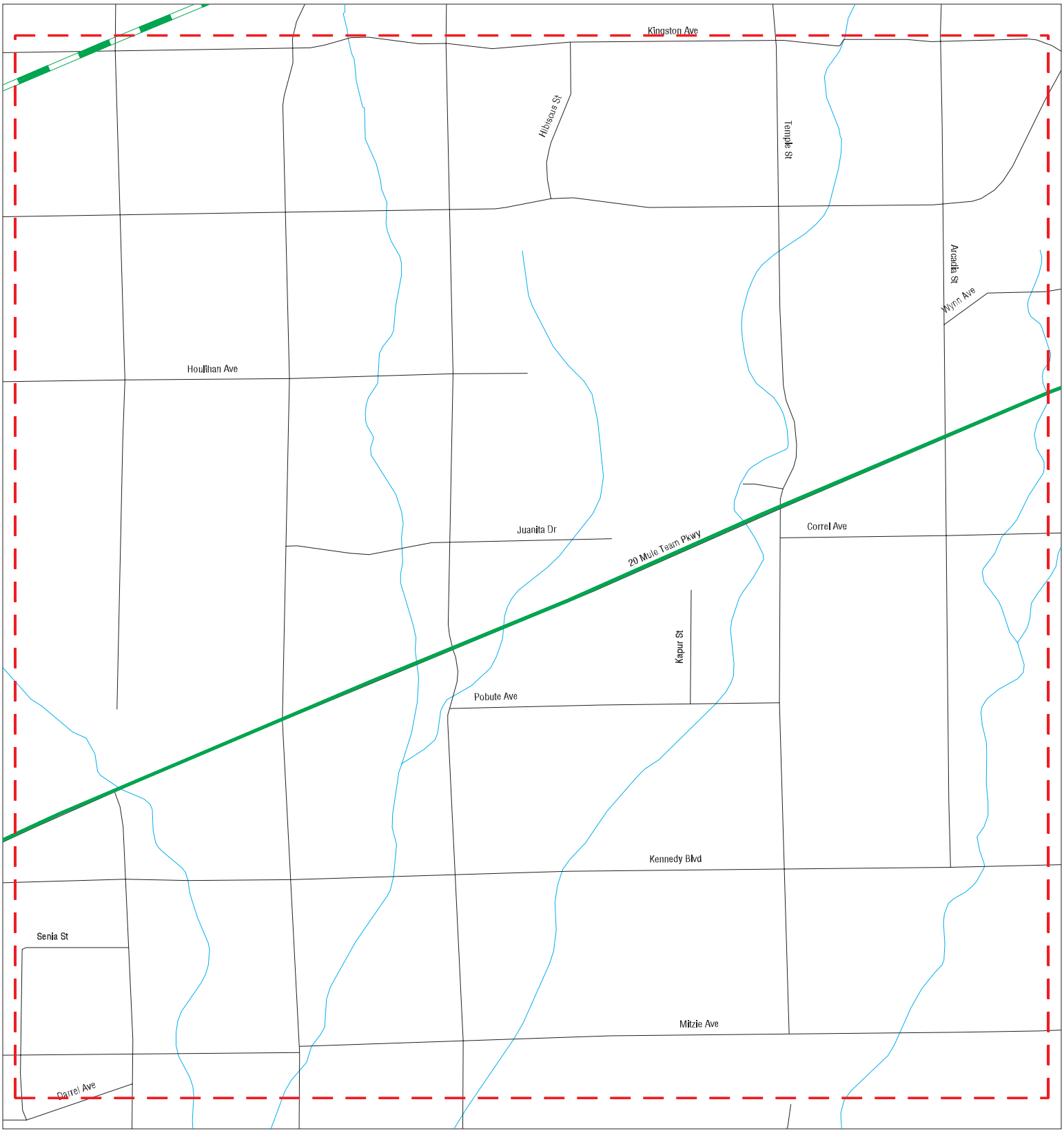
MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 7 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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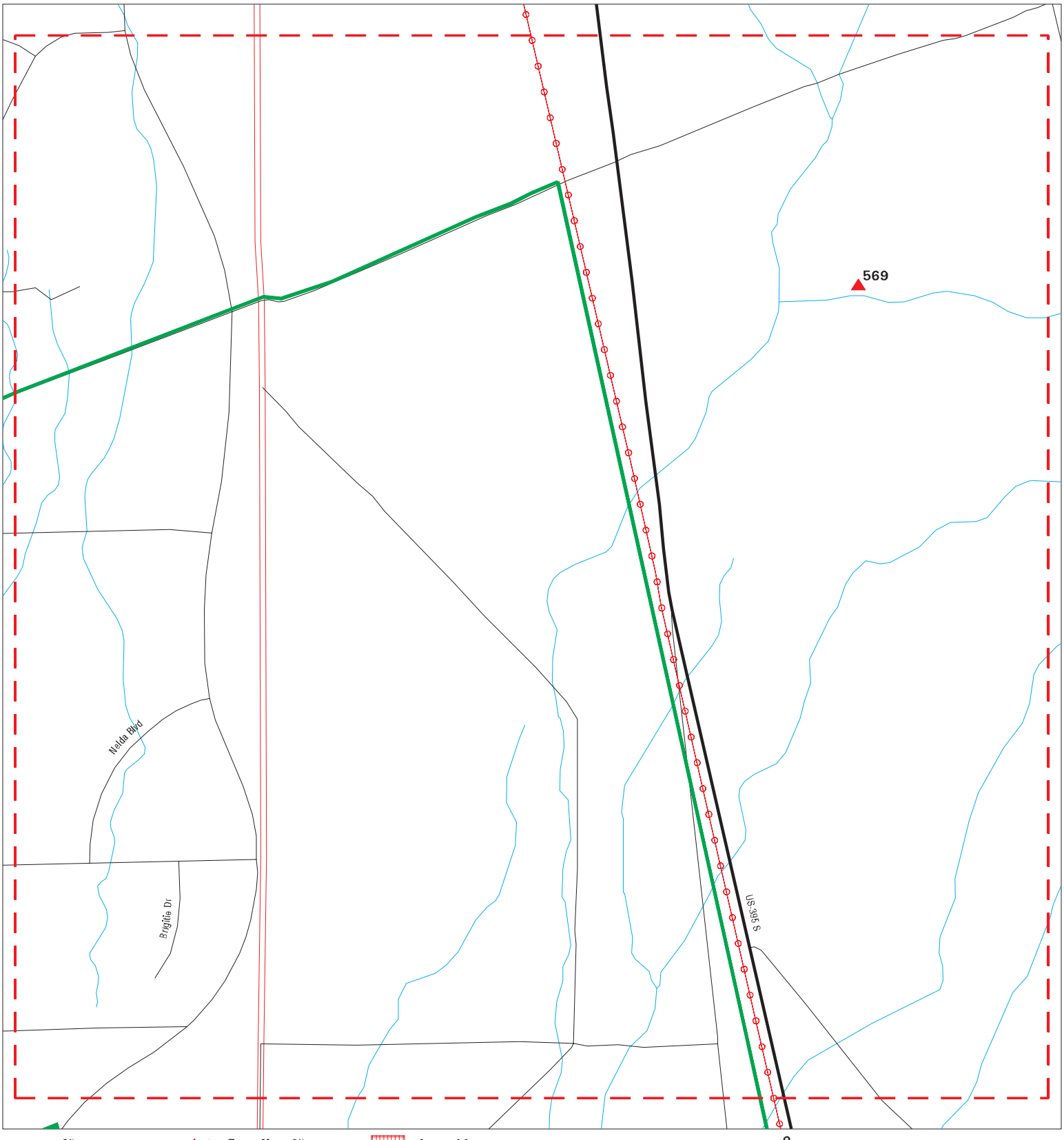
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 8 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project ADDRESS: California City CITY/STATE: Edwards CA ZIP: 93523	CLIENT: Rincon CONTACT: Savanna Vrevich INQUIRY #: 06704966.5r DATE: 10/15/21

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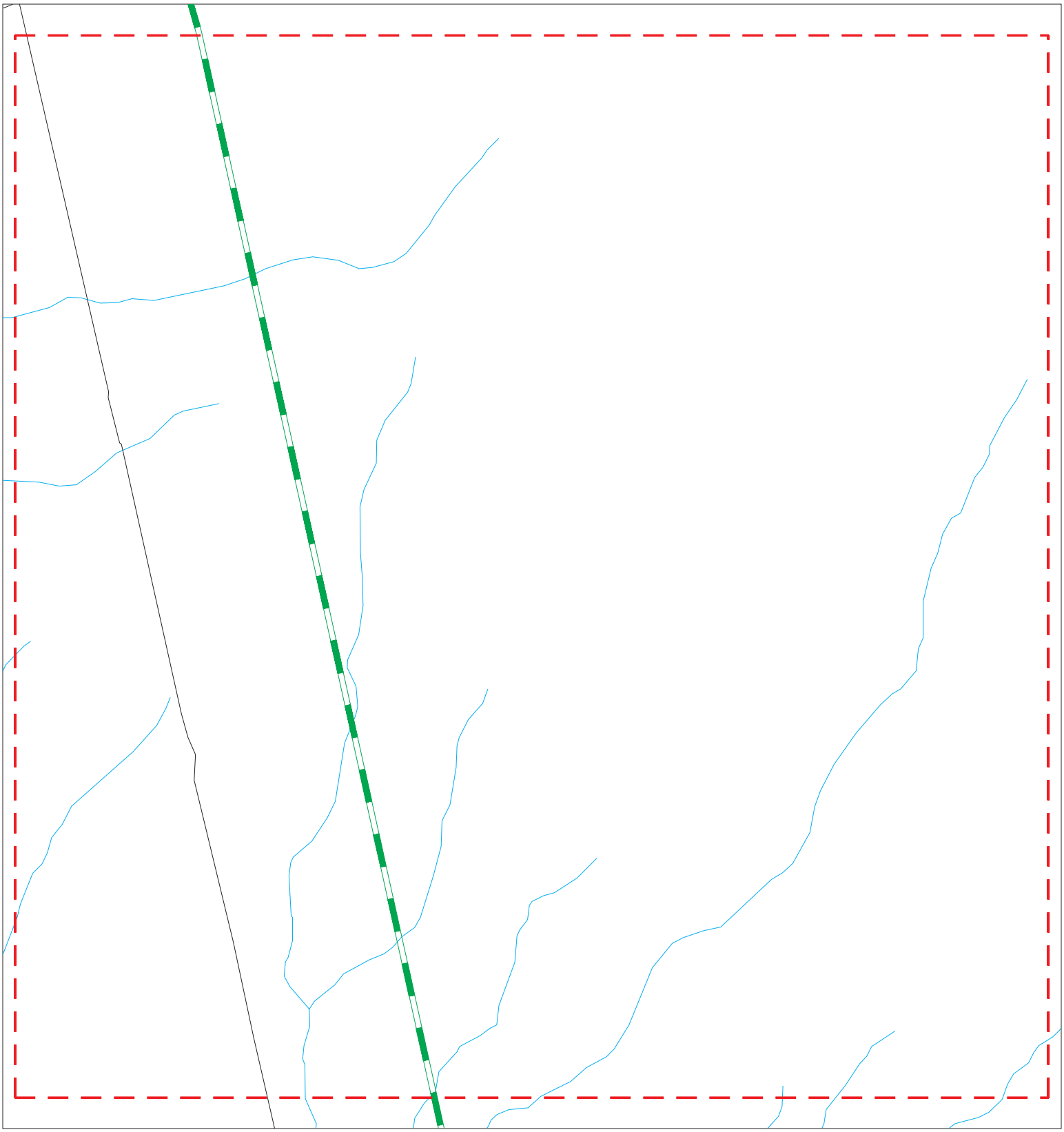
MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
569 / 8	UNNAMED PROSPECT		MINES MRDS	4348 0.823 ENE

Focus Map - 9 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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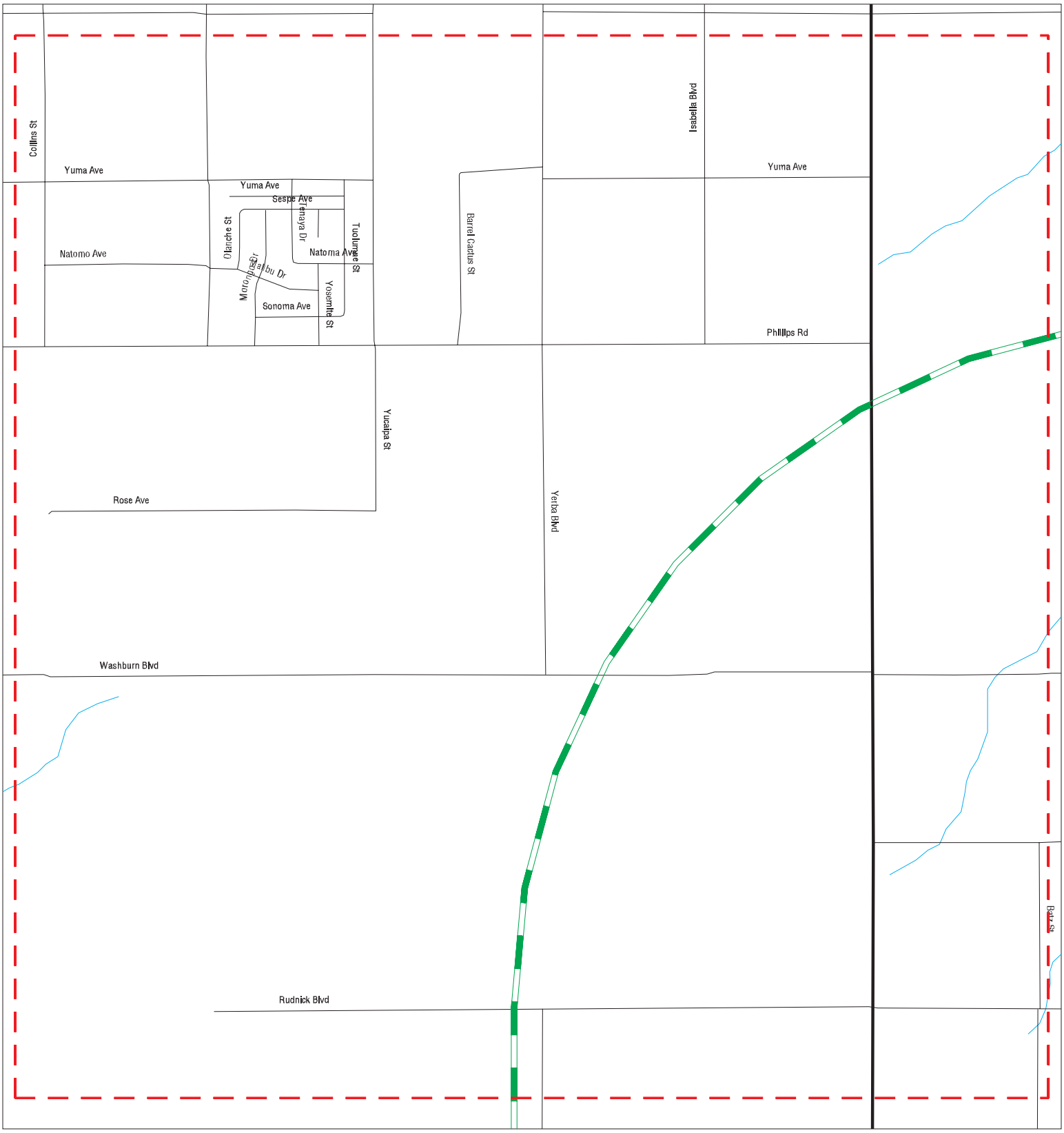
MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 10 - 06704966.5r



SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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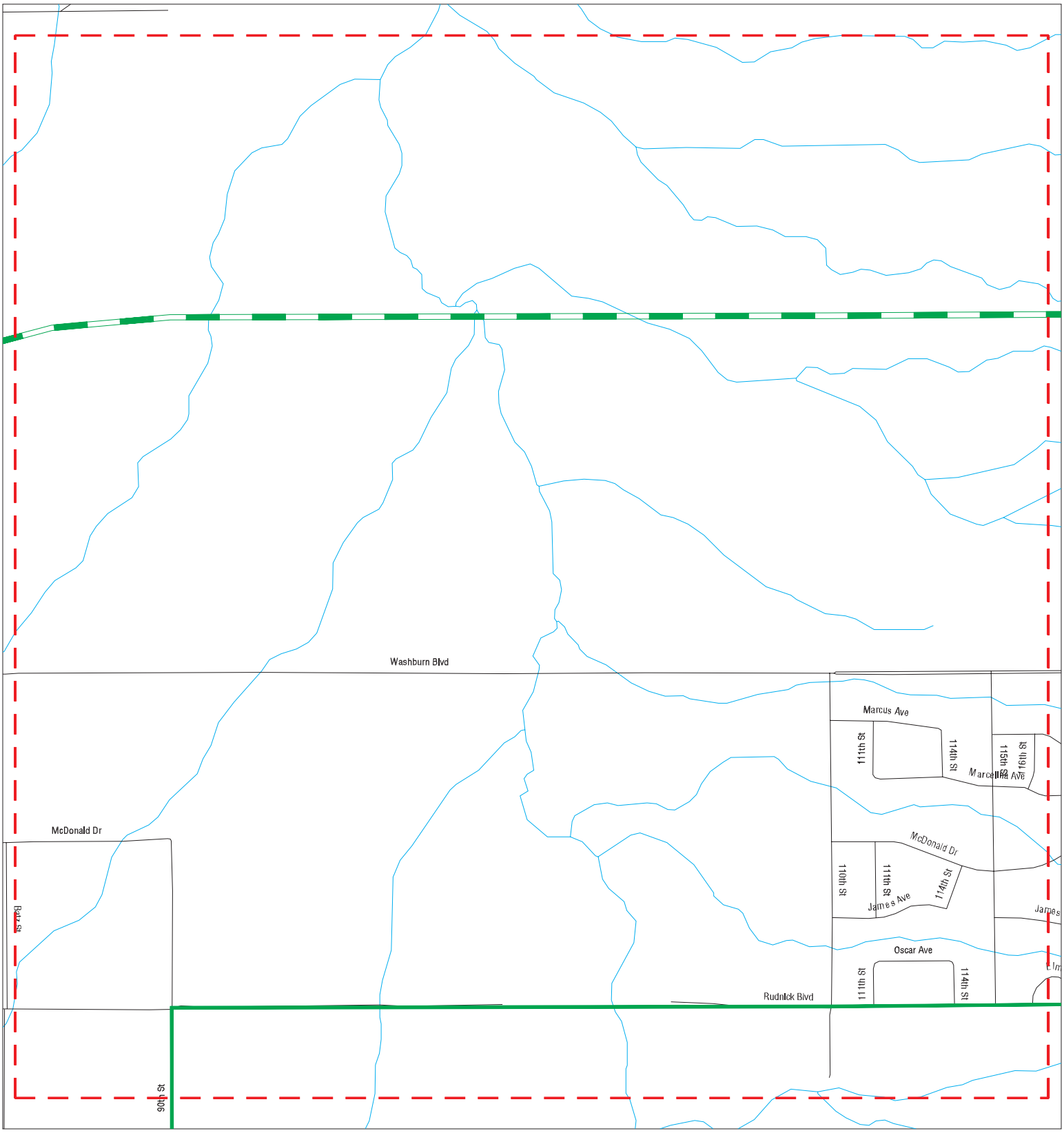
MAPPED SITES SUMMARY - FOCUS MAP 10

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 11 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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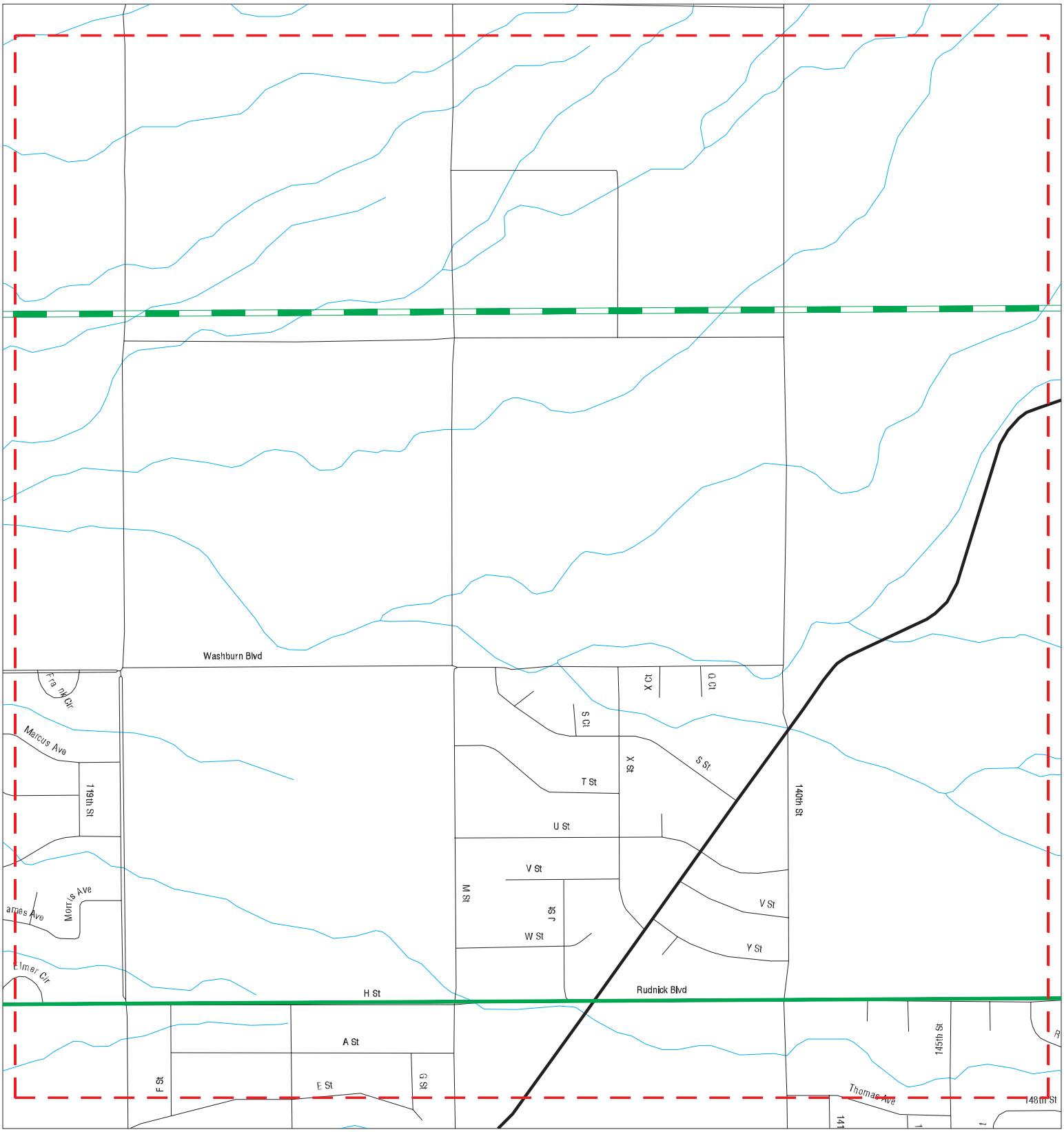
MAPPED SITES SUMMARY - FOCUS MAP 11

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 12 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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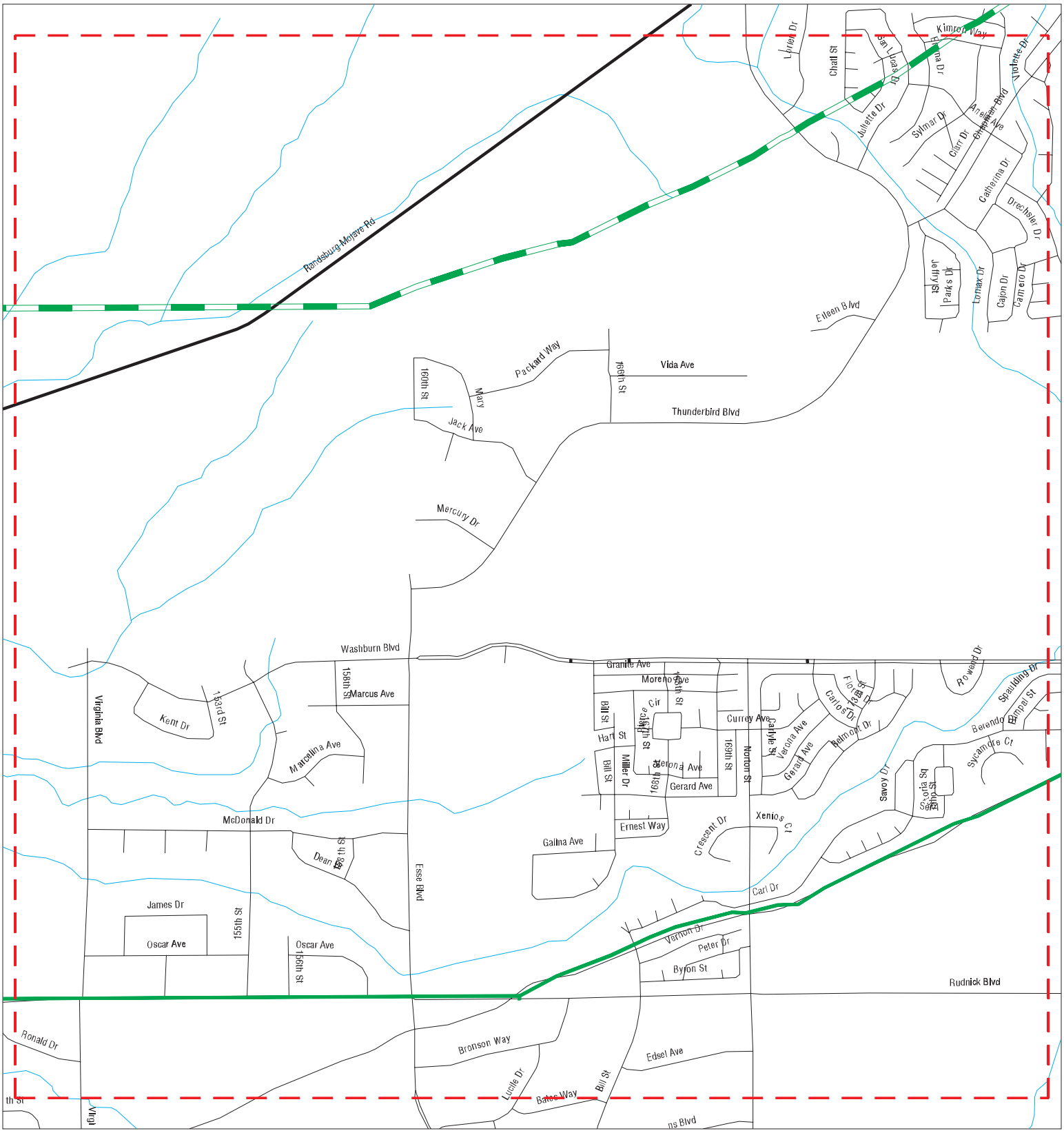
MAPPED SITES SUMMARY - FOCUS MAP 12

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 13 - 06704966.5r



Sites	Focus Map - Sites	Areas of Concern
Target Property	Power Line	Dept. Defense Sites
Search Buffer	Pipe Line	Indian Reservations BIA
Focus Map - No Sites	National Priority List Sites	

0 1/4 1/2 Miles

SITE NAME:	Cal City Project
ADDRESS:	California City
CITY/STATE:	Edwards CA
ZIP:	93523

CLIENT:	Rincon
CONTACT:	Savanna Vrevich
INQUIRY #:	06704966.5r
DATE:	10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 13

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 14 - 06704966.5r

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 14

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 15 - 06704966.5r

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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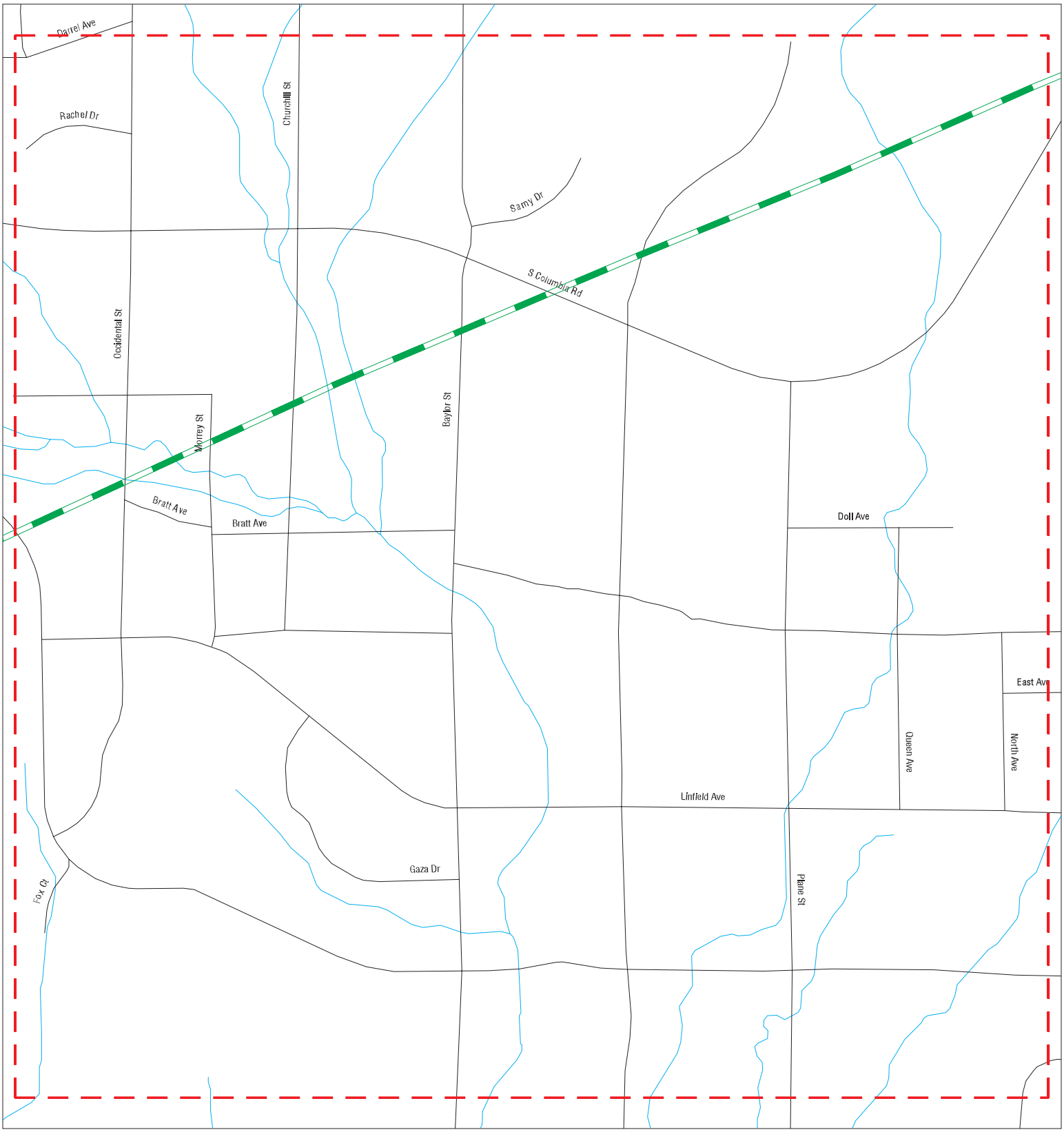
MAPPED SITES SUMMARY - FOCUS MAP 15

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 16 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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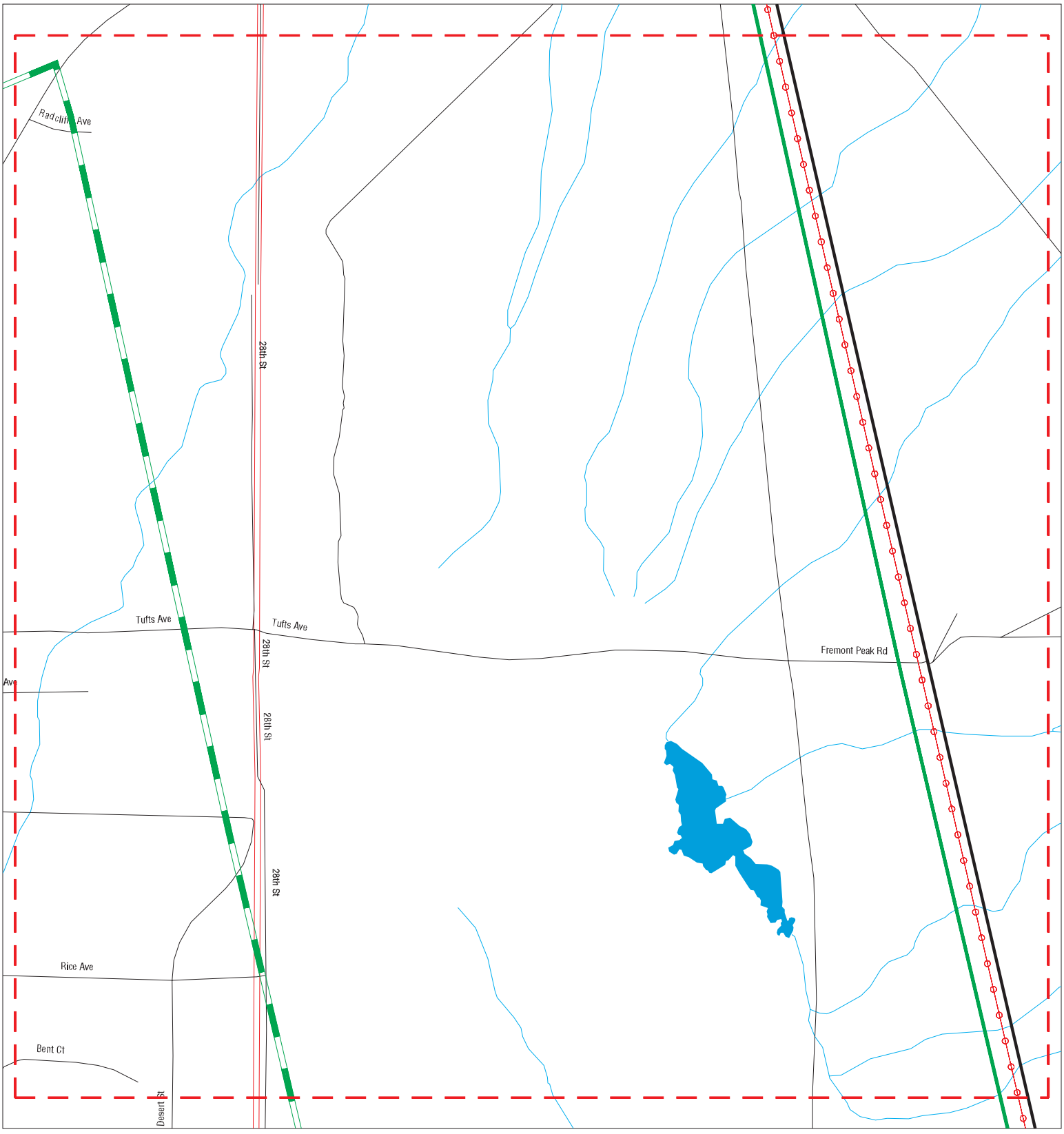
MAPPED SITES SUMMARY - FOCUS MAP 16

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 17 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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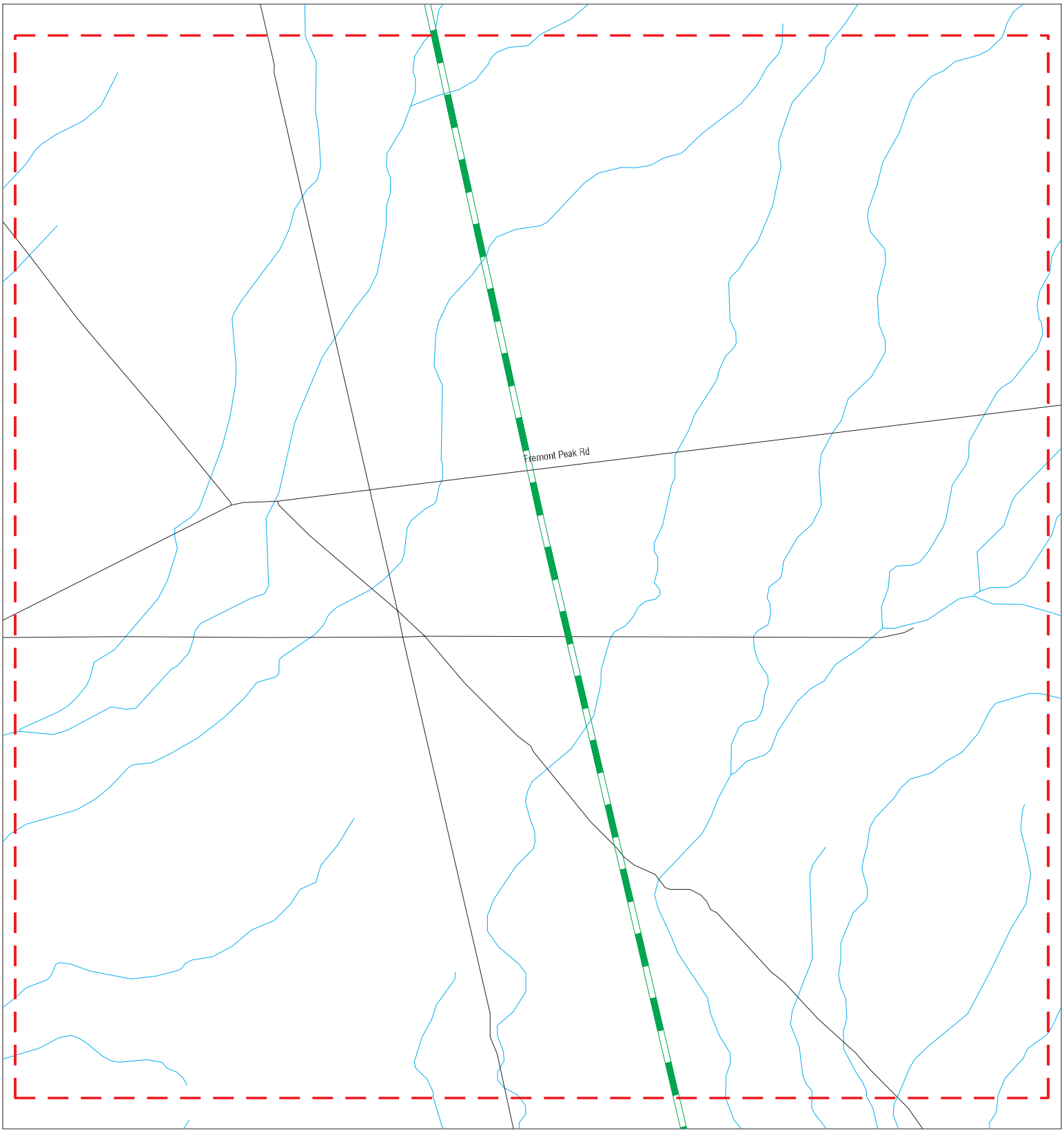
MAPPED SITES SUMMARY - FOCUS MAP 17

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 18 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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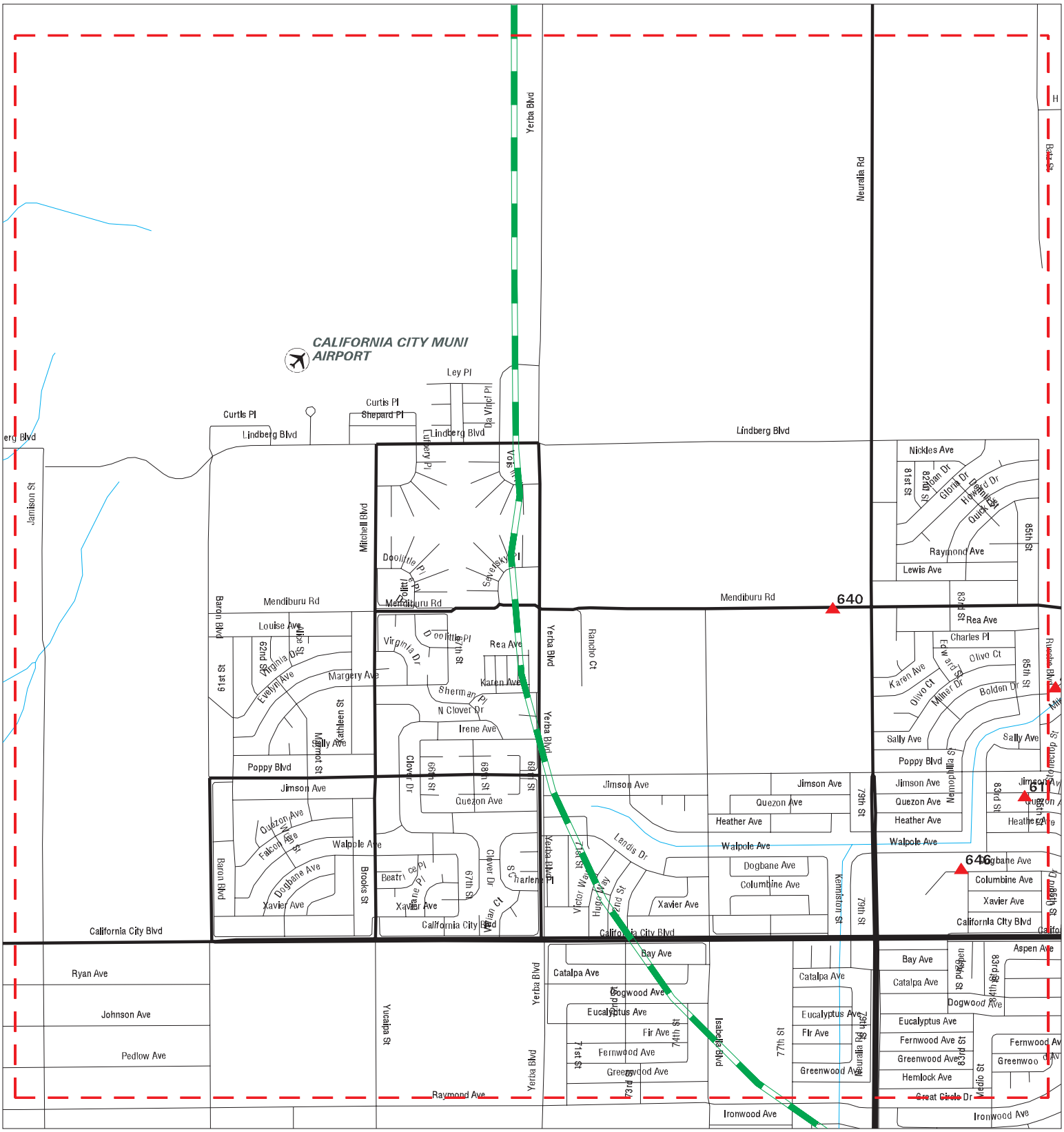
MAPPED SITES SUMMARY - FOCUS MAP 18

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 19 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

SITE NAME:	Cal City Project
ADDRESS:	California City
CITY/STATE:	Edwards CA
ZIP:	93523

CLIENT:	Rincon
CONTACT:	Savanna Vrevich
INQUIRY #:	06704966.5r
DATE:	10/15/21

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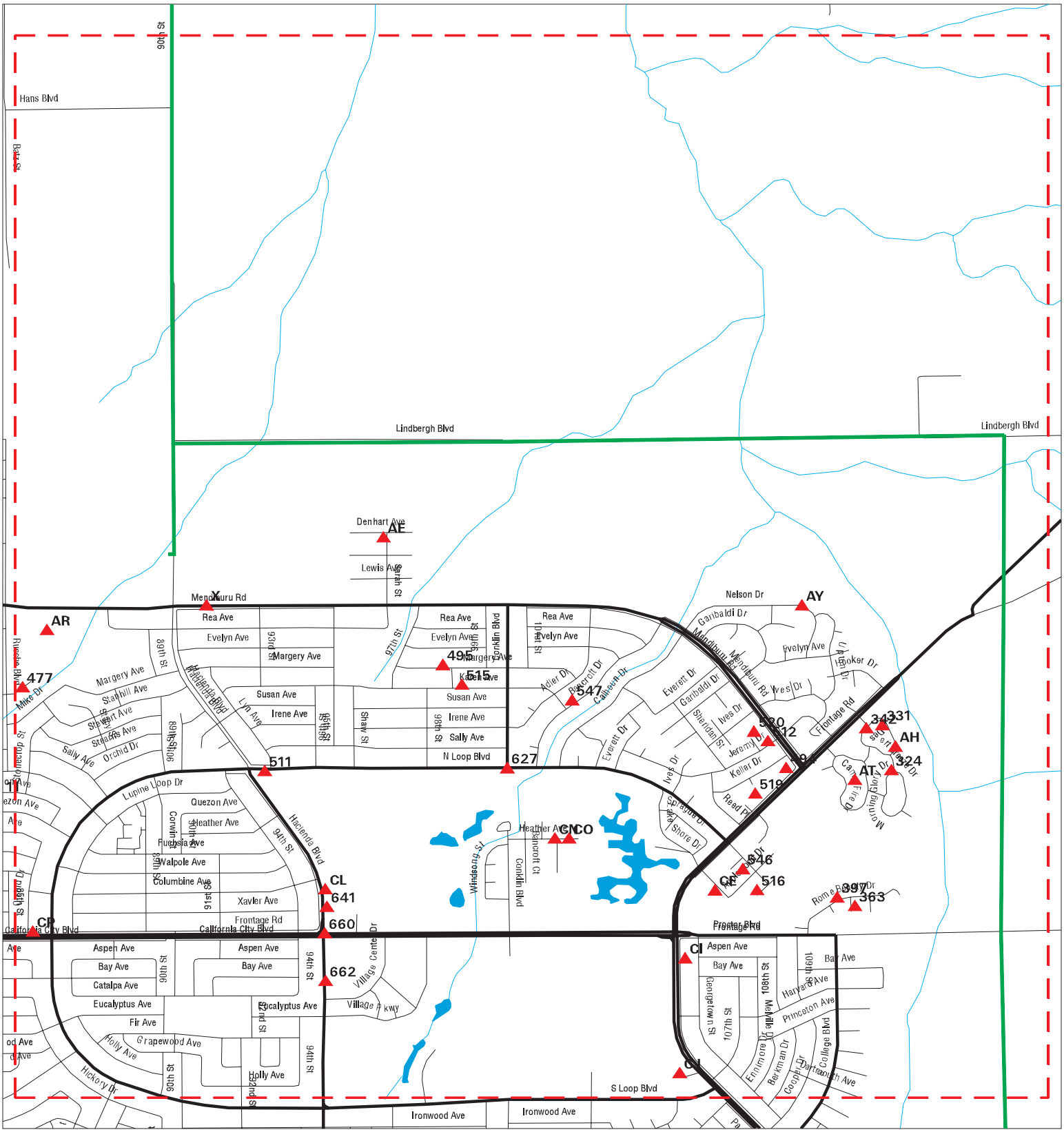
MAPPED SITES SUMMARY - FOCUS MAP 19

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
611 / 19	JIMSON	8436 JIMSON AVE	HAZNET, HWTS	4793 0.908 SW
640 / 19	REGAL GREEN REMEDIES	7875 MENDIBURU RD	CERS HAZ WASTE, CERS	5969 1.130 West
646 / 19	CAL CITY BUSINESS PA	8203 DOGBANE RD	UST	6338 1.200 SW

Focus Map - 20 - 06704966.5r



SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 20

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

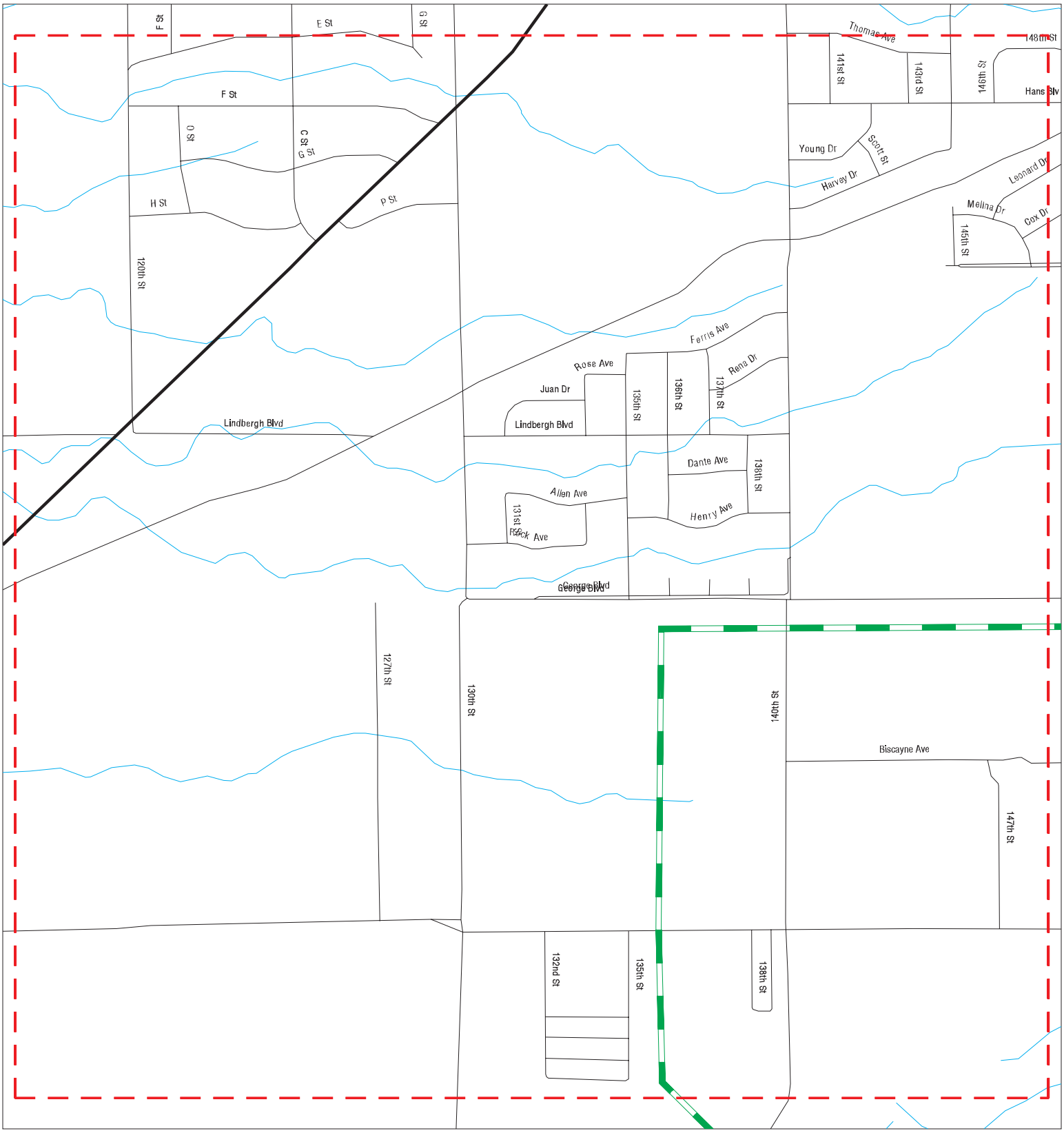
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
X199 / 20	BOLTHOUSE SOLAR	9101 MENDIBURU ROAD	NPDES, CIWQS	961 0.182 SSE
X200 / 20	CALCITY SOLAR 1	9101 MENDIBURU ROAD	FINDS	961 0.182 SSE
AE221 / 20	CALIFORNIA CITY CANN	9650 DENHART AVE	NPDES, CERS	1512 0.286 South
AE222 / 20	CALIFORNIA CITY CANN	9650 DENHART AVE 112	CIWQS	1512 0.286 South
AH315 / 20		230 DESERT BREEZE DR	ERNS	1718 0.325 West
AH316 / 20		230 DESERT BREEZE DR	ERNS	1718 0.325 West
AH317 / 20		230 DESERT BREEZE DR	CHMIRS	1718 0.325 West
324 / 20		387 MORNING GLORY DR	CHMIRS	1779 0.337 West
331 / 20		200 DESERT BREEZE DR	CHMIRS	1929 0.365 West
342 / 20		271 DESSERT BREEZE D	CHMIRS	2187 0.414 West
AR358 / 20	CALIFORNIA CITY HIGH	MENDIBURU ROAD/RUSCH	ENVIROSTOR, SCH	2288 0.433 WSW
AR359 / 20	CALIFORNIA CITY HIGH	MENDIBURU ROAD/RUSCH	CERS	2288 0.433 WSW
363 / 20	AIRWAY TRANSPORT	21030 WINESAP CT	HWTS	2342 0.444 West
AT366 / 20		192 CAMPFIRE DRIVE	CHMIRS	2362 0.447 West
AT375 / 20		187 CAMPFIRE DR.	CHMIRS	2488 0.471 West
AT376 / 20		187 CAMP FIRE DR	CHMIRS	2488 0.471 West
AT377 / 20		187 CAMPFIRE DR.	ERNS	2488 0.471 West
397 / 20	VERONICA LIMON RAMIR	11001 ROME BEAUTY DR	RCRA NonGen / NLR	2630 0.498 West
AY403 / 20	CALIF CITY WASTEWATE	10835 NELSON DR	FINDS	2677 0.507 South
AY404 / 20	CITY OF CALIFORNIA C	10835 NORTH NELSON D	EMI	2677 0.507 South
AY405 / 20	CALIFORNIA CITY CS	10835 NELSON	CERS	2677 0.507 South
AY406 / 20	CALIFORNIA CITY WTF	10835 NELSON DRIVE	PFAS	2677 0.507 South
AY407 / 20	CALIFORNIA CITY WAST	10835 NELSON DR	CERS HAZ WASTE, HAZNET, CERS, HWTS	2677 0.507 South
AY408 / 20	CITY OF CALIFORNIA C	10835 NELSON DR	RCRA NonGen / NLR	2677 0.507 South
AY409 / 20	CITY OF CALIFORNIA C	10835 NELSON DR.	RMP	2677 0.507 South
AY410 / 20	CITY OF CALIFORNIA C	10835 NELSON DRIVE	ECHO	2677 0.507 South
AY411 / 20	CALIFORNIA CITY WAST	10835 NELSON DR	RCRA NonGen / NLR	2677 0.507 South
AY412 / 20	CALIFORNIA CITY WAST	10835 NELSON DR	FINDS, ECHO	2677 0.507 South
AY413 / 20	CALIFORNIA CITY CS	10835 NELSON	FINDS	2677 0.507 South
AY414 / 20	CITY OF CALIFORNIA C	10835 NELSON DRIVE	FINDS	2677 0.507 South
AY415 / 20	CITY OF CALIFORNIA C	10835 NELSON DR	HAZNET, WDR, CIWQS, HWTS	2677 0.507 South
AY416 / 20	CITY OF CALIFORNIA C	10835 NELSON DRIVE	RMP	2677 0.507 South
AY417 / 20	CALIFORNIA CITY CS	10835 NELSON DRIVE	ENF, CIWQS	2677 0.507 South
477 / 20	CALIFORNIA CITY HIGH	8567 BOLDEN AVE	CIWQS	3155 0.598 SW
494 / 20		10808 KELLER DR	CHMIRS	3464 0.656 West
495 / 20	ALFREDO FLORES	9781 MARGERY AVE	HAZNET, HWTS	3564 0.675 South
511 / 20	EAST KERN HEALTH CAR	9300 NORTH LOOP BLVD	HAZNET, HWTS	3756 0.711 SSE
512 / 20	IRAJ FAJIMIAN	10755 JEREMY DR	HAZNET, HWTS	3762 0.712 West
515 / 20	JASON MARKIEWITZ	9849 KAREN AVE	HAZNET, HWTS	3878 0.734 South

MAPPED SITES SUMMARY - FOCUS MAP 20

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
516 / 20		21361 BALDWIN LN.	CHMIRS	3914	0.741	West
519 / 20		21441 HECTOR COURT	CHMIRS	3956	0.749	West
520 / 20	ANDY BARTOSOVKY	10733 JEREMY CT	HAZNET, HWTS	3984	0.755	West
546 / 20		21446 JONATHAN	CHMIRS	4145	0.785	West
547 / 20		21671 BANCROFT DR	CHMIRS	4149	0.786	South
CE601 / 20	ROCHELL BURTON	10661 APPLEWOOD DR	HWTS	4589	0.869	West
CE602 / 20	ROCHELL BURTON	10661 APPLEWOOD DR	FINDS, ECHO	4589	0.869	West
CE603 / 20	ROCHELL BURTON	10661 APPLEWOOD DR	RCRA NonGen / NLR	4589	0.869	West
CI614 / 20	JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	HWTS	5067	0.960	West
CI615 / 20	ARMANDO PLIEGO	20917 CALIFORNIA CIT	RCRA NonGen / NLR	5067	0.960	West
CI616 / 20	ARMANDO PLIEGO	20917 CALIFORNIA CIT	HAZNET, HWTS	5067	0.960	West
CI617 / 20	JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	ECHO	5067	0.960	West
CI618 / 20	JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	FINDS	5067	0.960	West
CI619 / 20	ARMANDO PLIEGO	20917 CALIFORNIA CIT	FINDS, ECHO	5067	0.960	West
CI620 / 20	JOSE BRIOSO CONSTRUC	20917 CALIFORNIA CIT	RCRA NonGen / NLR	5067	0.960	West
CJ622 / 20	DENNIS AUTOMOTIVE	10521 YALE AVE	FINDS	5197	0.984	West
CJ623 / 20	DENNIS AUTOMOTIVE &	10521 YALE AVE	FINDS, ECHO	5197	0.984	West
CJ624 / 20	DENNIS AUTOMOTIVE &	10521 YALE AVE	HWTS	5197	0.984	West
CJ625 / 20	DENNIS AUTOMOTIVE	10521 YALE AVE	CERS HAZ WASTE, CUPA Listings, CERS	5197	0.984	West
CJ626 / 20	DENNIS AUTOMOTIVE &	10521 YALE AVE	RCRA NonGen / NLR	5197	0.984	West
627 / 20	NORTH LOOP EST	NORTH LOOP AND CONKL	NPDES, CIWQS	5223	0.989	South
CL638 / 20	T-MOBILE WEST, LLC S	21130 HACIENDA BLVD	CUPA Listings, CERS	5882	1.114	SSE
CL639 / 20	VERIZON WIRELESS CAL	21130 HACIENDA BOULE	CUPA Listings	5882	1.114	SSE
641 / 20	CHEMICAL SAFETY	15 CLOVERFIELD LN	CERS HAZ WASTE, CERS	6147	1.164	SSE
CN647 / 20	CALIF. CITY PARK MAI	10400 HEATHER (CENTR	HIST UST	6361	1.205	South
CN648 / 20	CALIF. CITY PARK MAI	10400 HEATHER CENTRA	SWEEPS UST, CA FID UST	6361	1.205	South
CN649 / 20	CALIF CITY PARK MAIN	10400 HEATHER (CENTR	HIST UST	6361	1.205	South
CN650 / 20	PARK MAINTENANCE YAR	10400 HEATHER	UST	6361	1.205	South
CO651 / 20	CITY OF CALIF PARKS	10460 HEATHER AVE	CUPA Listings	6364	1.205	South
CO652 / 20	CITY OF CALIF PARKS	10460 HEATHER AVE	UST	6364	1.205	South
CP653 / 20	JAIMESON HILL COMPAN	8601 CALIFORNIA CITY	RCRA NonGen / NLR	6365	1.205	SSW
CP654 / 20	HOWARD'S MINI MART	8601 CALIFORNIA CITY	SWEEPS UST	6365	1.205	SSW
CP655 / 20	#7701 FASTRIP #45	8601 CALIFORNIA CITY	UST	6365	1.205	SSW
CP656 / 20	#7701 FASTRIP #45	8601 CALIFORNIA CITY	CERS HAZ WASTE, CERS TANKS, CUPA Listing...	6365	1.205	SSW
CP657 / 20	FASTRIP #45	8601 CALIFORNIA CITY	UST	6365	1.205	SSW
CP658 / 20	AV AUTO PARTS INC.	8525 CALIFORNIA CITY	RCRA NonGen / NLR	6414	1.215	SSW
660 / 20	MOJAVE GUNNERY RANGE	2 MILE SW OF 21000 H	RESPONSE, ENVIROSTOR, Cortese	6528	1.236	SSE
662 / 20	CALIFORNIA CITY CLEA	20890 HACIENDA BLVD	SWF/LF, HIST UST	7247	1.373	SSE

Focus Map - 21 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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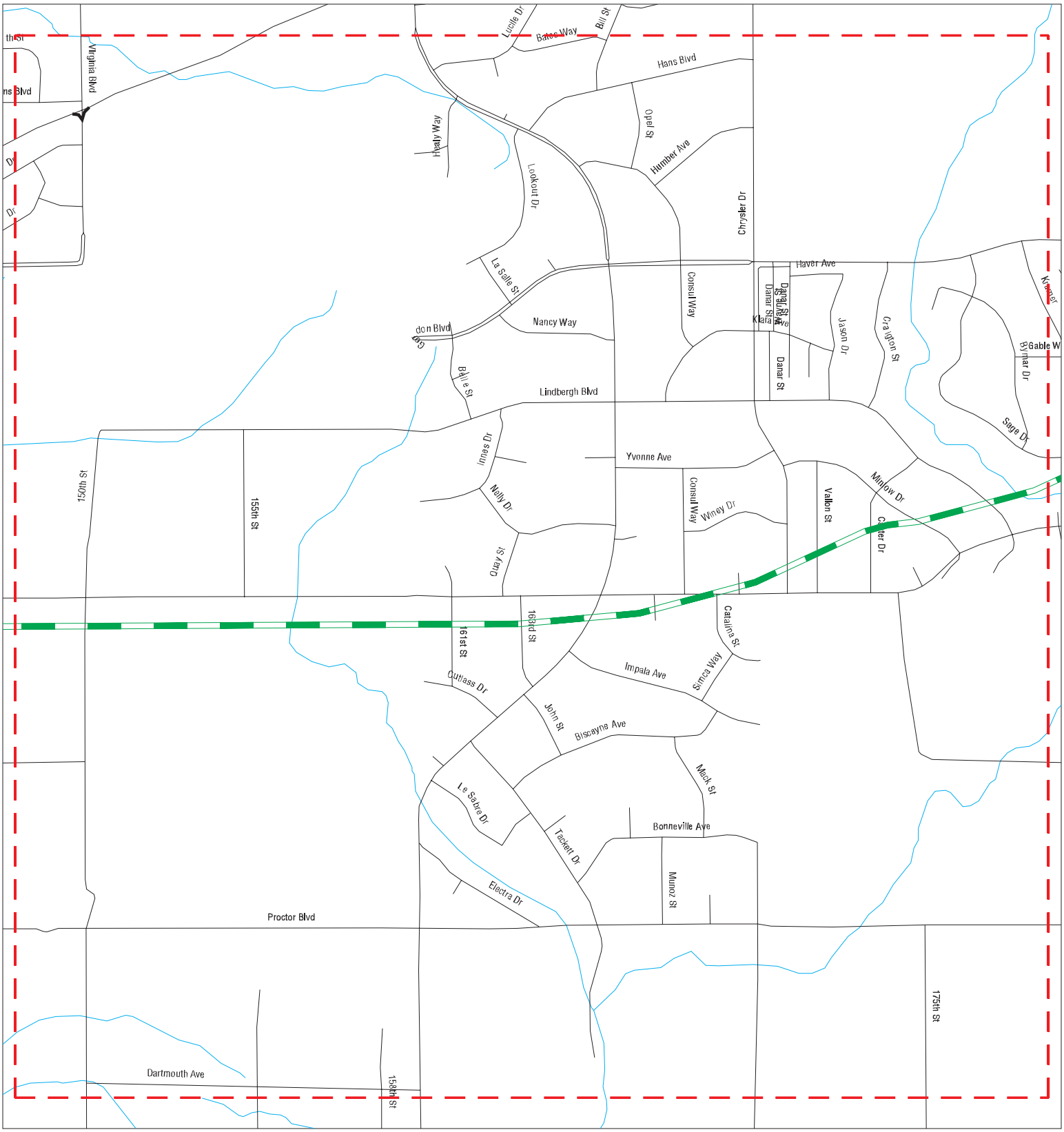
MAPPED SITES SUMMARY - FOCUS MAP 21

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 22 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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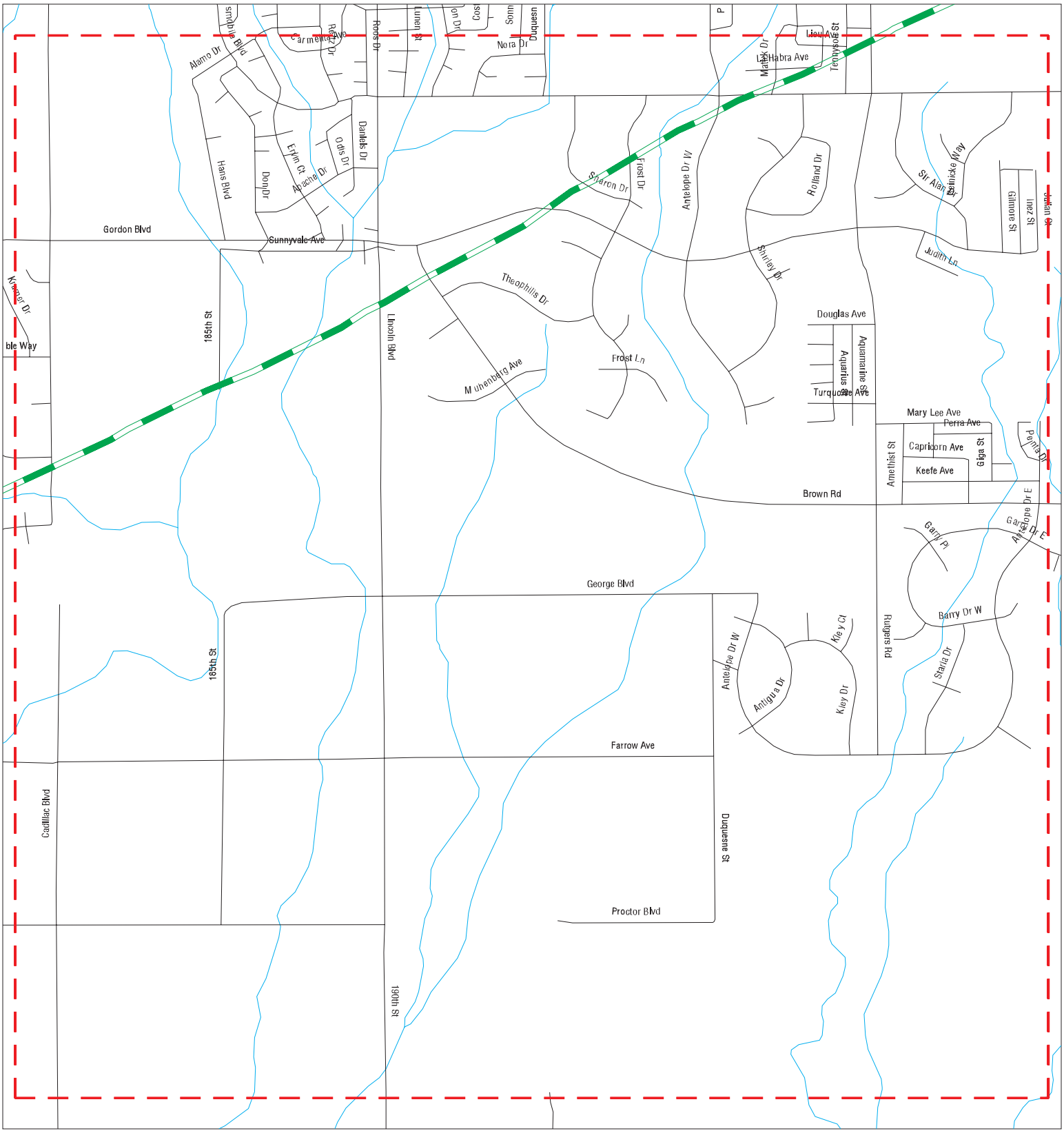
MAPPED SITES SUMMARY - FOCUS MAP 22

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 23 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 23

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 24 - 06704966.5r

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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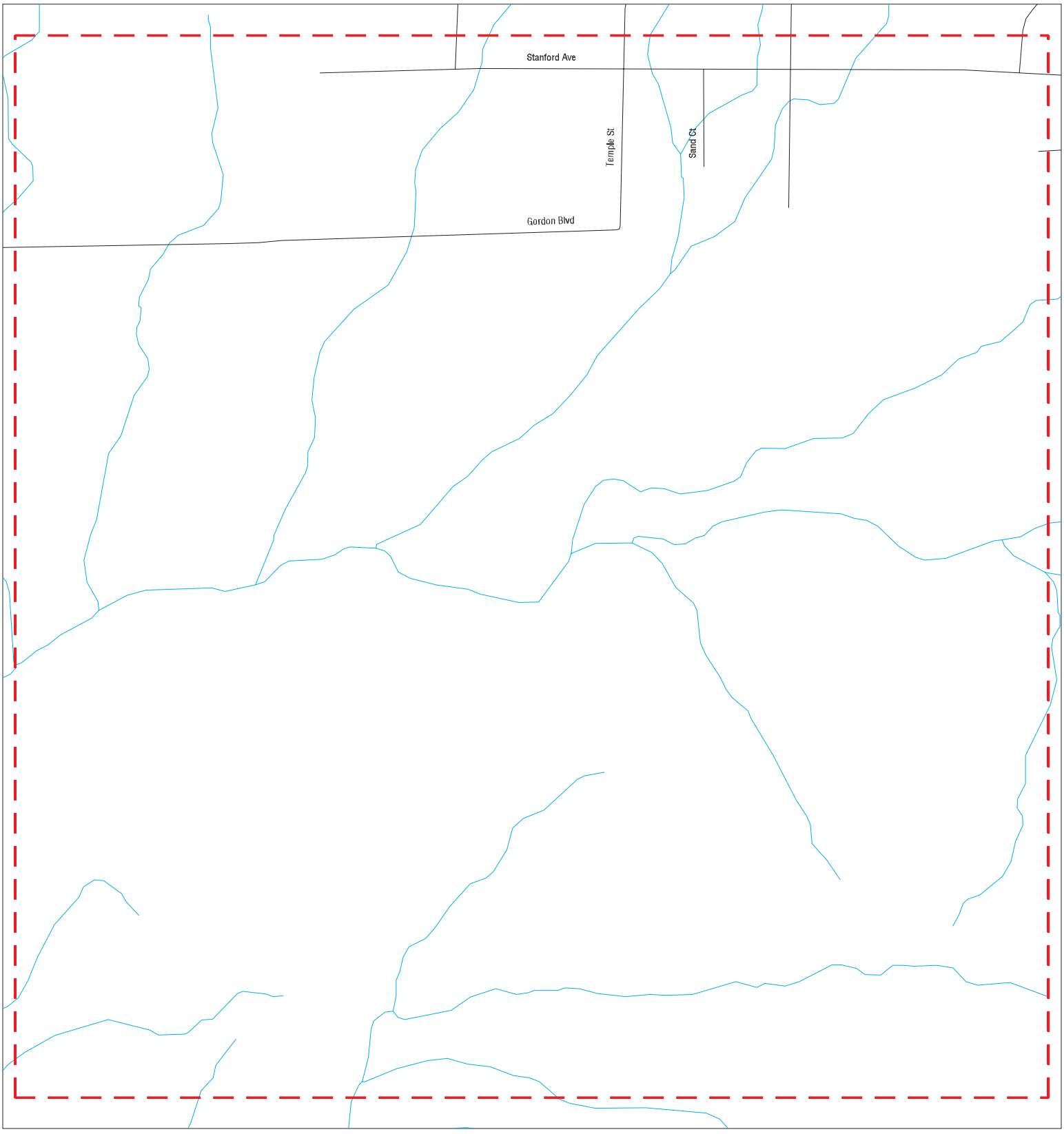
MAPPED SITES SUMMARY - FOCUS MAP 24

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 25 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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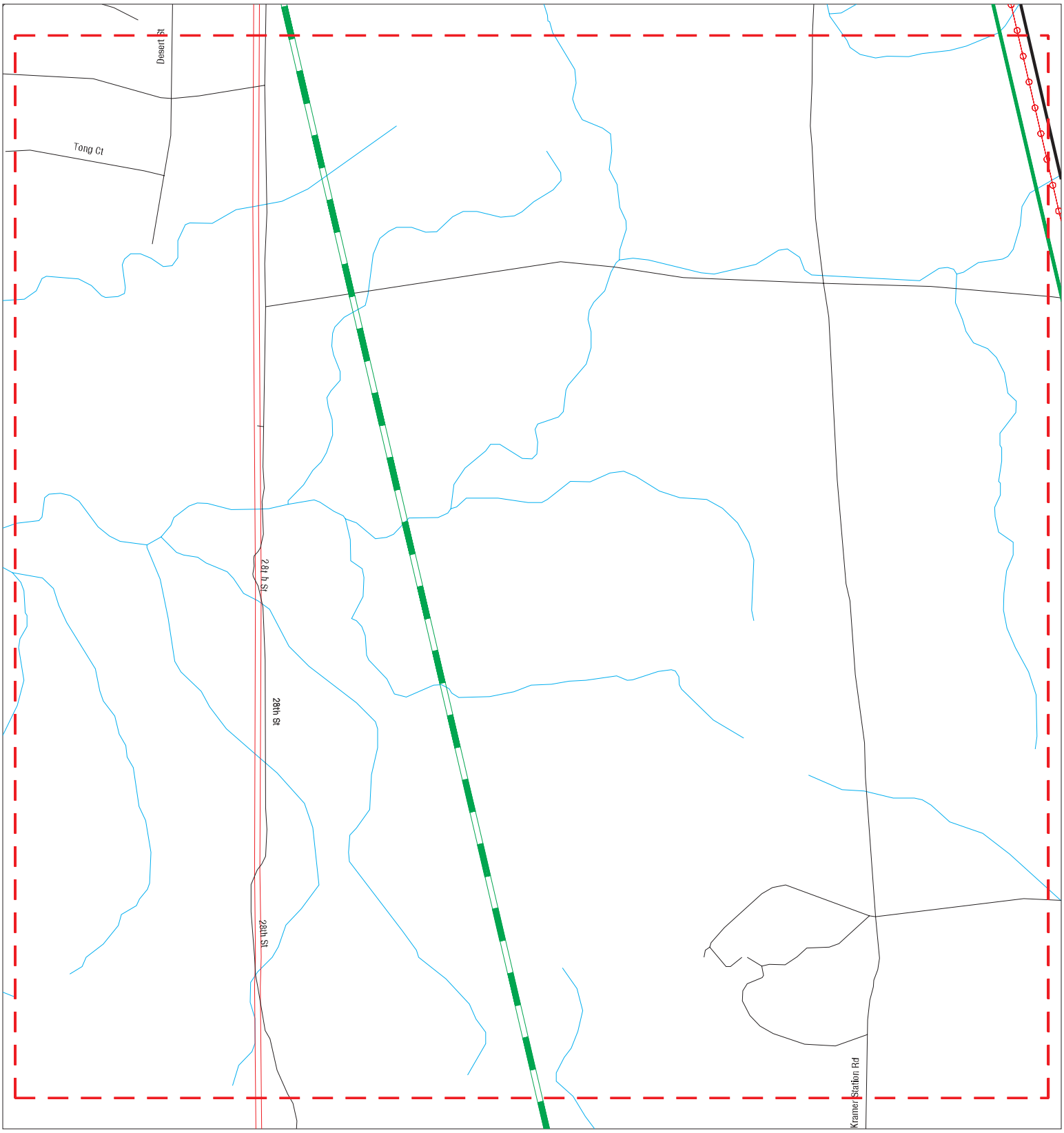
MAPPED SITES SUMMARY - FOCUS MAP 25

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 26 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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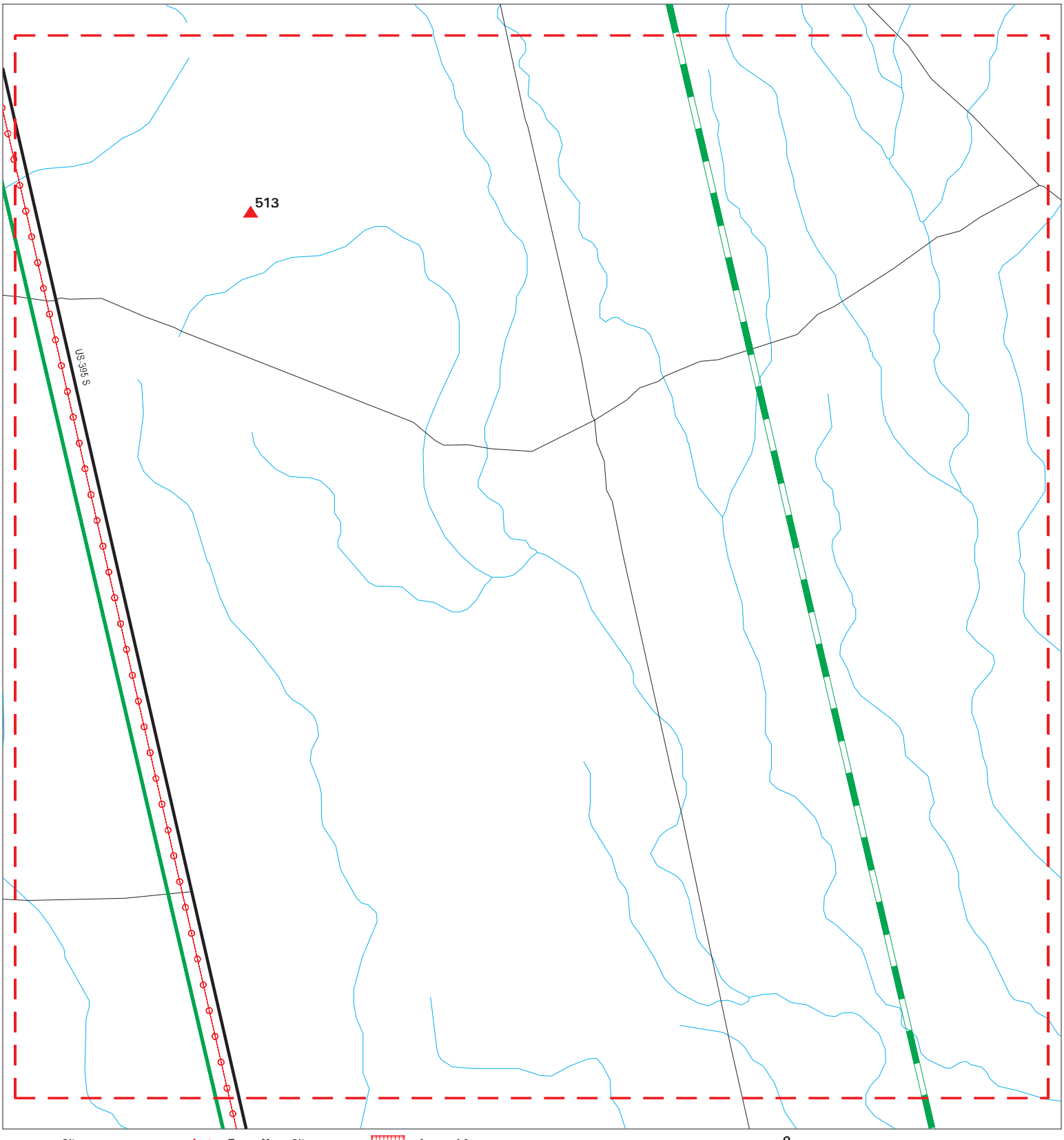
MAPPED SITES SUMMARY - FOCUS MAP 26

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 27 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project ADDRESS: California City CITY/STATE: Edwards CA ZIP: 93523	CLIENT: Rincon CONTACT: Savanna Vrevich INQUIRY #: 06704966.5r DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 27

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
513 / 27	UNNAMED SHAFT		MINES MRDS	3779 0.716 ENE

Focus Map - 28 - 06704966.5r

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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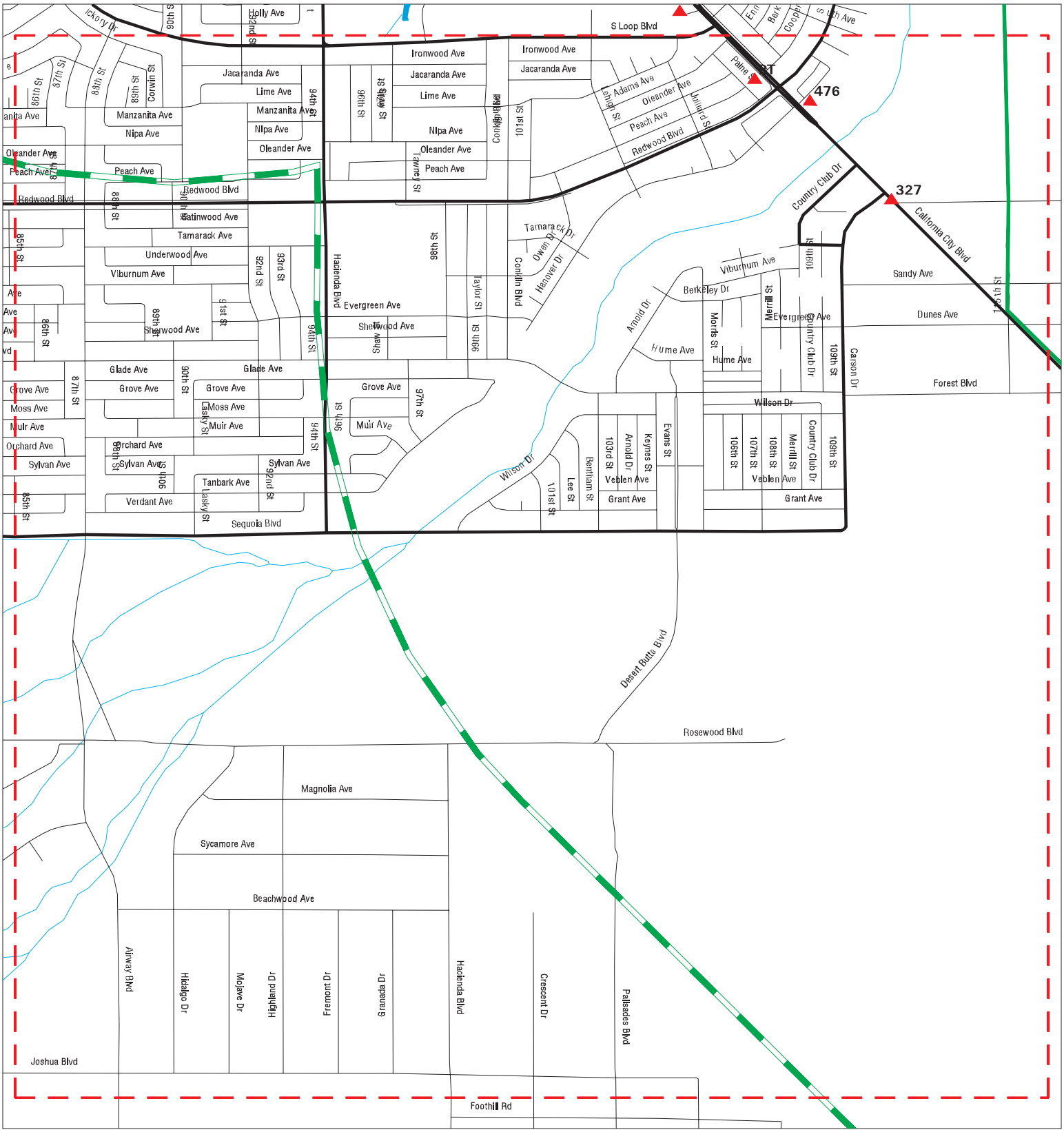
MAPPED SITES SUMMARY - FOCUS MAP 28

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 29 - 06704966.5r



- Sites
- Target Property
- Search Buffer
- Focus Map - No Sites
- Focus Map - Sites
- Power Line
- Pipe Line
- National Priority List Sites
- Areas of Concern
- Dept. Defense Sites
- Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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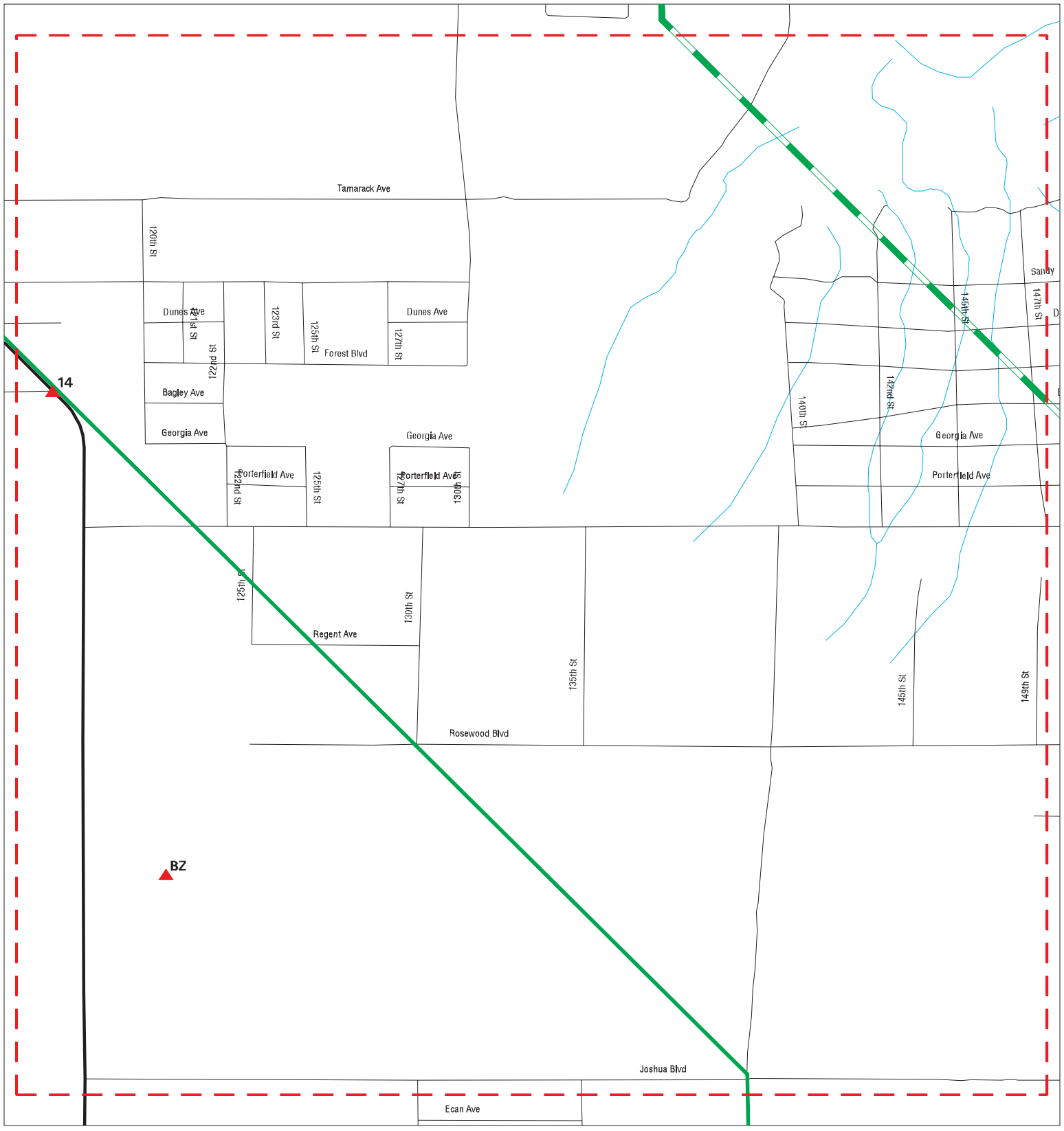
MAPPED SITES SUMMARY - FOCUS MAP 29

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
327 / 29	CHC CALIFORNIA CITY,	20000 BUCKNELL CT	CERS HAZ WASTE, CUPA Listings, CERS	1877	0.355	West
476 / 29	PADRON METAL FINISHI	10856 HANOVER DR	RCRA NonGen / NLR	3145	0.596	West
BT523 / 29	TEXACO EXPRESS LUBE	20400 CALIFORNIA CIT	HAZNET, HWTS	4021	0.762	West
BT524 / 29	CASTROL PREMIUM LUBE	20400 CALIFORNIA CIT	CERS HAZ WASTE, CERS TANKS, CUPA Listing...	4021	0.762	West
BT525 / 29	CASTROL PREMIUM LUBE	20400 CALIFORNIA CIT	FINDS, ECHO	4021	0.762	West
BT526 / 29	CASTROL PREMIUM LUBE	20400 CALIFORNIA CIT	RCRA NonGen / NLR	4021	0.762	West
BT527 / 29	TEXACO EXPRESS LUBE	20400 CALIFORNIA CIT	HAZNET, HWTS	4021	0.762	West

Focus Map - 30 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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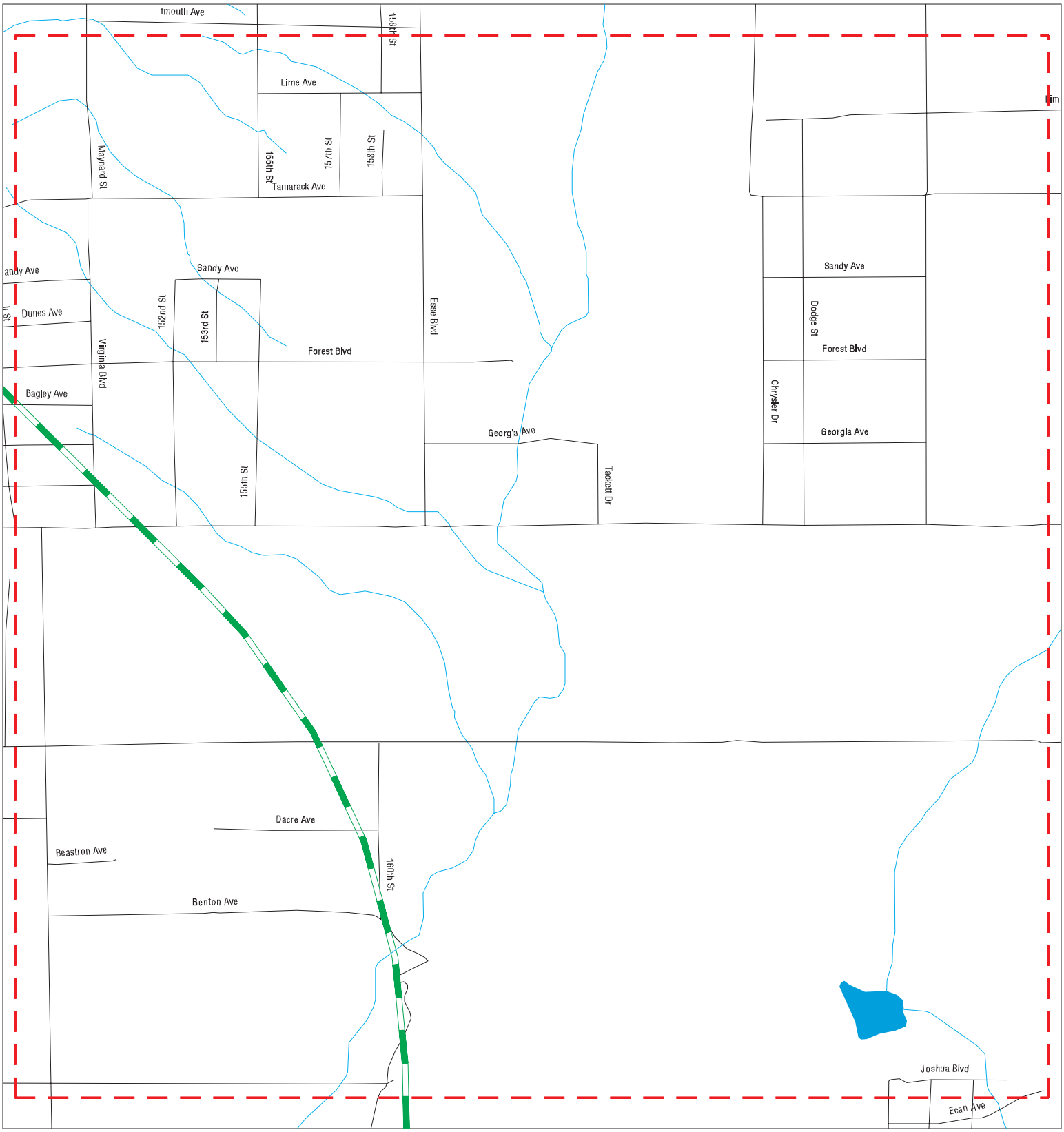
MAPPED SITES SUMMARY - FOCUS MAP 30

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
14 / 30		CALIFORNIA CITY BLVD	CHMIRS	67 0.013 SW
BZ565 / 30	EDWARDS AFB PROJ ROU		FUDS	4295 0.813 SW
BZ566 / 30	EDWARDS AIR FORCE BA		UXO	4295 0.813 SW

Focus Map - 31 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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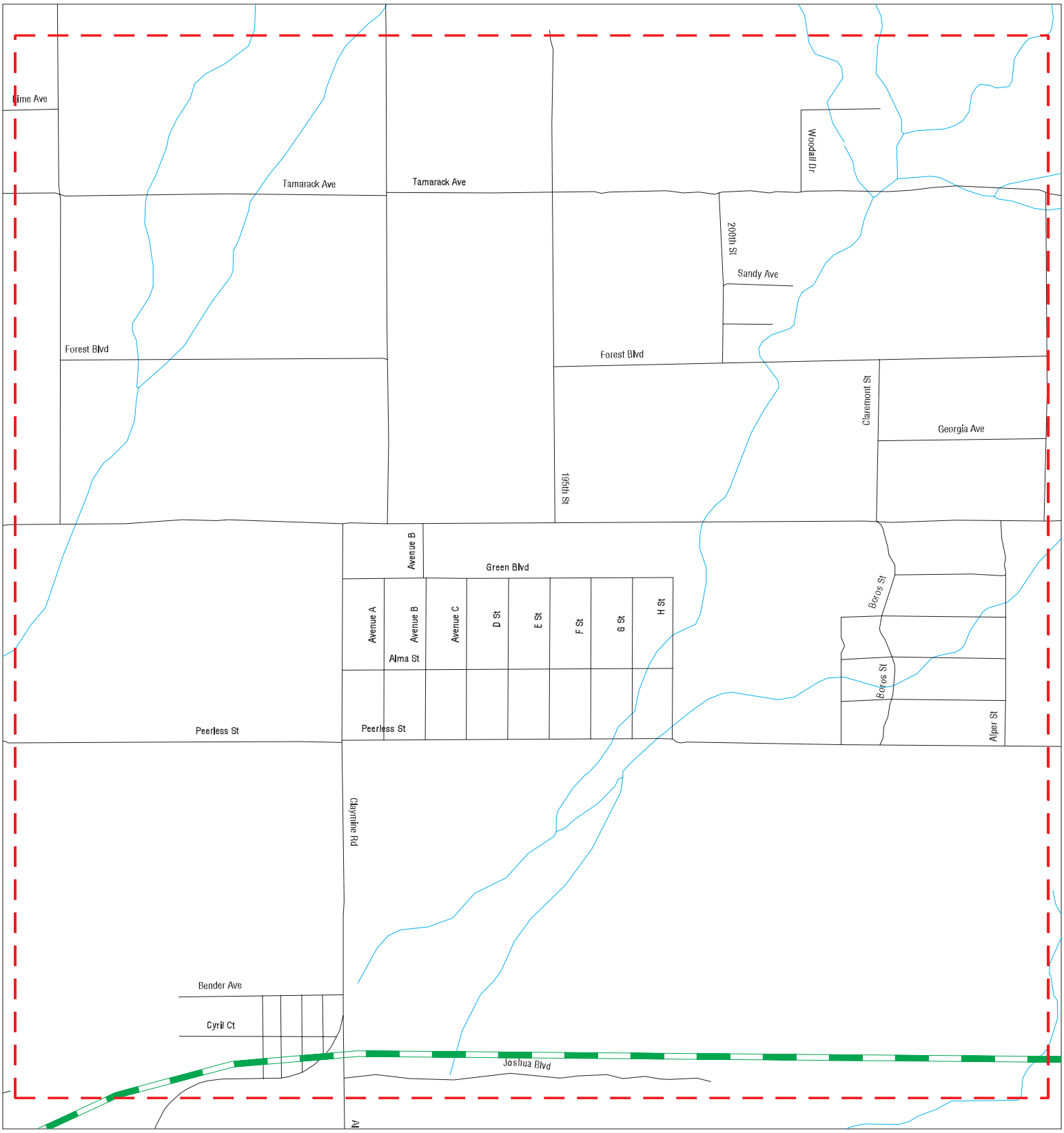
MAPPED SITES SUMMARY - FOCUS MAP 31

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 32 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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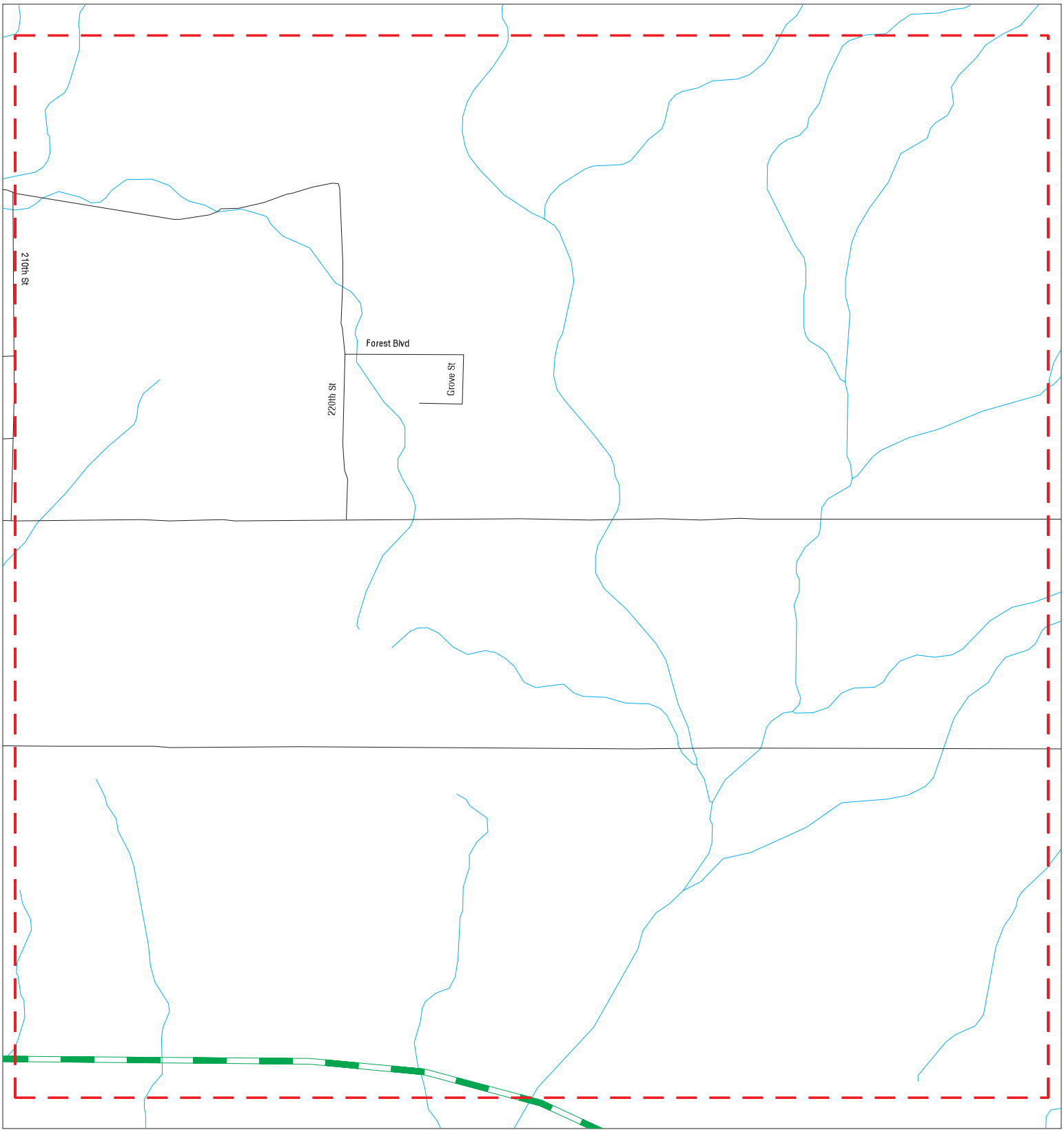
MAPPED SITES SUMMARY - FOCUS MAP 32

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 33 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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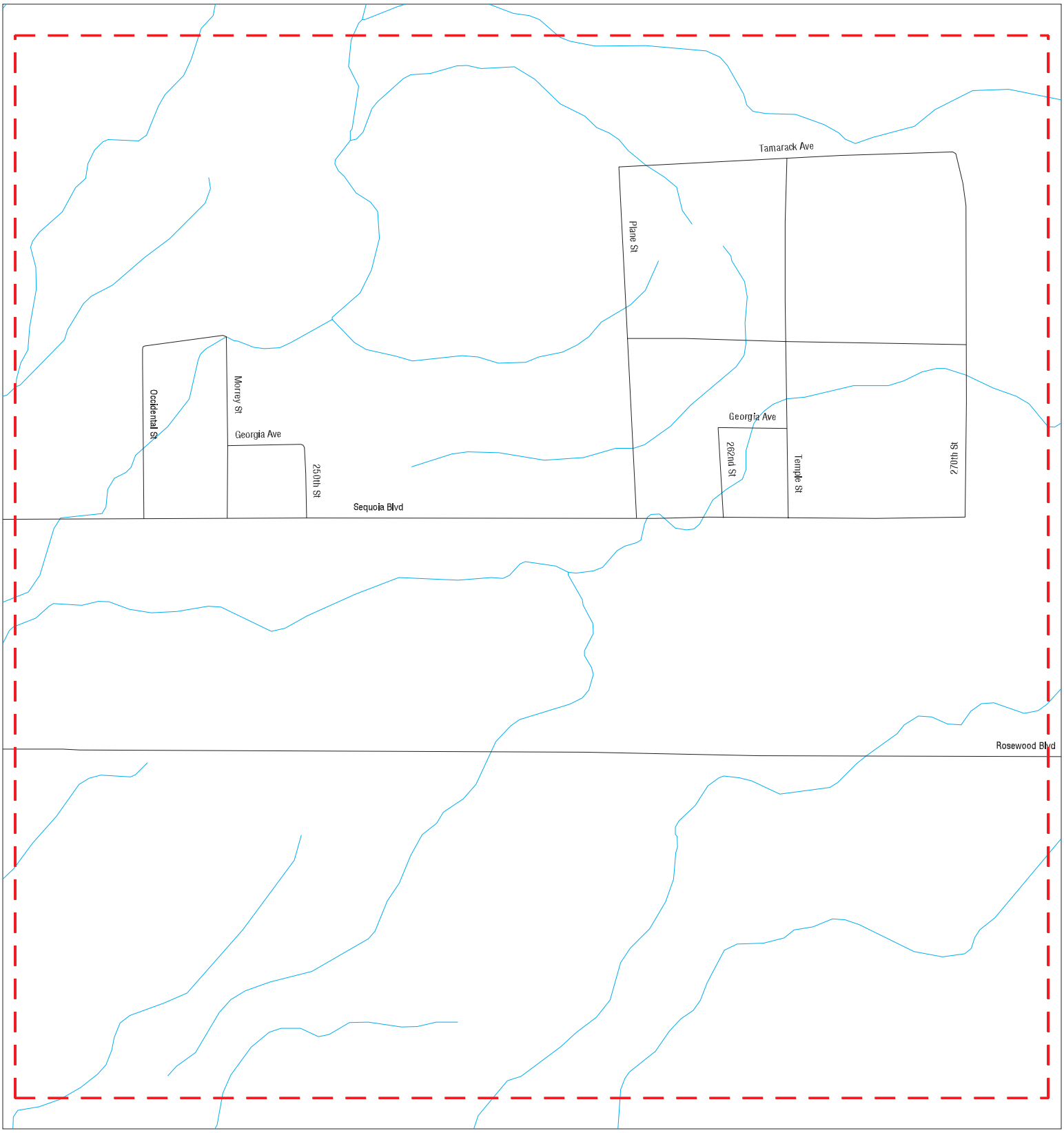
MAPPED SITES SUMMARY - FOCUS MAP 33

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 34 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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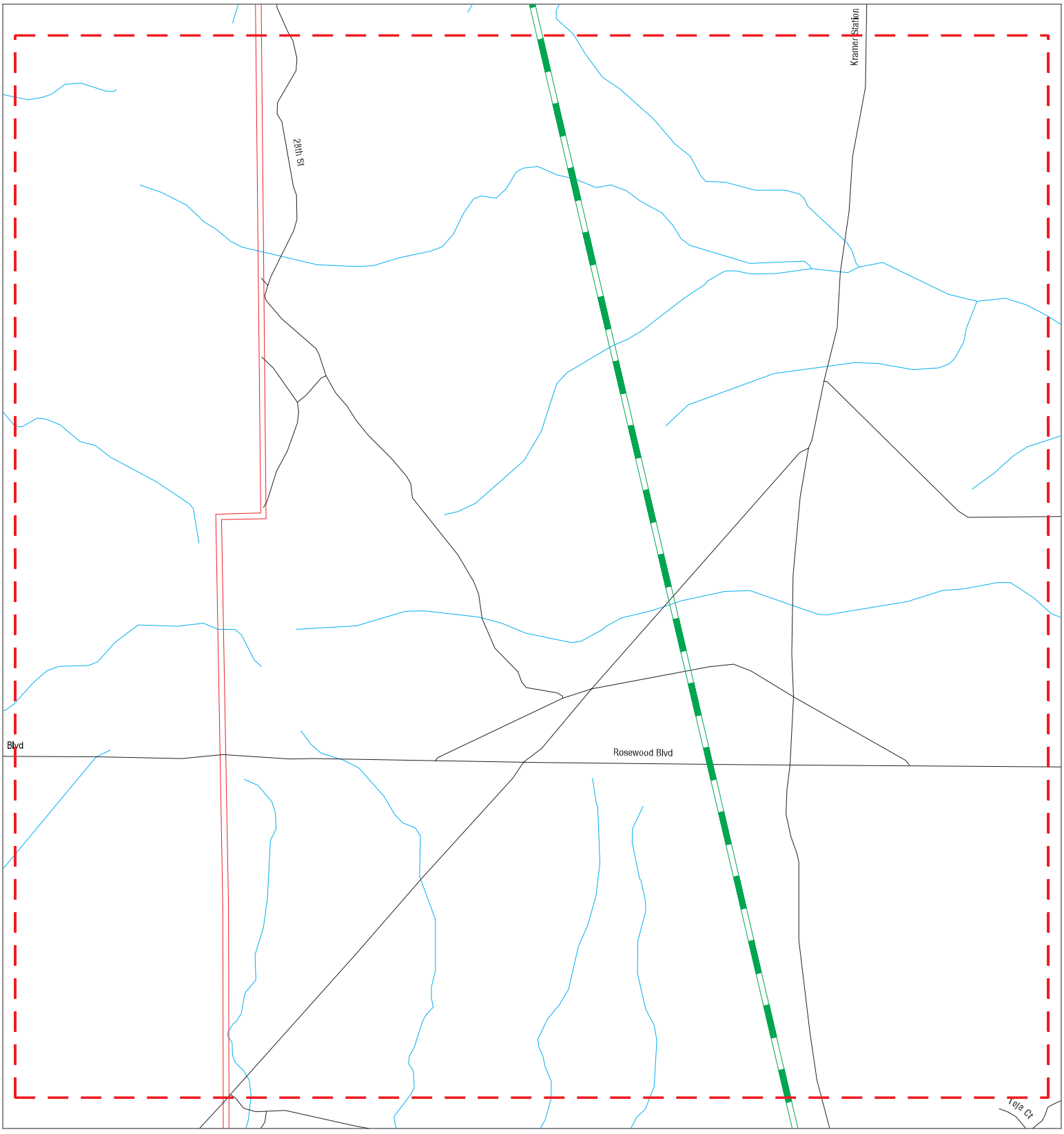
MAPPED SITES SUMMARY - FOCUS MAP 34

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 35 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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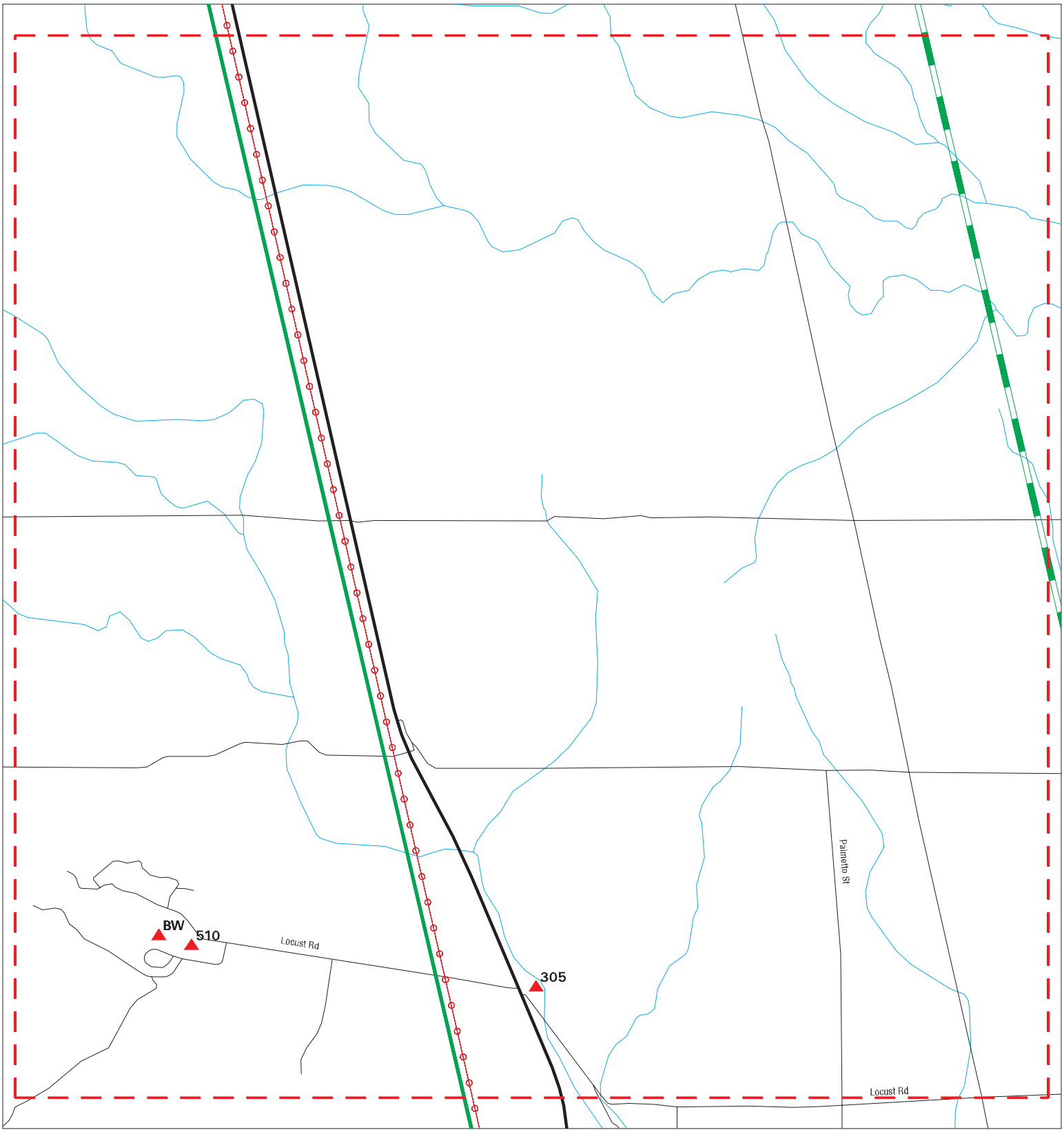
MAPPED SITES SUMMARY - FOCUS MAP 35

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 36 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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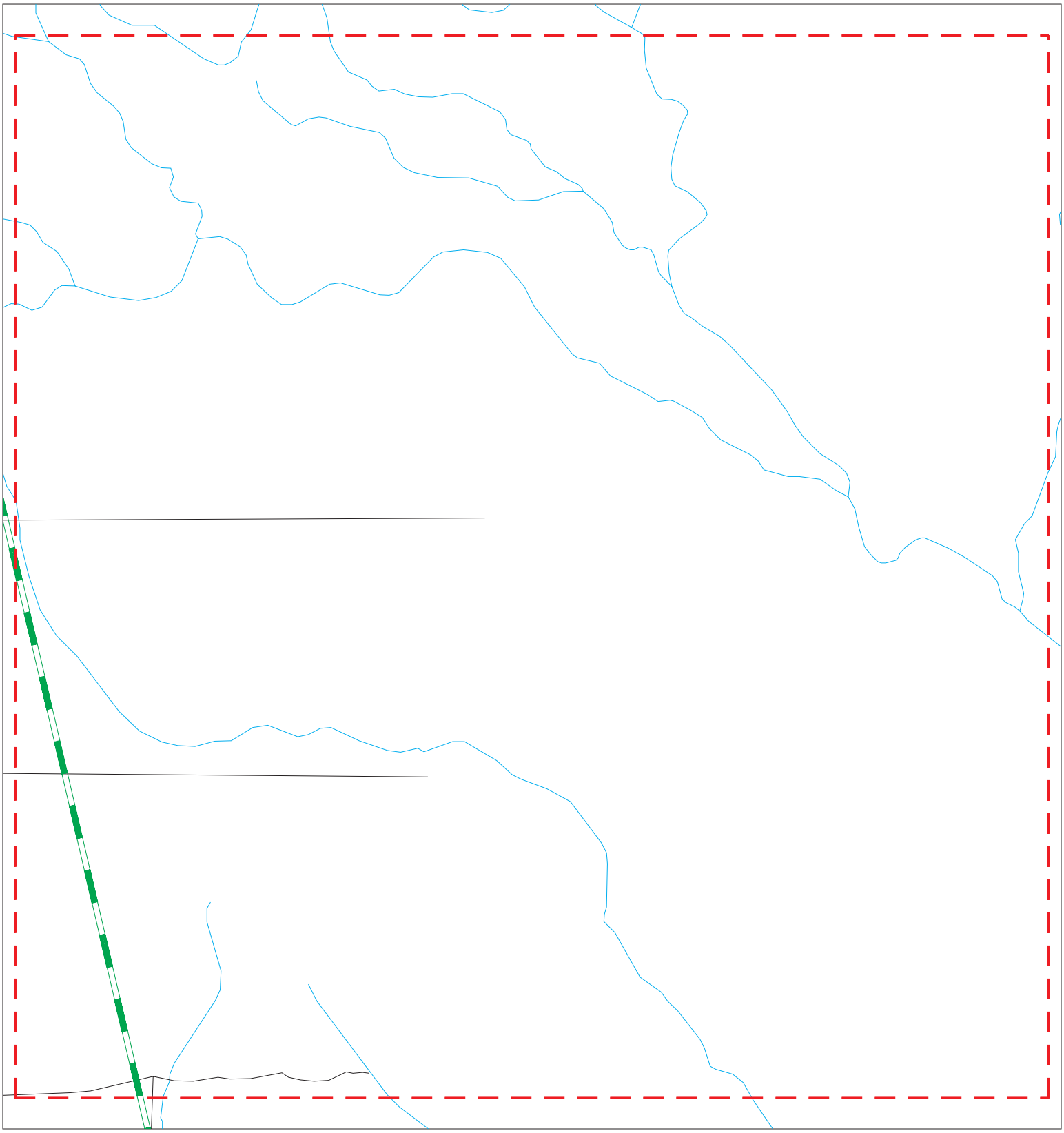
MAPPED SITES SUMMARY - FOCUS MAP 36

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
305 / 36	BORON PIT		MINES MRDS	1529 0.290 ENE
510 / 36	FEDERAL PRISON CAMP	HWY 395	LUST, CERS	3697 0.700 WSW
BW548 / 36	BORON AFS Z-59		ENVIROSTOR	4167 0.789 WSW
BW549 / 36	BORON AIR FORCE STAT		FUDS	4169 0.790 WSW

Focus Map - 37 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 37

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 38 - 06704966.5r

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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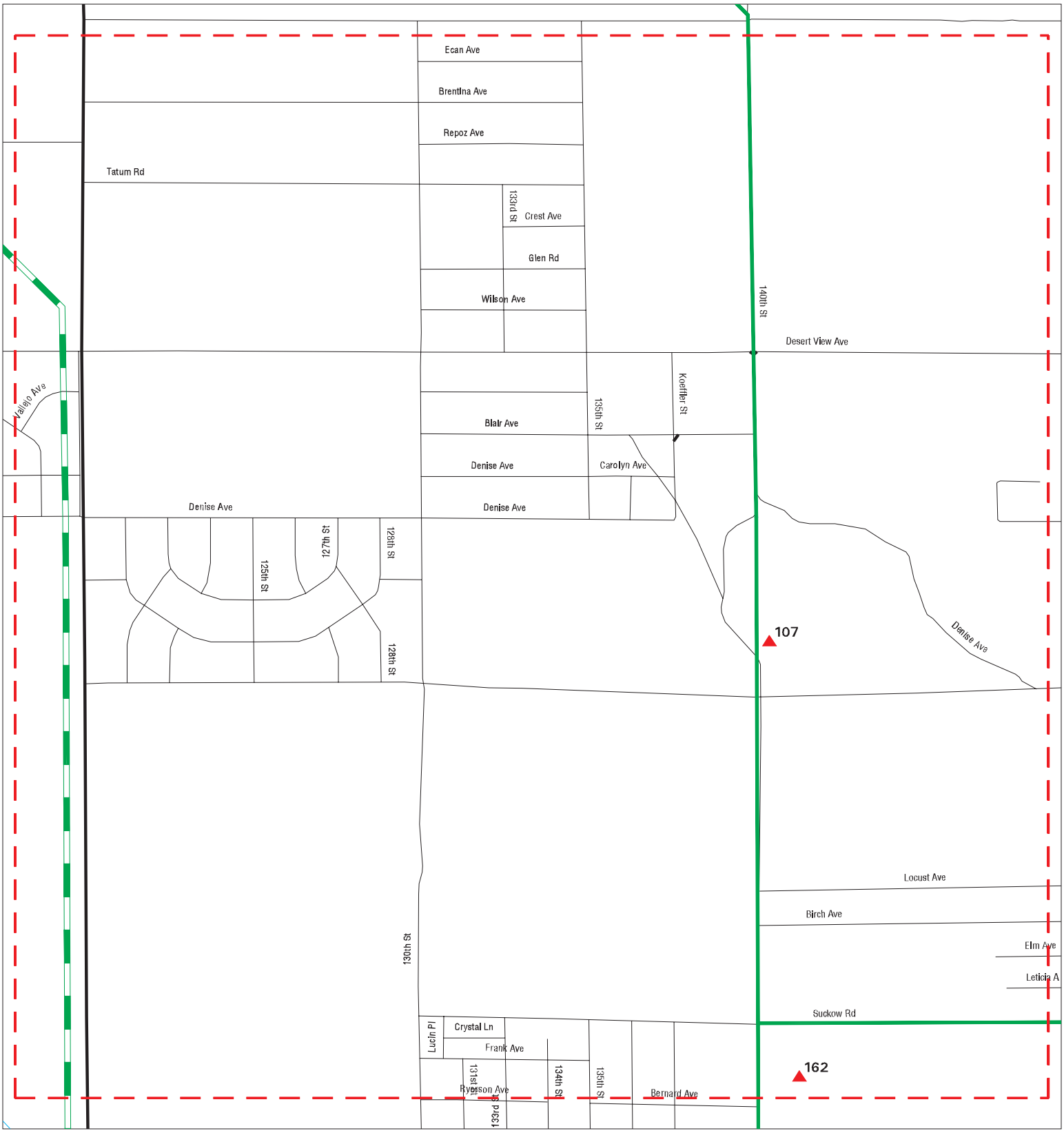
MAPPED SITES SUMMARY - FOCUS MAP 38

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 39 - 06704966.5r



SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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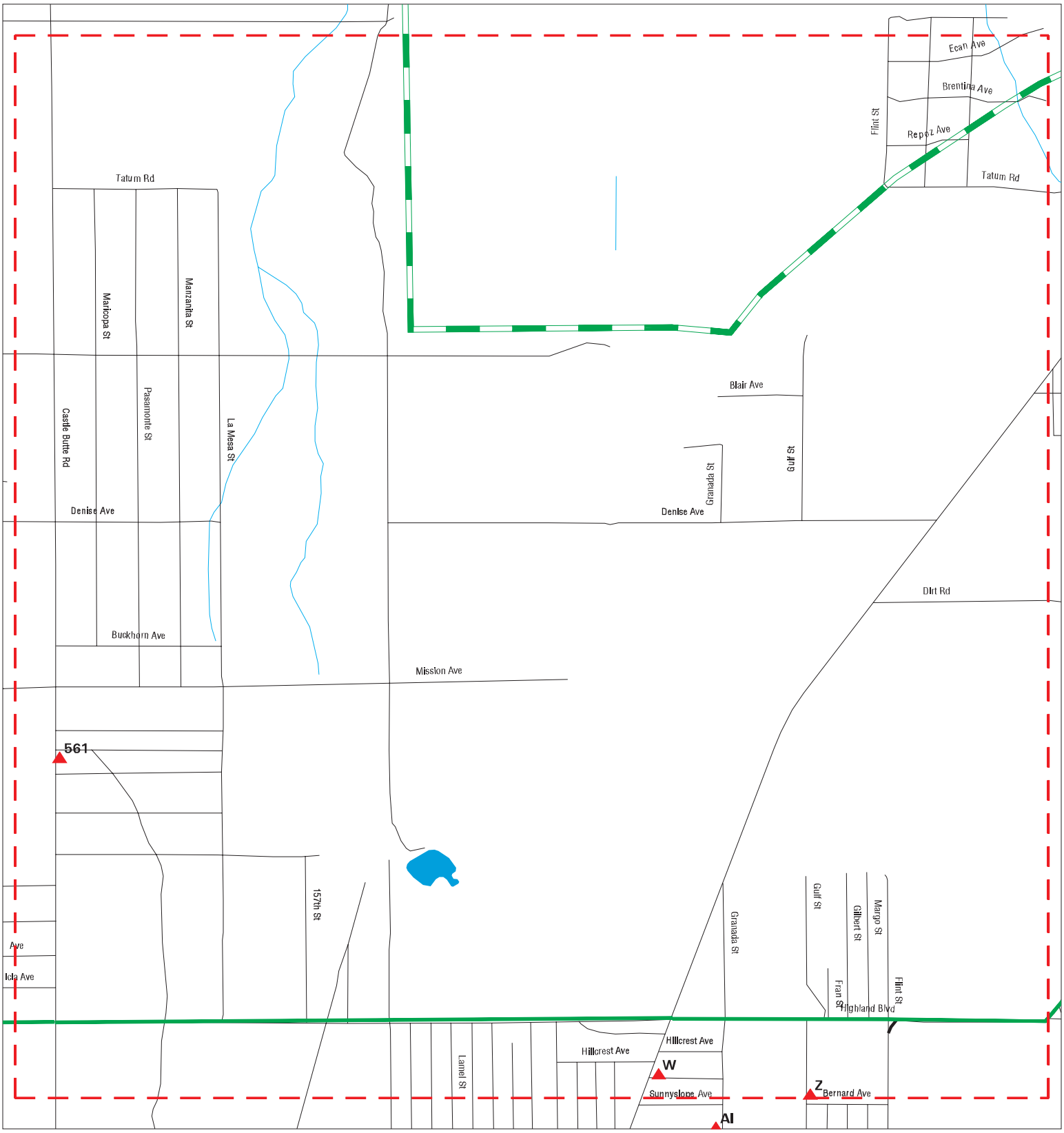
MAPPED SITES SUMMARY - FOCUS MAP 39

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
107 / 39	UNNAMED QUARRY		MINES MRDS	208	0.039	East
162 / 39	CALTRANS #113		MINES MRDS	663	0.126	East

Focus Map - 40 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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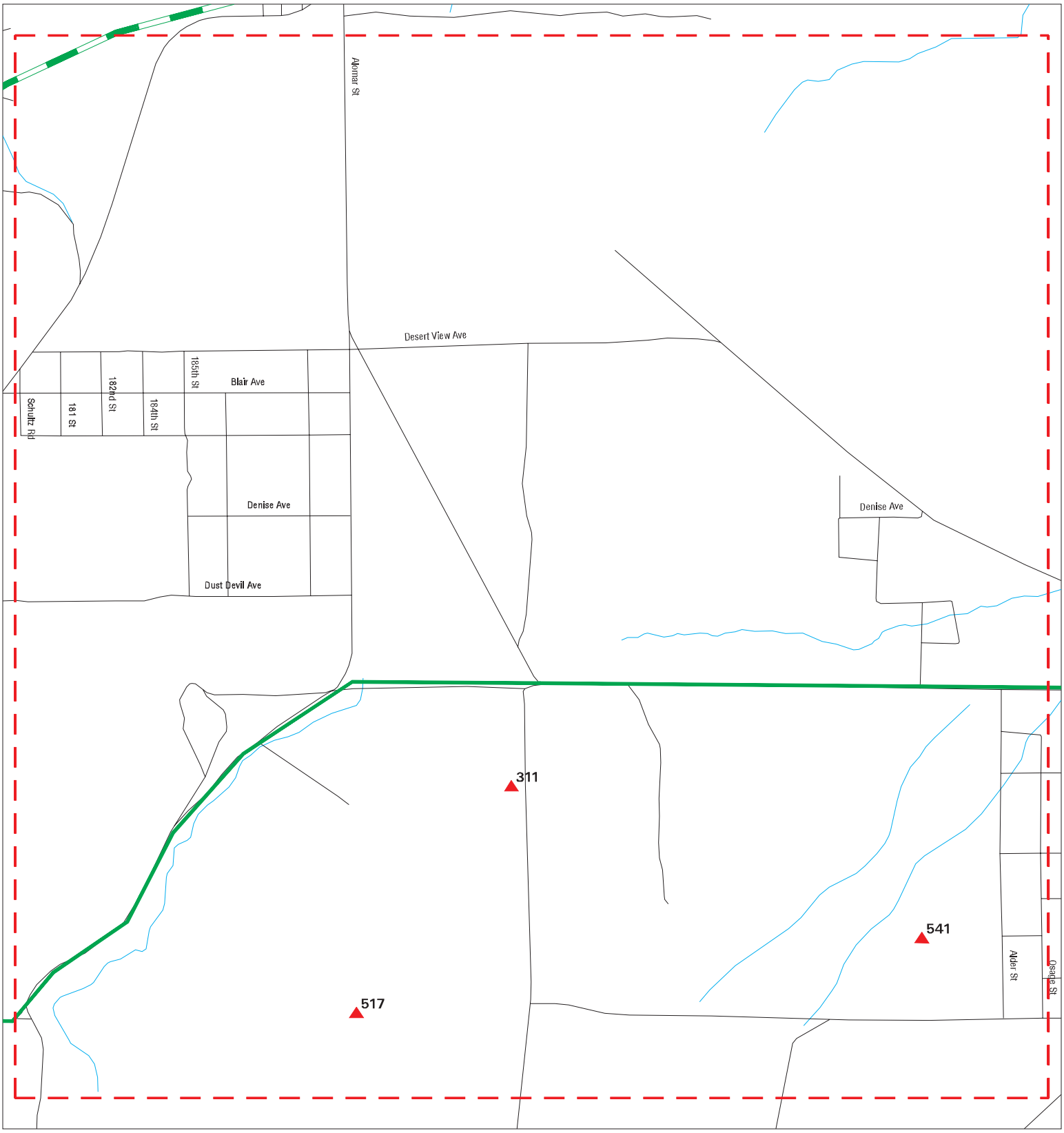
MAPPED SITES SUMMARY - FOCUS MAP 40

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
W196 / 40	WARREN J MEADER	16827 MOUNTAIN VIEW	SWEEPS UST, HIST UST	891 0.169 South
W197 / 40	PRIVATE RESIDENCE	16827 MOUNTAIN VIEW	UST	891 0.169 South
Z205 / 40	HILLMANN'S HARDWARE	13700 GULF ST	UST	1198 0.227 South
Z206 / 40	HILLMANN HARDWARE	13700 GUL ST	SWEEPS UST, HIST UST	1198 0.227 South
561 / 40	DAVID V EIDE	14814 CASTLE BUTTE R	FINDS	4244 0.804 North

Focus Map - 41 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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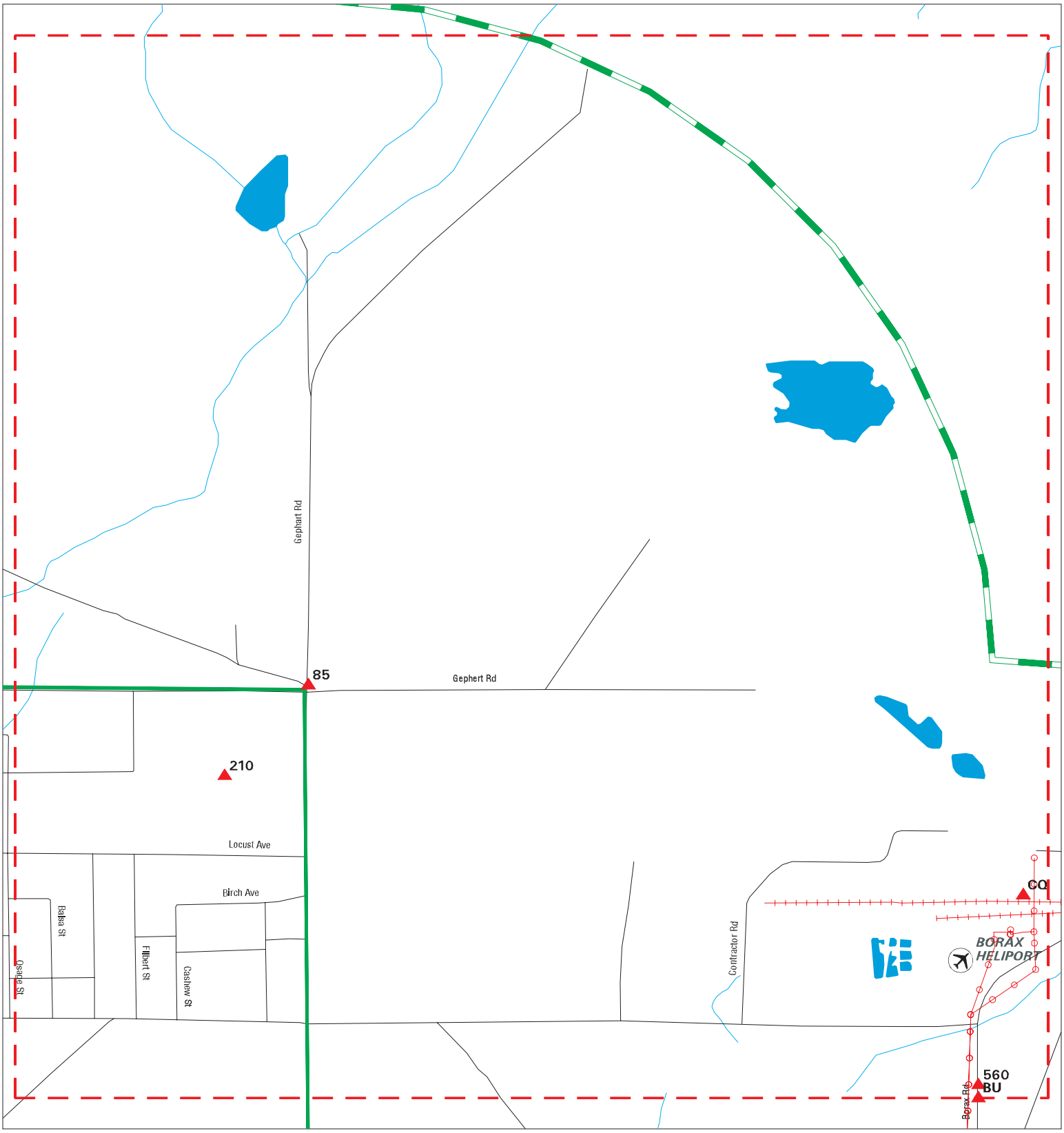
MAPPED SITES SUMMARY - FOCUS MAP 41

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
311 / 41	LEOPOLD		MINES MRDS	1644 0.311 South
517 / 41	BALLING I		MINES MRDS	3931 0.745 ESE
541 / 41	MARSHALL BOND		MINES MRDS	4025 0.762 South

Focus Map - 42 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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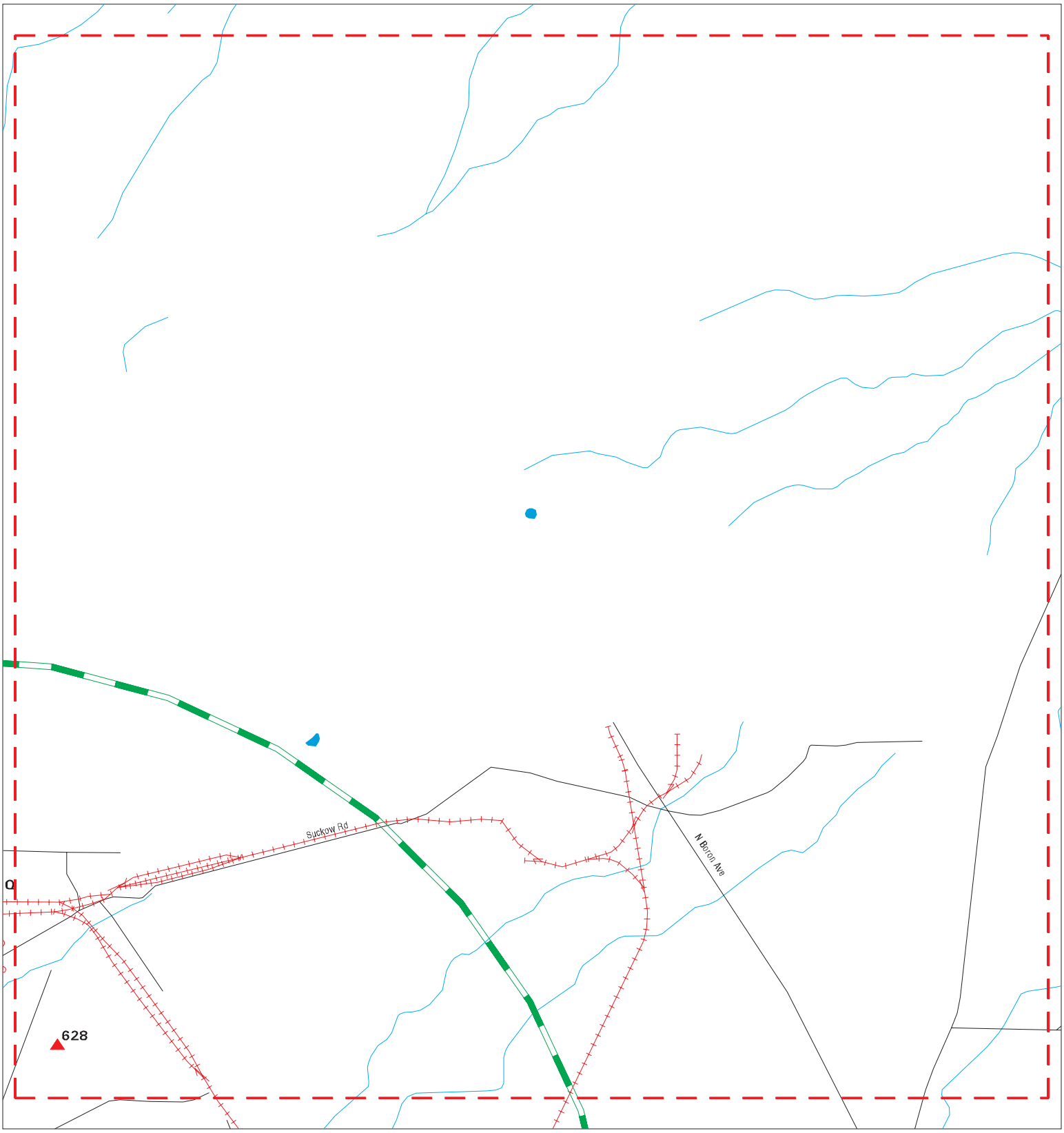
MAPPED SITES SUMMARY - FOCUS MAP 42

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
85 / 42	RIO TINTO - BORON BA	14776 GEPHART RD	CUPA Listings	117	0.022	NNE
210 / 42	KOHLER		MINES MRDS	1286	0.244	West
BU528 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU529 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU530 / 42		14886 BORAX RD	CHMIRS	4023	0.762	North
BU531 / 42		14886 BORAX ROAD	CHMIRS	4023	0.762	North
BU532 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU533 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU534 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU535 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU536 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU537 / 42	U.S. BORAX, INC.	14886 BORAX RD	FINDS	4023	0.762	North
BU538 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU539 / 42		14886 BORAX RD	ERNS	4023	0.762	North
BU540 / 42		14886 BORAX RD	ERNS	4023	0.762	North
560 / 42		14888 BORAX RD.	CHMIRS	4232	0.802	North
CQ663 / 42	US BORAX INC	HIGHWAY 58	ENVIROSTOR, CERS	7327	1.388	North
CQ664 / 42	US BORAX INC	HIGHWAY 58	HAZNET, HWP, HWTS	7330	1.388	North

Focus Map - 43 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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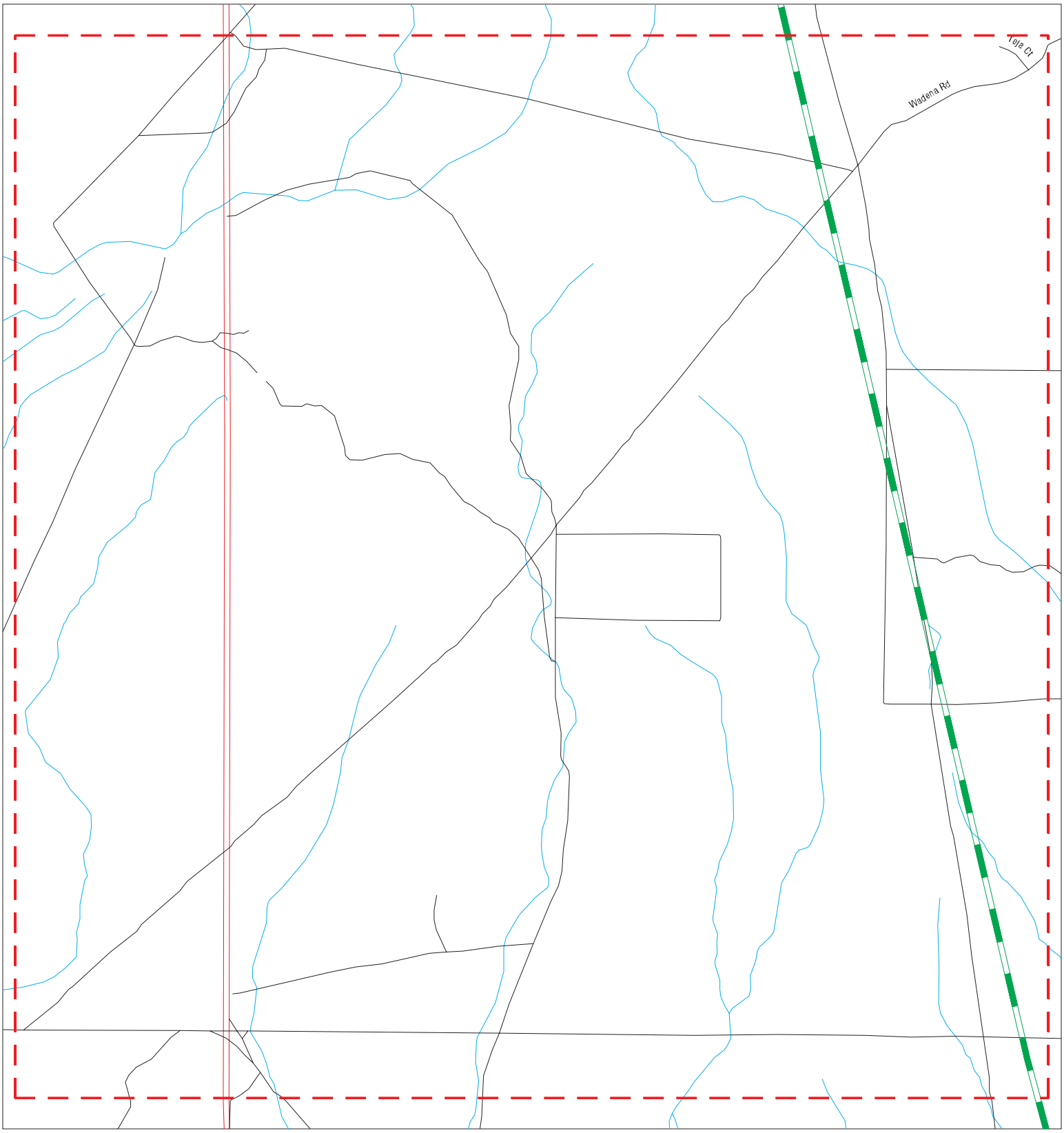
MAPPED SITES SUMMARY - FOCUS MAP 43

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
628 / 43	VANURAY PROSPECT		MINES MRDS	5254 0.995 NNE

Focus Map - 44 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 44

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 45 - 06704966.5r

Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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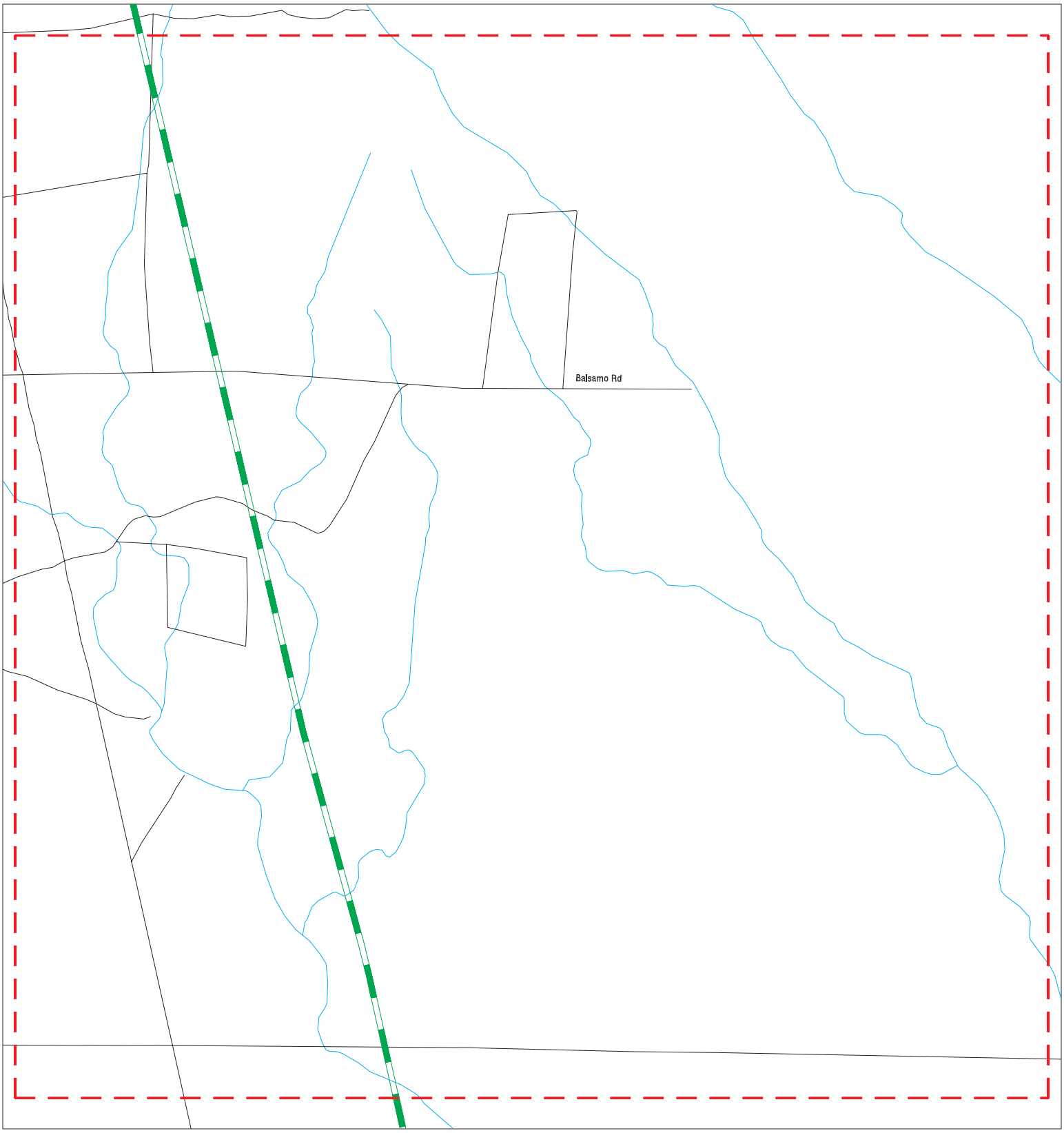
MAPPED SITES SUMMARY - FOCUS MAP 45

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
308 / 45	395 HILL DEPOSIT		MINES MRDS	1574 0.298 ENE
CH612 / 45	USARC OUTDOOR TRNG S		FUDS	4955 0.938 ENE
CH613 / 45	USARC OUTDOOR TRAINI		ENVIROSTOR	4971 0.941 ENE

Focus Map - 46 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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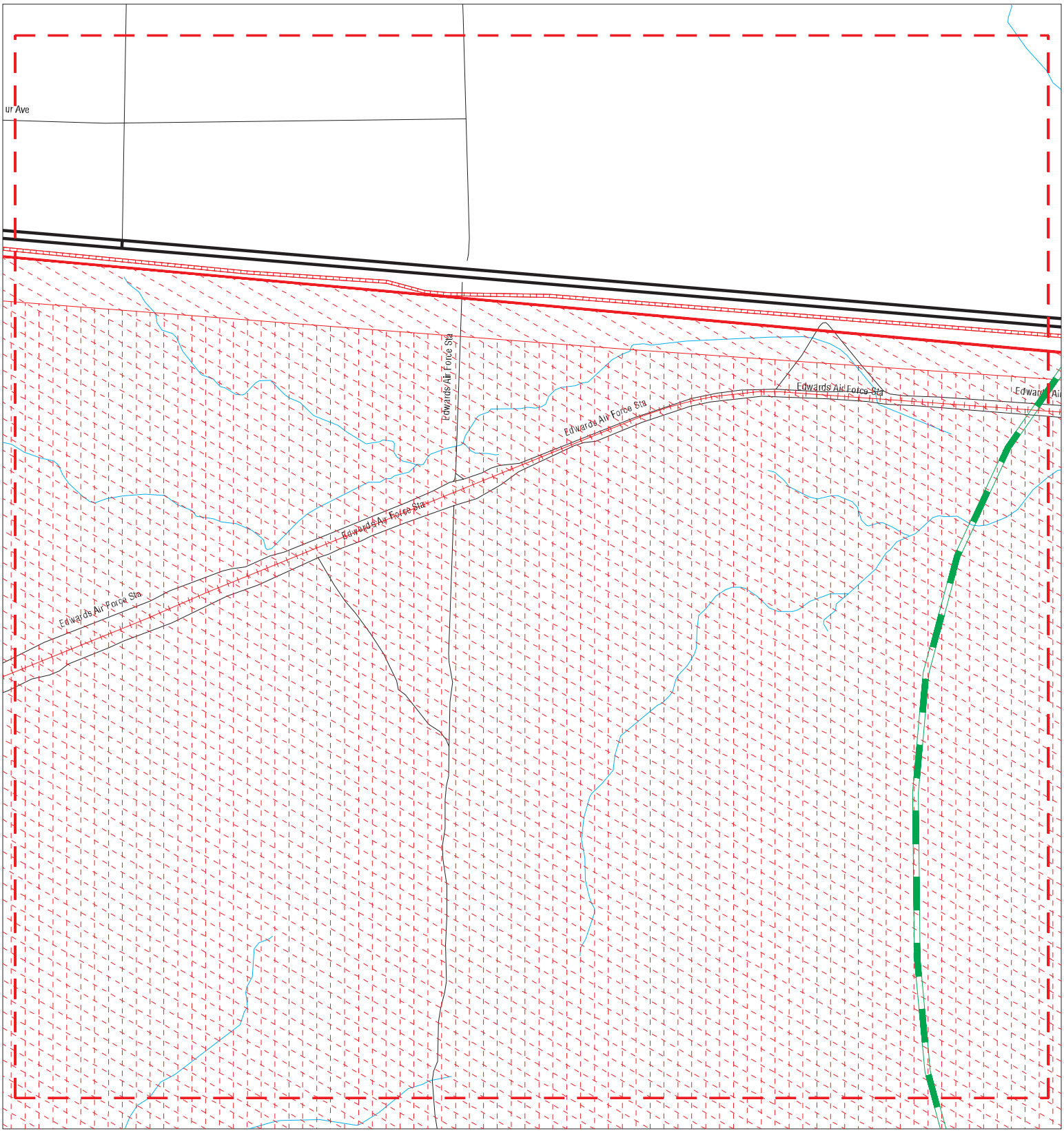
MAPPED SITES SUMMARY - FOCUS MAP 46

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 47 - 06704966.5r



- Sites
- Target Property
- Search Buffer
- Focus Map - No Sites
- Focus Map - Sites
- Power Line
- Pipe Line
- National Priority List Sites
- Areas of Concern
- Dept. Defense Sites
- Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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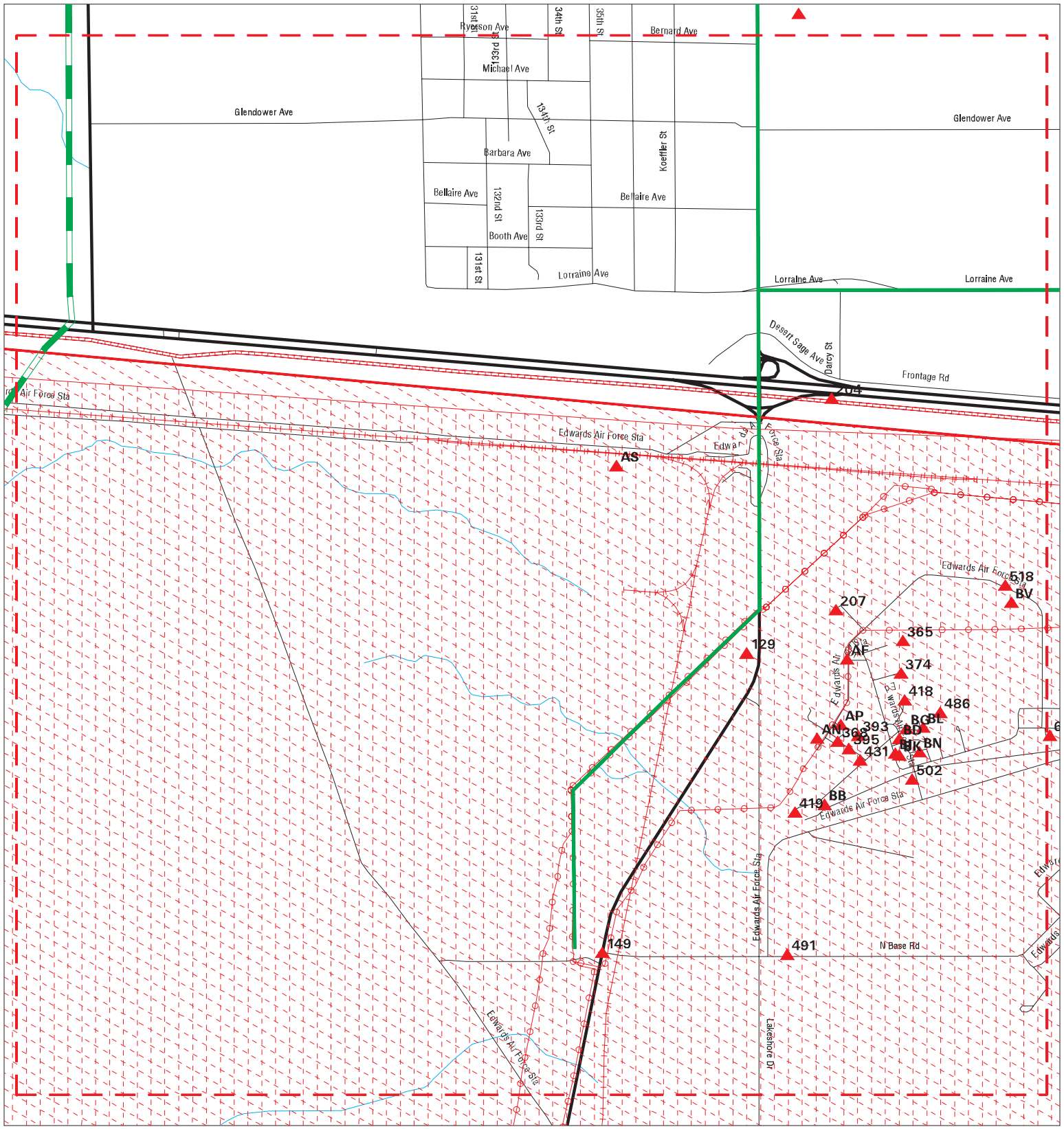
MAPPED SITES SUMMARY - FOCUS MAP 47

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 48 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 48

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

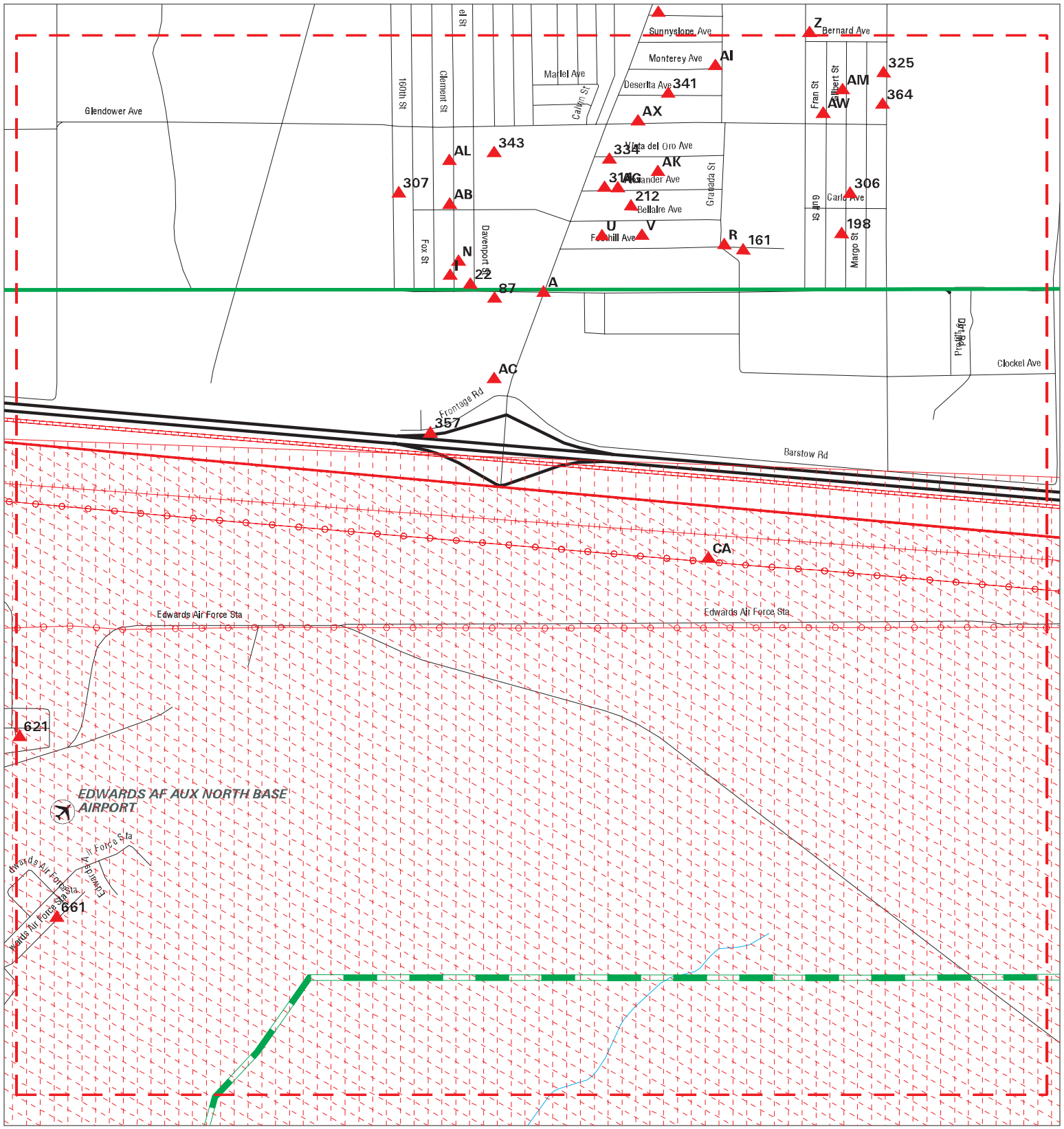
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
129 / 48	EDWARDS AIR FORCE BA		MCS	359 0.068 SE
149 / 48	EDWARDS SUBSTATION	N BASE RD & ROSAMOND	NPDES, CIWQS, CERS	448 0.085 East
204 / 48	PG&E 2015 GAS TRANSM	SR 58 CLAYMINE ROAD	NPDES, CIWQS	1170 0.222 East
207 / 48	EDWARDS AIR FORCE BA		MCS	1224 0.232 East
AF309 / 48	EDWARDS AIR FORCE BA		MCS	1611 0.305 ESE
AF310 / 48	EDWARDS AIR FORCE BA		MCS	1642 0.311 SE
AN337 / 48	EDWARDS AIR FORCE BA		MCS	2132 0.404 SE
AN344 / 48	EDWARDS AIR FORCE BA		MCS	2222 0.421 SE
AP347 / 48	EDWARDS AIR FORCE BA		CERS	2233 0.423 SE
AP348 / 48	EDWARDS AIR FORCE BA		MCS	2241 0.424 SE
AS360 / 48	BNSF RAILWAY COMPANY	12591 MUROC RD	FINDS	2294 0.434 West
AS361 / 48	BNSF RAILWAY COMPANY	12591 MUROC RD	CUPA Listings, HAZNET, CERS, HWTS	2294 0.434 West
AN362 / 48	EDWARDS AIR FORCE BA		MCS	2320 0.439 SE
365 / 48	USNASA JET PROPULSIO	NORTH BASE RD EDWARD	FINDS, ECHO	2354 0.446 ESE
AP367 / 48	EDWARDS AIR FORCE BA		MCS	2365 0.448 SE
368 / 48	EDWARDS AIR FORCE BA		MCS	2395 0.454 SE
AP369 / 48	EDWARDS AIR FORCE BA		MCS	2412 0.457 SE
374 / 48	EDWARDS AIR FORCE BA		MCS	2487 0.471 ESE
393 / 48	EDWARDS AIR FORCE BA		MCS	2553 0.484 SE
395 / 48	EDWARDS AIR FORCE BA		MCS	2603 0.493 SE
418 / 48	EDWARDS AIR FORCE BA		MCS	2743 0.520 ESE
419 / 48	EDWARDS AIR FORCE BA		MCS	2745 0.520 SE
431 / 48	EDWARDS AIR FORCE BA		MCS	2860 0.542 SE
BB432 / 48	EDWARDS AIR FORCE BA		MCS	2878 0.545 SE
BD452 / 48	EDWARDS AIR FORCE BA		MCS	2944 0.558 SE
BB455 / 48	EDWARDS AIR FORCE BA		MCS	2986 0.566 SE
BG463 / 48	EDWARDS AIR FORCE BA		MCS	3035 0.575 SE
BD469 / 48	EDWARDS AIR FORCE BA		MCS	3050 0.578 SE
BI472 / 48	EDWARDS AIR FORCE BA		MCS	3077 0.583 SE
BG473 / 48	EDWARDS AIR FORCE BA		MCS	3137 0.594 SE
BI478 / 48	EDWARDS AIR FORCE BA		MCS	3173 0.601 SE
BG480 / 48	EDWARDS AIR FORCE BA		MCS	3209 0.608 SE
BK481 / 48	EDWARDS AIR FORCE BA		MCS	3235 0.613 SE
BL482 / 48	EDWARDS AIR FORCE BA		MCS	3236 0.613 SE
BL485 / 48	EDWARDS AIR FORCE BA		MCS	3289 0.623 SE
486 / 48	EDWARDS AIR FORCE BA		MCS	3334 0.631 ESE
BK487 / 48	EDWARDS AIR FORCE BA		MCS	3346 0.634 SE
BL488 / 48	EDWARDS AIR FORCE BA		MCS	3388 0.642 SE
491 / 48	USNASA JET PROPULSIO	NORTH BASE RD EDWARD	CORRACTS, RCRA-TSDF, HIST UST, CA FID US...	3419 0.648 East

MAPPED SITES SUMMARY - FOCUS MAP 48

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
BN492 / 48	EDWARDS AIR FORCE BA		MCS	3437 0.651 SE
BN493 / 48	EDWARDS AIR FORCE BA		MCS	3464 0.656 SE
502 / 48	EDWARDS AIR FORCE BA		MCS	3658 0.693 SE
518 / 48	EDWARDS AIR FORCE BA		MCS	3946 0.747 East
BV542 / 48	NASA JET PROPULSION	NORTH BASE RD, EDWAR	HAZNET, CERS, HWTS	4044 0.766 East
BV543 / 48	NASA JET PROPULSION	NORTH BASE RD, EDWAR	CERS	4044 0.766 East
BV544 / 48	NASA JET PROPULSION	NORTH BASE RD, EDWAR	ENVIROSTOR, HWP	4064 0.770 East

Focus Map - 49 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 49

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

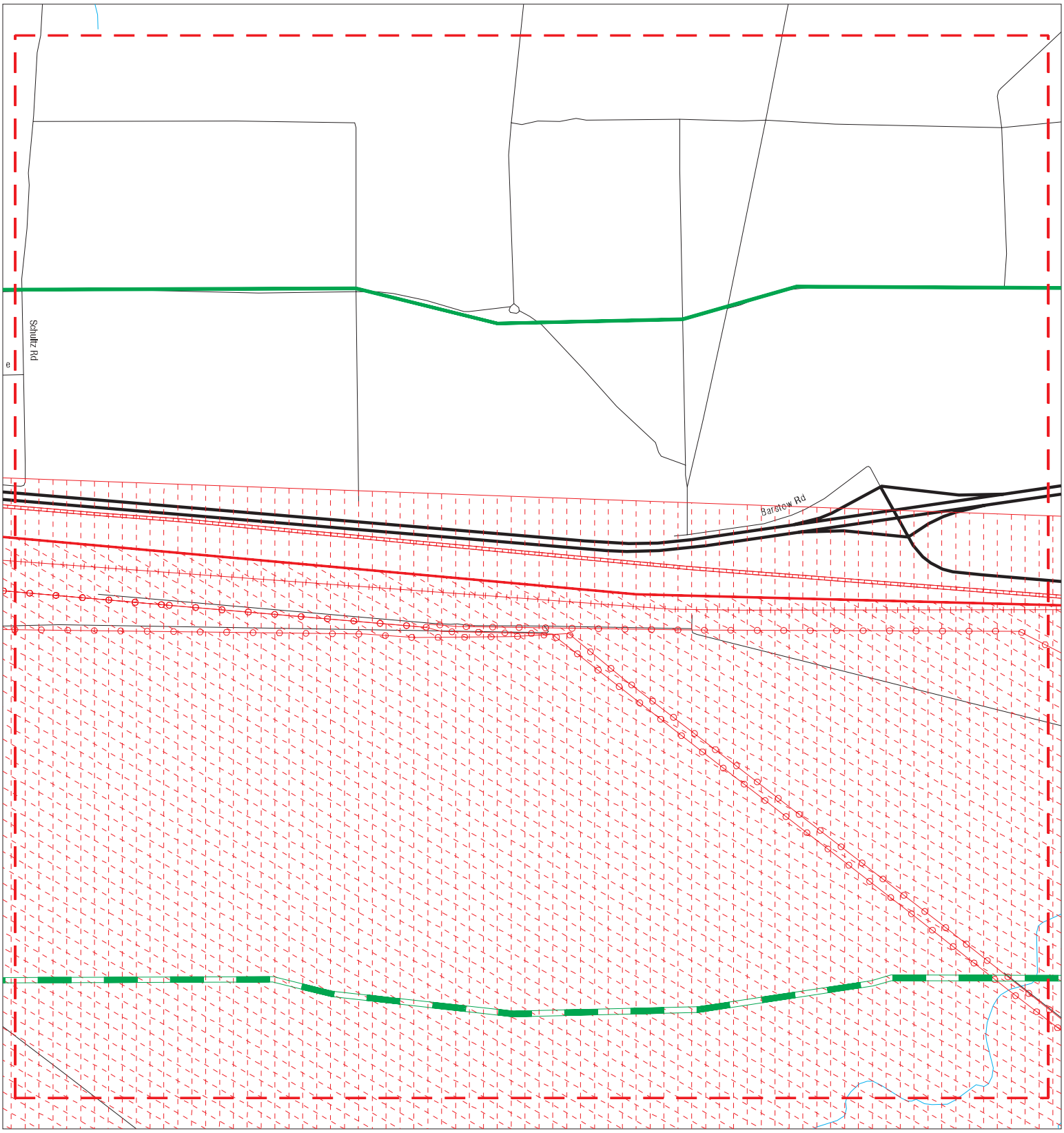
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
A1 / 49	NORTH EDWARDS WD		ECHO	TP		
A2 / 49	EDWARDS AIR FORCE BA		FINDS	TP		
22 / 49	NEWD WATER SYSTEM IM	13009 DAVENPORT STRE	CIWQS	103	0.020	North
87 / 49	OFF BASE ADACENT ARE		UXO	123	0.023	South
I124 / 49	PRIVATE RESIDENCE	13043 LAMEL ST	UST	248	0.047	North
I125 / 49	HOME FESIDENCE	13043 LAMEL STREET	HIST UST	248	0.047	North
N150 / 49	HOME RESIDENTSS	13100 LAMEL	HIST UST	471	0.089	North
N151 / 49	PRIVATE RESIDENCE	13100 LAMEL	UST	471	0.089	North
161 / 49	MUROC USD - FORBES A	17100 FOOTHILL DR	HAZNET, HWTS	653	0.124	North
R163 / 49	MUROC JOINT UNIFIED	FOOTHILL & GRANADA S	HIST FTTS	684	0.130	North
R164 / 49	MUROC JOINT UNIFIED	FOOTHILL & GRANADA S	FTTS	684	0.130	North
R169 / 49	FRONTIER CALIFORNIA	13150 GRANADA STREET	CUPA Listings, EMI	738	0.140	North
R170 / 49	FRONTIER CALIFORNIA	13150 GRANADA STREET	FINDS	738	0.140	North
R171 / 49	VERIZON CALIFORNIA:	13150 GRANADA ST	FINDS	738	0.140	North
U191 / 49	PRIVATE RESIDENCE	16634 BELLAIRE	UST	881	0.167	North
U192 / 49	HAROLD W JOLLIFF	16634 BELAIRE AVE	HIST UST	881	0.167	North
U193 / 49	HAROLD W JOLLIFF	16634 BELLAIRE AVE	SWEEPS UST, HIST UST	881	0.167	North
V194 / 49	STERN WILLARD	16748 BELLAIRE	HIST UST	888	0.168	North
V195 / 49	PRIVATE RESIDENCE	16748 BELLAIRE	UST	888	0.168	North
198 / 49	RON KOTLER	13201 GILBERT ST	HAZNET, HWTS	913	0.173	North
212 / 49	HOLLAND PROPERTY	16726 ALEXANDER AVE	UST	1360	0.258	North
AB214 / 49	PRIVATE RESIDENCE	13319 LAMEL	UST	1388	0.263	North
AB215 / 49	WAYNE WALTER	13319 LAMEL	SWEEPS UST, HIST UST	1388	0.263	North
AC217 / 49	PISTOL RANGE		UXO	1413	0.268	South
AC218 / 49	NORTH BASE ORDNANCE		UXO	1413	0.268	South
306 / 49	LEWIS ROBERSON	13336 GILBERT ST	HAZNET, HWTS	1563	0.296	North
307 / 49		13301 FOX ST	CHMIRS	1573	0.298	North
AG312 / 49	HOME	16693 ALEXANDER	SWEEPS UST, HIST UST	1652	0.313	North
AG313 / 49	WILLIAM YOUNG	16693 ALEXANDER AVE	HWTS	1652	0.313	North
314 / 49	CHARLES M RICHEY	16653 ALEXANDER	HIST UST	1659	0.314	North
AI318 / 49	PRIVATE RESIDENCE	16977 MONTEREY	UST	1733	0.328	South
AI319 / 49	THOMAS W OWENS	16977 MONTEREY AVE	SWEEPS UST, HIST UST	1733	0.328	South
AI320 / 49	1X T W OWENS	16977 MONTERY AVE	HAZNET, HWTS	1733	0.328	South
325 / 49	GERALD D PERRY	13629 FLINT ST	SWEEPS UST, HIST UST	1843	0.349	South
AK328 / 49	HOME	16794 VISTA DEL ORO	HIST UST	1916	0.363	North
AK329 / 49	PRIVATE RESIDENCE	16794 VISTA DEL ORA	UST	1916	0.363	North
AK330 / 49	HOME	16794 VISTA DEL ORA	HIST UST	1916	0.363	North
AL332 / 49	PRIVATE RESIDENCE	13415 LAMEL ST	UST	2092	0.396	North
AL333 / 49	GASOLINE TANK	13415 LAMEL	SWEEPS UST, HIST UST	2092	0.396	North

MAPPED SITES SUMMARY - FOCUS MAP 49

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
334 / 49	NORTH MUROC MUTUAL W		ECHO	2113	0.400	North
AM335 / 49	SUSAN G ROBERSON	13585 GILBERT ST	SWEEPS UST, HIST UST	2119	0.401	South
AM336 / 49	PRIVATE RESIDENCE	13585 GILBERT	UST	2119	0.401	South
341 / 49	VICKI MUELLNER	16821 DESERITA AVE	HAZNET, HWTS	2179	0.413	South
343 / 49	EAFB OFF-BASE ADJACE		UXO	2220	0.420	North
357 / 49	FRANK'S EXXON #4	14800 WEST FRONTAGE	FINDS	2287	0.433	South
364 / 49		13549 FLINT ST	ERNS	2348	0.445	South
AW390 / 49	NORTH EDWARDS WATER	13525 FRAN ST	FINDS, ECHO	2496	0.473	South
AW391 / 49	NORTH EDWARDS WATER	13525 FRAN ST	CUPA Listings, CERS	2496	0.473	South
AX398 / 49	PARKER RESIDENCE	16705 GLENDOWER	CERS TANKS, CUPA Listings	2631	0.498	South
AX399 / 49	PARKER RESIDENCE	16705 GLENDOWER	UST	2631	0.498	South
AX400 / 49	DIANA GRAY	16705 GLENDOWER AVE	HIST UST	2631	0.498	South
AX401 / 49	PARKER RESIDENCE	16705 GLENDOWER	FINDS	2631	0.498	South
AX402 / 49	DAVID PARKER	16705 GLENDOWER ST	SWEEPS UST	2631	0.498	South
CA567 / 49	EDWARDS-HOLGATE-SOUT		CIWQS	4298	0.814	South
CA568 / 49	EDWARDS-HOLGATE-SOUT		CERS	4298	0.814	South
621 / 49	EDWARDS AIR FORCE BA		MCS	5079	0.962	ESE
661 / 49	BLDG 4318	NORTHBASE	LUST, HIST CORTESE	7203	1.364	SE

Focus Map - 50 - 06704966.5r



SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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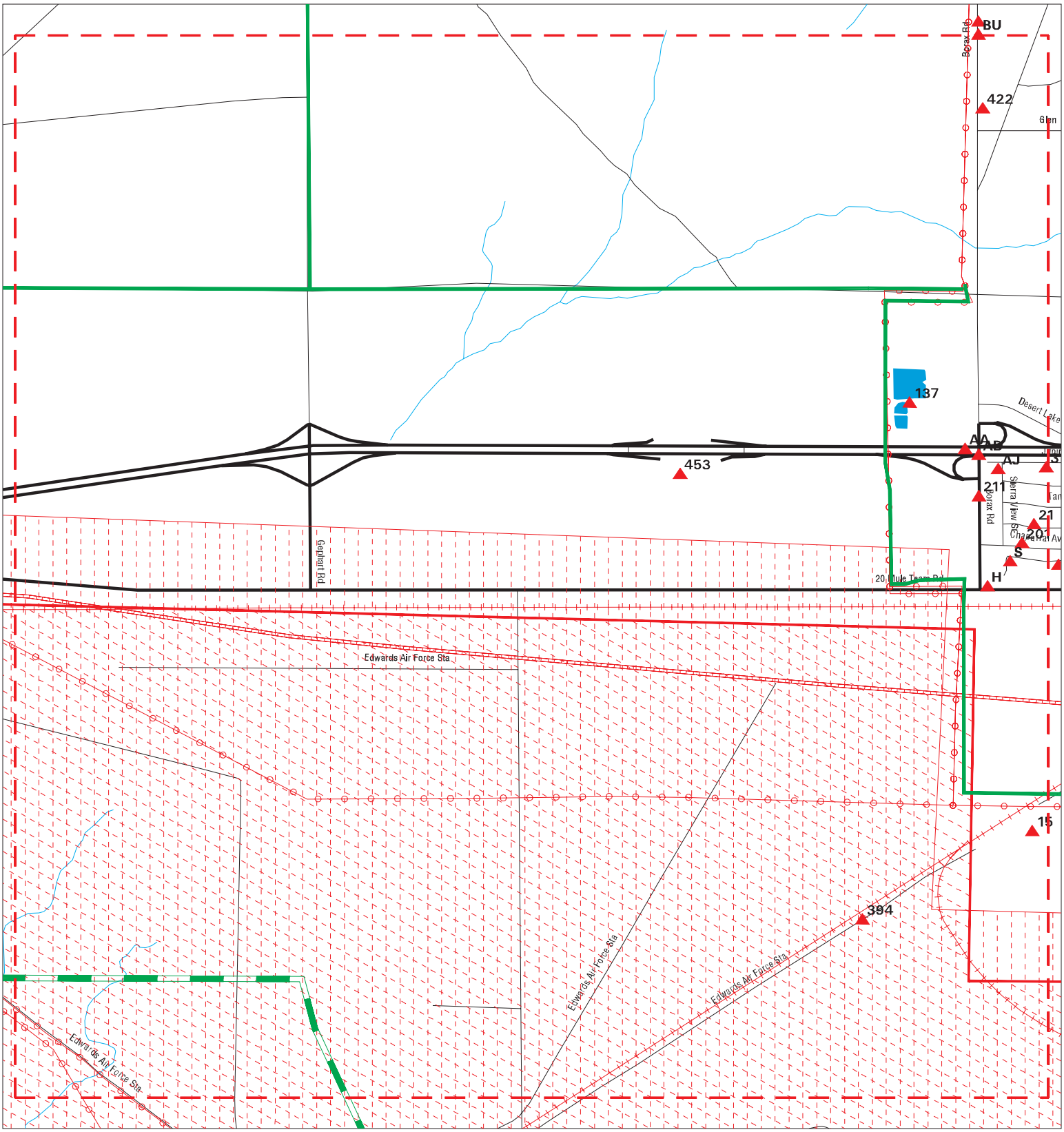
MAPPED SITES SUMMARY - FOCUS MAP 50

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 51 - 06704966.5r



SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 51

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
H120 / 51	D&R AUTOMOTIVE	24045 TWENTY MULE TE	CUPA Listings, HWTS	241	0.046	East
H121 / 51	MIKE'S AUTOMOTIVE	24045 TWENTY MULE TE	HAZNET, HWTS	241	0.046	East
H122 / 51	D & R AUTOMOTIVE	24045 TWENTY MULE TE	HWTS	241	0.046	East
H130 / 51	ROCKET SITE MINI MAR	24009 20 MULE TEAM R	HIST UST	375	0.071	East
H131 / 51	ROCKET SITE MINI-MAR	24009 TWENTY MULE TE	EDR Hist Auto	375	0.071	East
H132 / 51	GEORGE GIBSON	24009 TWENTY MULETEA	HAZNET, HWTS	375	0.071	East
H133 / 51	ROCKET SITE MINI MAR	24009 TWENTY MULE TE	UST	375	0.071	East
H134 / 51	ROCKET SITE MINI MAR	24009 20 MULE TEAM R	SWEEPS UST, HIST UST, CA FID UST	375	0.071	East
137 / 51	DESERT LAKE CSD WTF	W OF BORON	ENF, WDS, WDR, CIWQS, CERS	393	0.074	East
154 / 51	EDWARDS AIR FORCE BA		MCS	588	0.111	South
S173 / 51	VERIZON WIRELESS BOR	12088 BORAX ROAD	FINDS	788	0.149	ENE
S174 / 51	VERIZON WIRELESS BOR	12088 BORAX ROAD	CUPA Listings, CERS	788	0.149	ENE
201 / 51	US DEPT HOUSING URBA	24157 CHAPPARREL AVE	HAZNET, HWTS	1089	0.206	ENE
AA208 / 51	US BORAX AND CHEMICA	HIGHWAY 58	ENVIROSTOR	1278	0.242	East
AA209 / 51	US BORAX, 6 NEW POND	AND PONDS 4-6 / BORA	Toxic Pits	1278	0.242	East
211 / 51	MOJAVE COGENERATION	BORAX RD 3/4 MI N OF	RCRA-SQG	1356	0.257	North
219 / 51	PATRICIA HARRALD	24197 JOSHUA AVE	HAZNET, HWTS	1424	0.270	NE
AD220 / 51	SOUTHERN CALIFORNIA	6501 HIGHWAY 58A	CERS HAZ WASTE, San Bern. Co. Permit, CE...	1497	0.284	East
AD223 / 51	U. S. BORAX PLANT	14486 BORAX RD	RGA LUST	1513	0.287	East
AD224 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD225 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD226 / 51	CHS INDUSTRIAL	14486 BORAX ROAD	EMI	1513	0.287	East
AD227 / 51		14486 BORAX RD.	CHMIRS	1513	0.287	East
AD228 / 51	MOJAVE COGENERATION	14486 BORAX RD	HAZNET	1513	0.287	East
AD229 / 51	CHS INDUSTRIAL	14486 BORAX ROAD	EMI	1513	0.287	East
AD230 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD231 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD232 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD233 / 51	RIO TINTO MINE	14486 BORAX RD	ABANDONED MINES	1513	0.287	East
AD234 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD235 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD236 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD237 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD238 / 51	U.S. BORAX INC-GANGU	14486 BORAX ROAD	RGA LF	1513	0.287	East
AD239 / 51	US BORAX PLANT	14486 BORAX ROAD	RGA LUST	1513	0.287	East
AD240 / 51	U.S. BORAX INC/GANGU	14486 BORAX ROAD	RGA LF	1513	0.287	East
AD241 / 51		14486 BORAX RD	CHMIRS	1513	0.287	East
AD242 / 51		14486 BORAX RD.	CHMIRS	1513	0.287	East
AD243 / 51		14486 BORAX RD	CHMIRS	1513	0.287	East

MAPPED SITES SUMMARY - FOCUS MAP 51

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

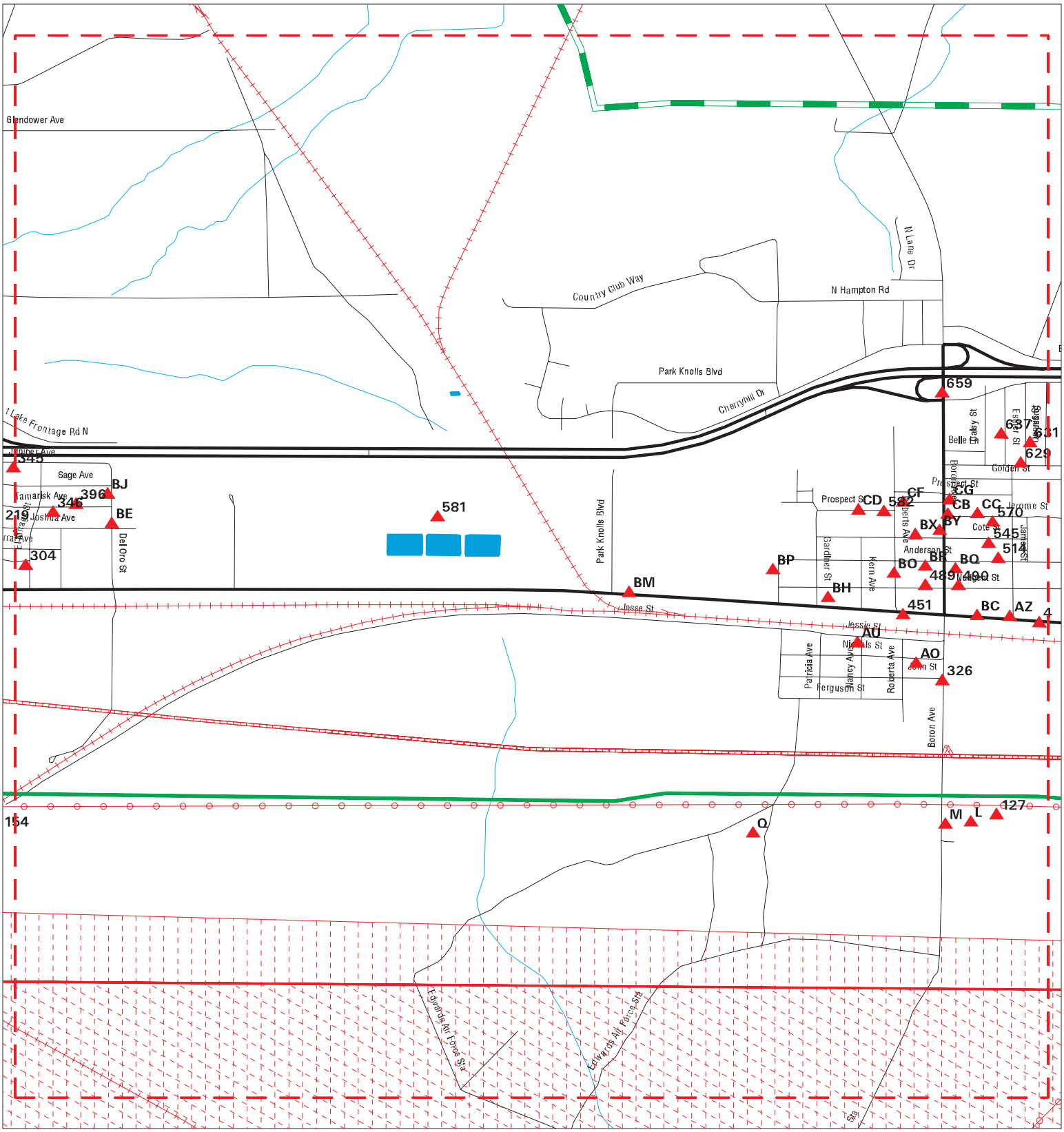
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
AD244 / 51		14486 BORAX RD	CHMIRS	1513	0.287	East
AD245 / 51	BORON MINE FACILITY	14486 BORAX RD.	CPS-SLIC, CHMIRS, CERS	1513	0.287	East
AD246 / 51	U S BORAX INC	14486 BORAX RD	UST	1513	0.287	East
AD247 / 51	LAKE SHORE MOJAVE,LL	14486 BORAX RD	CERS	1513	0.287	East
AD248 / 51	14486 BORAX RD	14486 BORAX RD	CIWQS	1513	0.287	East
AD249 / 51	AMES CONSTRUCTION IN	14486 BORAX RD	HWTS	1513	0.287	East
AD250 / 51		14486 BORAX RD.	CHMIRS	1513	0.287	East
AD251 / 51	CSW CONTRACTORS, INC	14486 BORAX ROAD	HWTS	1513	0.287	East
AD252 / 51	CACHE VALLEY ELECTRI	14486 BORAX RD	CHMIRS, CUPA Listings, HAZNET, HWTS	1513	0.287	East
AD253 / 51		14486 BORAX ROAD	CHMIRS	1513	0.287	East
AD254 / 51	US BORAX & CHEMICAL	14486 BORAX RD.	FINDS	1513	0.287	East
AD255 / 51	U. S. BORAX, BORON O	14486 BORAX ROAD	ICIS, US AIRS, FINDS, ECHO	1513	0.287	East
AD256 / 51		14486 BORAX ROAD, NO	CHMIRS	1513	0.287	East
AD257 / 51	MOJAVE COGENERATION	14486 BORAX ROAD	RMP	1513	0.287	East
AD258 / 51	U.S. BORAX INC.	14486 BORAX ROAD	TSCA	1513	0.287	East
AD259 / 51	US BORAX INC	14486 BORAX RD.	SEMS-ARCHIVE, CORRACTS, RCRA-LQG, FINDS,.	1513	0.287	East
AD260 / 51	U S BORAX INC	14486 BORAX RD	SSTS, US MINES	1513	0.287	East
AD261 / 51	AMES CONSTRUCTION IN	14486 BORAX RD	RCRA NonGen / NLR	1513	0.287	East
AD262 / 51	MOJAVE COGENERATION	14486 BORAX ROAD	RMP	1513	0.287	East
AD263 / 51	U S BORAX INC.	14486 BORAX RD	SSTS	1513	0.287	East
AD264 / 51	MOJAVE COGENERATION	14486 BORAX ROAD	RMP	1513	0.287	East
AD265 / 51		14486 BORAX RD.	CHMIRS	1513	0.287	East
AD266 / 51	AMES CONSTRUCTION IN	14486 BORAX RD	FINDS, ECHO	1513	0.287	East
AD267 / 51	J I ARIAS INC	14486 BORAX ROAD	FINDS	1513	0.287	East
AD268 / 51	US BORAX	14486 BORAX RD	SSTS	1513	0.287	East
AD269 / 51	US BORAX PLANT	14486 BORAX ROAD	LUST, CHMIRS, Cortese, EMI	1513	0.287	East
AD270 / 51	GANGUE/OVERBURDEN/RE	14486 BORAX RD	FINDS	1513	0.287	East
AD271 / 51	BORON MINE FACILITY	14486 BORAX RD	FINDS	1513	0.287	East
AD272 / 51	U S BORAX INC	14486 BORAX ROAD	CPS-SLIC, AST, CHMIRS	1513	0.287	East
AD273 / 51	EIF MOJAVE LLC	14486 BORAX RD	HAZNET, HWTS	1513	0.287	East
AD274 / 51	U. S. BORAX & CHEMIC	14486 BORAX RD	RGA LUST	1513	0.287	East
AD275 / 51	US BORAX & CHEMICAL	14486 BORAX RD	SSTS	1513	0.287	East
AD276 / 51	U.S. BORAX	14486 BORAX ROAD	FTTS	1513	0.287	East
AD277 / 51	U S BORAX	14486 BORAX RD	SSTS	1513	0.287	East
AD278 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD279 / 51	U S BORAX AND CHEMIC	14486 BORAX RD	SWEEPS UST, CA FID UST, CHMIRS	1513	0.287	East
AD280 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD281 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD282 / 51	U S BORAX INC	14486 BORAX RD	AST	1513	0.287	East

MAPPED SITES SUMMARY - FOCUS MAP 51

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
AD283 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD284 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD285 / 51	US BORAX BORON OPERA	14486 BORAX RD	SWF/LF, LUST, WMUDS/SWAT, CERS HAZ WASTE	1513	0.287	East
AD286 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD287 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD288 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD289 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD290 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD291 / 51	14486 BORAX ROAD	14486 BORAX ROAD	HMIRS	1513	0.287	East
AD292 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD293 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD294 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD295 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD296 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD297 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD298 / 51		14486 BORAX RD	ERNS	1513	0.287	East
AD299 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD300 / 51		14486 BORAX RD.	ERNS	1513	0.287	East
AD301 / 51		14486 BORAX ROAD	ERNS	1513	0.287	East
AD302 / 51	RIO TINTO MINE	14486 BORAX RD	US MINES	1513	0.287	East
AD303 / 51	BORON OPERATIONS	14486 BORAX ROAD	US MINES	1513	0.287	East
AJ321 / 51	DEBORA EPHRIAM	12489 SIERRA VIEW ST	FINDS, ECHO	1770	0.335	East
AJ322 / 51	DEBORA EPHRIAM	12489 SIERRA VIEW ST	RCRA NonGen / NLR	1770	0.335	East
AJ323 / 51	DEBORA EPHRIAM	12489 SIERRA VIEW ST	HAZNET, HWTS	1770	0.335	East
345 / 51	YESENA ALFARO	24232 JUNIPER AVE	HAZNET, HWTS	2225	0.421	NE
394 / 51	EDWARDS AIR FORCE BA		MCS	2589	0.490	SW
422 / 51	U S BORAX INC		US MINES	2849	0.540	North
453 / 51	BORON REST FACILITY	HWY 58 W OF BORON	ENF, WDS, WDR, CIWQS, CERS	2955	0.560	South

Focus Map - 52 - 06704966.5r



SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 52

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
127 / 52	TLRR KRAMER-HOLGATE	NORTH OF HWY 58 AT B	CIWQS	278	0.053	South
L138 / 52	BORON CLASS III LAND	5 MI SO OF BORON	WMUDS/SWAT, LDS, ENF, WDS, CIWQS, CERS	396	0.075	South
L139 / 52	BORON CLASS III LAND	5 MI SO OF BORON	PFAS	396	0.075	South
M141 / 52	KCWMD - BORON LANDFI	11400 BORON AVE	FINDS	438	0.083	South
M142 / 52	KERN COUNTY PUBLIC W	11400 BORON AVENUE	SWF/LF, CERS HAZ WASTE, CUPA Listings, F...	438	0.083	South
M143 / 52	BORON SANITARY LANDF	11400 BORON AVENUE	FINDS	438	0.083	South
M144 / 52	KERN COUNTY WASTE MA	11400 BORON AVENUE	FINDS	438	0.083	South
M145 / 52	BORON SANITARY LANDF	11400 BORON AVENUE	RGA LF	438	0.083	South
M146 / 52	BORON SANITARY LANDF	11400 BORON AVENUE	ECHO	438	0.083	South
M147 / 52	BORON SANITARY LANDF	11400 BORON AVENUE	RCRA NonGen / NLR	438	0.083	South
M148 / 52	KERN COUNTY WASTE MA	11400 BORON AVENUE	EMI	438	0.083	South
Q159 / 52	OFF BASE ADJACENT AR		UXO	604	0.114	South
Q160 / 52	OFF BASE ADJACENT AR		UXO	604	0.114	South
304 / 52	MICHAEL HENDERSON	12163 EL MIRAGE ST	HAZNET, HWTS	1524	0.289	East
326 / 52	KERN CNTY/GENERAL SV	26998 JOHN ST	HAZNET, HWTS	1864	0.353	North
AO338 / 52	BORON BIBLE CHURCH	26904 NICHOLS ST	RCRA NonGen / NLR	2141	0.405	North
AO339 / 52	BORON BIBLE CHURCH	26904 NICHOLS ST	FINDS, ECHO	2141	0.405	North
AO340 / 52	BORON BIBLE CHURCH	26904 NICHOLS ST	HAZNET, HWTS	2141	0.405	North
346 / 52	DONNA FORT	24330 TAMARISK AVE	HAZNET, HWTS	2226	0.422	ENE
AU370 / 52		11933 NANCY AVE	CHMIRS	2459	0.466	North
AU371 / 52		11933 NANCY AVE	CHMIRS	2459	0.466	North
AU372 / 52		11933 NANCY AVE	CHMIRS	2459	0.466	North
AU373 / 52		11933 NANCY AVE	ERNS	2459	0.466	North
396 / 52	NANCY SWINDLEHURST	24405 TAMARISK AVE	HAZNET, HWTS	2613	0.495	ENE
420 / 52	19097 PED PATH BORON	TWENTY MULE TEAM RD	CIWQS	2805	0.531	North
AZ421 / 52	KNOTTS TEXACO SERVIC	27195 20 M T RD	CA FID UST	2833	0.537	North
AZ433 / 52	ELIZABETH DYSON PROP	27201 TWENTY MULE TE	UST	2891	0.548	North
AZ434 / 52	ELIZABETH DYSON	27201 20 MULE TEAM R	HAZNET, HWTS	2891	0.548	North
AZ435 / 52	STEVE & RANDY'S AUTO	27201 TWENTY MULE TE	HWTS	2891	0.548	North
AZ436 / 52	ROSENDO & EYNA NAVAR	27195 TWENTY MULE TE	CUPA Listings, HAZNET, HWTS	2900	0.549	North
AZ437 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	HAZNET, HWTS	2900	0.549	North
AZ438 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	RGA LUST	2900	0.549	North
AZ439 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	LUST, SWEEPS UST, Cortese, ENF, HIST COR...	2900	0.549	North
AZ440 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	RGA LUST	2900	0.549	North
AZ441 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	CERS	2900	0.549	North
AZ442 / 52	JIMMY'S LUBE AND DET	27195 TWENTY MULE TE	FINDS	2900	0.549	North
AZ443 / 52	BORON SERVICE STATIO	27195 TWENTY MULE TE	FINDS	2900	0.549	North
AZ444 / 52	BORON SERVICE STATIO	27195 20 MULETEAM RD	EDR Hist Auto	2900	0.549	North
AZ445 / 52	TEXACO REFINING AND	27195 TWENTY MULE TE	HWTS	2900	0.549	North

MAPPED SITES SUMMARY - FOCUS MAP 52

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
AZ446 / 52	BORON SERVICE STATIO	27195 20 MULE TEAM R	HWTS	2900	0.549	North
AZ447 / 52	BORON SERVICE STATIO	27195 20 MULE TEAM R	HWTS	2900	0.549	North
AZ448 / 52	BORON SERVICE STATIO	27195 TWENTY MULE TE	UST	2900	0.549	North
BC449 / 52	D J AUTO REPAIR	27127 20 MULE TEAM R	HWTS	2911	0.551	North
BC450 / 52	JIMS MOBIL SERV	27127 TWENTY MULE TE	UST	2911	0.551	North
451 / 52		26962 TWENTY MULE TE	CHMIRS	2916	0.552	North
BE454 / 52	DESERT LAKE COMM SER		ECHO	2962	0.561	ENE
BE462 / 52	DESERT LAKE COMM SER		FINDS	3028	0.573	ENE
BH464 / 52	FAMILY DOLLAR #31432	26645 20 MULE TEAM R	CUPA Listings	3049	0.577	North
BH465 / 52	FAMILY DOLLAR #31432	26645 20 MULE TEAM R	CERS HAZ WASTE, CERS	3049	0.577	North
BH466 / 52	FAMILY DOLLAR INC #1	26645 TWENTY MULE TE	HAZNET, HWTS	3049	0.577	North
BH467 / 52	FAMILY DOLLAR INC #1	26645 TWENTY MULE TE	FINDS, ECHO	3049	0.577	North
BH468 / 52	FAMILY DOLLAR INC #1	26645 TWENTY MULE TE	RCRA NonGen / NLR	3049	0.577	North
BH471 / 52	GREEN FIELD RECYCLE	12025 GARDINER ST	SWRCY	3077	0.583	North
BJ474 / 52	RESIDENCE	12429 DEL ORO ST	HIST UST	3138	0.594	ENE
BJ475 / 52	RESIDENCE	12429 DEL ORO ST	UST	3138	0.594	ENE
BH479 / 52	FAMILY DOLLAR BORON	NEC GARDINER ST AND	NPDES, CIWQS	3181	0.602	North
BM483 / 52	BORON AUTO BODY	26049 20 MULETEAM RD	RCRA-SQG, CA FID UST, FINDS, ECHO	3289	0.623	North
BM484 / 52	BORON AUTO BODY	26049 20 MULETEAM RD	HWTS	3289	0.623	North
489 / 52	44 ELECTRIC	26967 NUDGENT ST	CUPA Listings	3389	0.642	North
490 / 52	PRINCIPAL RESIDENTIA	27011 NUDGENT ST	HAZNET, HWTS	3389	0.642	North
BO496 / 52	VERIZON CALIFORNIA:	12156 ROBERTS AVE	FINDS	3578	0.678	North
BO497 / 52	FRONTIER CALIFORNIA	12156 ROBERTS AVENUE	EMI	3578	0.678	North
BO498 / 52	FRONTIER CALIFORNIA	12156 ROBERTS AVENUE	FINDS	3578	0.678	North
BO499 / 52	VERIZON CALIFORNIA I	12156 ROBERTS AVE	CUPA Listings, HAZNET, HWTS	3578	0.678	North
BP500 / 52	GEPHART SCHOOL	T11N R7W SECTION 19	LUST	3615	0.685	North
BP501 / 52	GEPHART SCHOOL	T11N R7W SECTION 19	LUST, Cortese, HIST CORTESE, CERS	3616	0.685	North
BQ503 / 52	DEBORD-PRIVATE RESID	27044 ANDERSON ST	UST	3658	0.693	North
BQ504 / 52	1X DEBORD CEPTIC SVC	27044 ANDERSON STREE	HAZNET, HWTS	3658	0.693	North
BQ505 / 52	DEBORD SEPTIC TANK S	27044 ANDERSON ST	HIST UST	3658	0.693	North
BR506 / 52	DODDERER THIRD PARTY	26960 ANDERSON ST	FINDS	3694	0.700	North
BR507 / 52	DODDERER THIRD PARTY	26960 ANDERSON ST	ECHO	3694	0.700	North
BR508 / 52	DODDERER THIRD PARTY	26960 ANDERSON ST	RCRA NonGen / NLR	3694	0.700	North
BR509 / 52	DODDERER THIRD PARTY	26960 ANDERSON ST	HAZNET, HWTS	3694	0.700	North
514 / 52	JANET EYRE	27163 ANDERSON ST	HAZNET, HWTS	3831	0.726	North
545 / 52	HENRY DELGADO	27132 COTE ST	HAZNET, HWTS	4071	0.771	North
BX550 / 52	KERN COUNTY FIRE DEP	26965 COTE ST	UST	4199	0.795	North
BX551 / 52	KERN COUNTY FIRE DEP	26965 COTE ST	FINDS	4199	0.795	North
BX552 / 52	KERN COUNTY FIRE DEP	26965 COTE ST	HWTS	4199	0.795	North

MAPPED SITES SUMMARY - FOCUS MAP 52

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

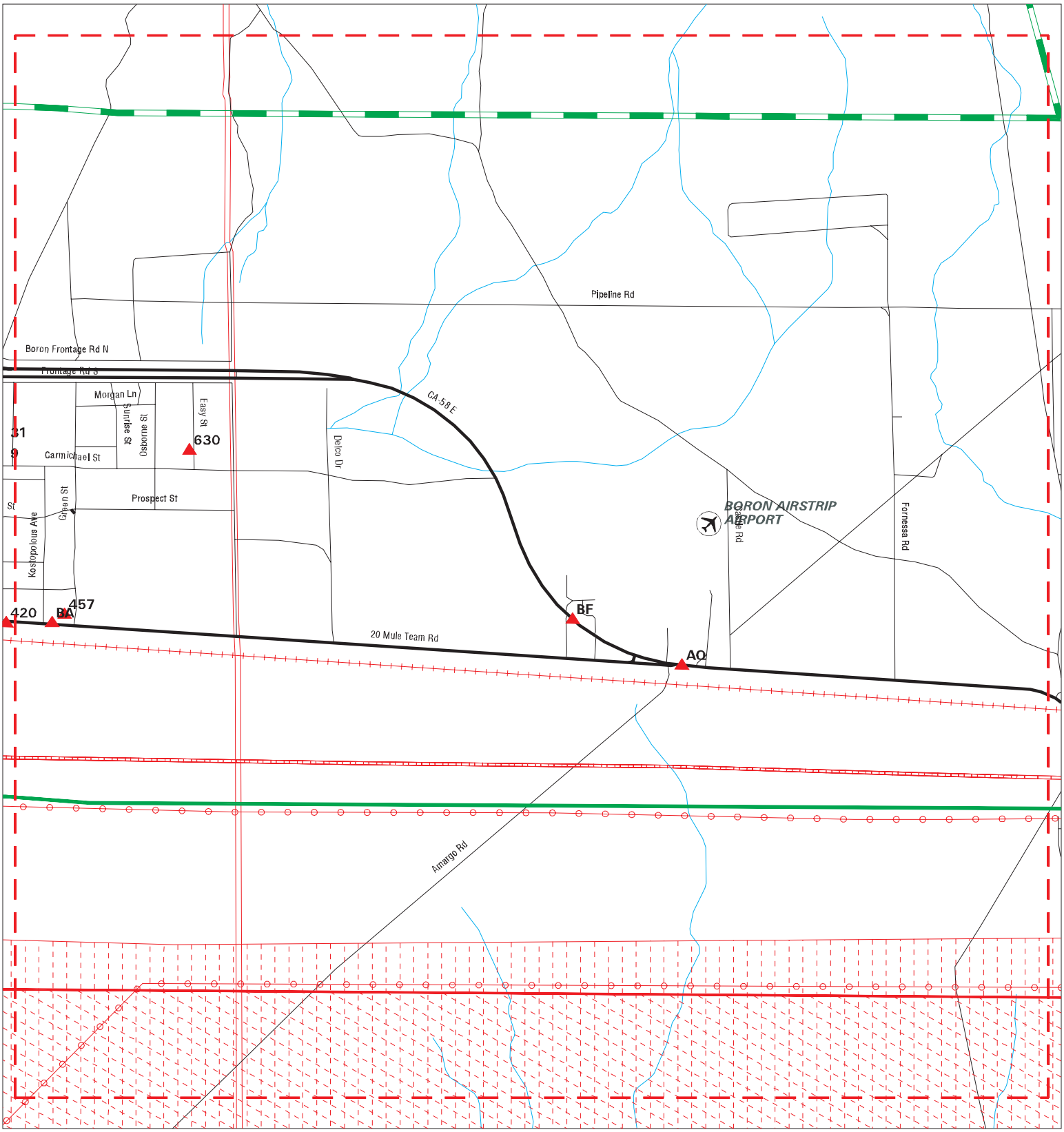
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
BX553 / 52	KERN COUNTY FIRE DEP	26965 COTE STREET	EMI	4199	0.795	North
BX554 / 52	KERN CO FIRE DEPT ST	26965 COTE ST	LUST, SWEEPS UST, HIST UST, CA FID UST, ...	4199	0.795	North
BX555 / 52	BEHIND FIRE STATION	26965 COTE ST	FINDS	4199	0.795	North
BX556 / 52	1X KERN COUNTY FIRE	26965 COTE STREET	HAZNET, HWTS	4199	0.795	North
BX557 / 52	KERN COUNTY FIRE STA	26965 COTE ST	RGA LUST	4199	0.795	North
BX558 / 52	COUNTY OF KERN	26965 COTE ST	LUST, HAZNET, HIST CORTESE, HWTS	4199	0.795	North
BX559 / 52	KERN COUNTY FIRE DEP	26965 COTE ST	HIST UST	4199	0.795	North
BY562 / 52	ROSS E SWINDELHURST	12313 BORON AVE	FINDS, ECHO	4270	0.809	North
BY563 / 52	ROSS E SWINDELHURST	12313 BORON AVE	RCRA NonGen / NLR	4270	0.809	North
BY564 / 52	ROSS E SWINDELHURST	12313 BORON AVE	HWTS	4270	0.809	North
570 / 52	MILLER, WILLIAM AND	27144 JEROME STREET	HAZNET, HWTS	4413	0.836	North
CB571 / 52	BORON SHELL	12366 BORON AVE	UST	4530	0.858	North
CB572 / 52	BORON SHELL	12366 BORON AVENUE	EMI	4530	0.858	North
CB573 / 52	CIRCLE K STORE #749	12366 BORON AVE	RGA LUST	4530	0.858	North
CB574 / 52	CIRCLE K #749	12366 BORON AVE	RGA LUST	4530	0.858	North
CB575 / 52	BORON SHELL	12366 BORON AVENUE	FINDS	4530	0.858	North
CB576 / 52	CIRCLE K #749	12366 BORON AVE	LUST, SWEEPS UST, Cortese	4530	0.858	North
CB577 / 52	CIRCLE K STORE #749	12366 BORON AVE	RCRA-SQG, LUST, CERS HAZ WASTE, HIST UST..	4530	0.858	North
CC578 / 52	BETTY MILLER	27095 JEROME STREET	RCRA NonGen / NLR	4544	0.861	North
CC579 / 52	BETTY MILLER	27095 JEROME STREET	FINDS, ECHO	4544	0.861	North
CC580 / 52	BETTY MILLER	27095 JEROME STREET	HWTS	4544	0.861	North
581 / 52	BORON STP	WEST BORON	ENF, WDS, WDR, CIWQS, CERS	4544	0.861	North
582 / 52	U S BORAX INC	BORAX RD 1-MI N OF H	UST	4565	0.865	North
CD583 / 52	BORON MAINTENANCE FA	26653 PROSPECT AVENU	FINDS	4587	0.869	North
CD584 / 52	MUROC JOINT UNIFIED	26653 PROSPECT ST	FINDS	4587	0.869	North
CD585 / 52	MJUSD-MUROC JOINT UN	26653 PROSPECT	HAZNET, HWTS	4587	0.869	North
CD586 / 52	BORON MAINTENANCE FA	26653 PROSPECT AVENU	LUST, Cortese	4587	0.869	North
CD587 / 52	MUROC JOINT USD-MAIN	26653 PROSPECT ST	UST	4587	0.869	North
CD588 / 52	MUROC JOINT UNIFIED	26653 PROSPECT STREE	EMI	4587	0.869	North
CD589 / 52	MUROC JOINT UNIFIED	26653 PROSPECT STREE	EMI	4587	0.869	North
CD590 / 52	BORON HIGH SCHOOL	26653 PROSPECT	HIST UST	4587	0.869	North
CD591 / 52	MUROC JT UNIF SCHL D	26653 PROSPECT ST	RCRA-SQG, FINDS, ECHO	4587	0.869	North
CD592 / 52	MUROC JOINT USD-MAIN	26653 PROSPECT ST	CERS HAZ WASTE, CERS TANKS, CUPA Listing...	4587	0.869	North
CD593 / 52	1X MUROC JOINT U S D	26653 PROSPECT	HAZNET, HWTS	4587	0.869	North
CD594 / 52	MUROC SCHOOL DIST MA	26653 PROSPECT ST	RGA LUST	4587	0.869	North
CD595 / 52	BORON MAINTENANCE FA	26653 PROSPECT RD	RGA LUST	4587	0.869	North
CD596 / 52	BORON MAINTENANCE FA	26653 PROSPECT AVENU	RGA LUST	4587	0.869	North
CD597 / 52	MUROC JOINT USD-MAIN	26653 PROSPECT ST	AST	4587	0.869	North
CD598 / 52	MUROC JOINT USD-MAIN	26653 PROSPECT	AST	4587	0.869	North

MAPPED SITES SUMMARY - FOCUS MAP 52

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
CD599 / 52	BORON MAINTENANCE	26653 PROSPECT AVENU	RGA LUST	4587	0.869	North
CD600 / 52	BORON HIGH SCHOOL	26653 PROSPECT	LUST, SWEEPS UST, CA FID UST, CERS	4587	0.869	North
CF604 / 52	BORON JUNIOR SENIOR	26831 PROSPECT STREE	HAZNET, NPDES, CIWQS, CERS, HWTS	4715	0.893	North
CF605 / 52	1X BORON HIGH SCHOOL	26831 PROSPECT ST	HAZNET, HWTS	4715	0.893	North
CF606 / 52		26831 PROSPECT	CHMIRS	4715	0.893	North
CF607 / 52	BORON JR SR HIGH SCH	26831 PROSPECT ST	HAZNET, HWTS	4715	0.893	North
CF608 / 52	BORON HIGH SCHOOL	26831 PROSPECT ST	CUPA Listings, HAZNET, HWTS	4715	0.893	North
CG609 / 52	ED SAUSER	27022 PROSPECT ST	SWEEPS UST, CA FID UST	4763	0.902	North
CG610 / 52	ED SAUSER	27022 PROSPECT ST	HIST UST	4763	0.902	North
629 / 52	BERNARD SEARCY	27233 CARMICHAEL ST	RCRA NonGen / NLR	5362	1.016	North
631 / 52	KRAMER SERVICES CORP	12580 SUGAR ST	EDR Hist Auto	5692	1.078	North
637 / 52	ARACELI LIMA	12603 ESTHER ST	RCRA NonGen / NLR	5824	1.103	North
659 / 52	VERIZON WIRELESS BOR	12547 BORON AVE	CUPA Listings, CERS	6476	1.227	North

Focus Map - 53 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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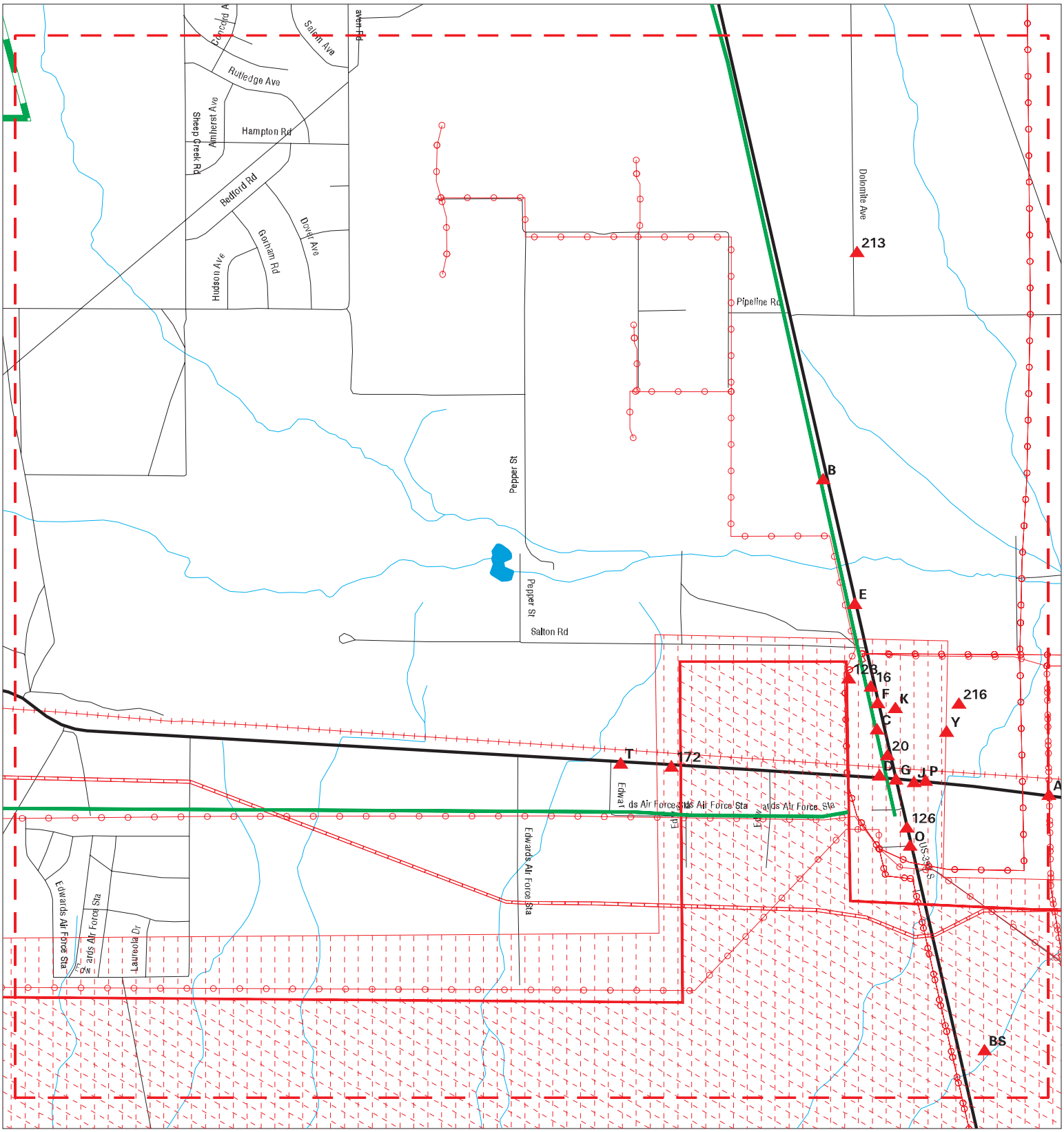
MAPPED SITES SUMMARY - FOCUS MAP 53

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
AQ349 / 53	FOUR CORNERS UNOCAL	2851 STATE HWY 58	FINDS	2243	0.425	North
AQ350 / 53	FOUR CORNERS UNOCAL	2851 STATE HWY 58	RGA LUST	2243	0.425	North
AQ351 / 53	FOUR CORNERS UNOCAL	2851 STATE HWY 58	LUST, Cortese, HAZNET, CERS, HWTS	2243	0.425	North
AQ352 / 53	FOUR CORNERS CHEVRON	2852 HWY 58	CERS	2283	0.432	North
AQ353 / 53	FOUR CORNERS CHEVRON	2852 HWY 58	RGA LUST	2283	0.432	North
AQ354 / 53	FOUR CORNERS CHEVRON	2852 HWY 58	FINDS	2283	0.432	North
AQ355 / 53	11756 RB6T	2852 HWY 58	FINDS	2283	0.432	North
AQ356 / 53	FOUR CORNERS CHEVRON	2852 HWY 58	LUST, Cortese, EMI, HIST CORTESE, San Be...	2283	0.432	North
BA423 / 53	1X J.C. FENNEL AND S	27401 TWENTY MULE TE	HAZNET, HWTS	2858	0.541	North
BA424 / 53	J C FENNELL & SONS	27401 20 MULE TEAM R	CA FID UST	2858	0.541	North
BA425 / 53	FENNELL & SON'S GARA	27401 20 MULE TEAM R	UST	2858	0.541	North
BA426 / 53	JC FENNEL & SONS	27401 20 MULE TEAM R	LUST, SWEEPS UST, HIST CORTESE	2858	0.541	North
BA427 / 53	JC FENNEL & SONS	27401 20 MULE TEAM R	RGA LUST	2858	0.541	North
BA428 / 53	FORMER JC FENNEL & S	27401 20 MULE TEAM R	FINDS	2858	0.541	North
BA429 / 53	JC FENNELL & SONS GA	27401 20 MULE TEAM R	LUST, Cortese, CERS	2858	0.541	North
BA430 / 53	J.C. FENNEL & SONS	27401 20 MULE TEAM R	RGA LUST	2858	0.541	North
457 / 53	MICHAEL & DIANA VERO	27457 TWENTY MULE TE	HAZNET, HWTS	3005	0.569	North
BF458 / 53	G&J HEAVY HAUL INC.	2564 CA-58	RCRA NonGen / NLR	3008	0.570	North
BF459 / 53	G&J HEAVY HAUL INC.	2564 CA-58	ECHO	3008	0.570	North
BF460 / 53	G&J HEAVY HAUL INC.	2564 CA-58	FINDS	3008	0.570	North
BF461 / 53	G&J HEAVY HAUL INC.	2564 CA-58	HWTS	3008	0.570	North
630 / 53	RUDY VALDEZ	12567 EASY ST	RCRA NonGen / NLR	5685	1.077	North

Focus Map - 54 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 54

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
B3 / 54	SEGS III-VII	41100 HIGHWAY 395	UST	TP		
B4 / 54	SEGS III-VII	41100 HWY 395	AST	TP		
C5 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	HAZNET, HWTS	TP		
C6 / 54	KRAMER SERVICES	40716 HIGHWAY 395	RCRA NonGen / NLR	TP		
C7 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	RCRA NonGen / NLR	TP		
C8 / 54	KRAMER SERVICES	40716 HIGHWAY 395	FINDS, ECHO	TP		
C9 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	RCRA NonGen / NLR	TP		
C10 / 54	GRANITE CONSTRUCTION	40716 US HIGHWAY 395	HAZNET, HWTS	TP		
C11 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	FINDS, ECHO	TP		
C12 / 54	KRAMER SERVICES	40716 HIGHWAY 395	HWTS	TP		
C13 / 54	STATE OF CALIFORNIA	40716 US HIGHWAY 395	HWTS	TP		
D15 / 54	BEECHERS CORNER	JCT HWYS 58 & 395	SWEEPS UST, CA FID UST	71	0.013	WSW
16 / 54	KRAMER SERVICES CORP	40808 W US HIGHWAY 3	EDR Hist Auto	75	0.014	ENE
D17 / 54	UNICOR FEDERAL PRISO	HWY 395 SIX MILES NO	RCRA NonGen / NLR	80	0.015	WSW
D18 / 54		BLOUGNT INTERNATIONA	ERNS	82	0.016	WSW
D19 / 54		BLOUNT INTL/HWY 58X	ERNS	82	0.016	WSW
20 / 54	CALTRANS BEECHERS MA	40400 JCT US 395	SWF/LF, CERS	94	0.018	ENE
D21 / 54	BOB'S CHEVRON	SR395/HWY 58 KMR JCT	SWEEPS UST, CA FID UST	99	0.019	WSW
E23 / 54	SEGS III-VII KRAMER	41100 HWY 395	WDS	112	0.021	ENE
E24 / 54	SEGS 3-7 BIOREMEDIAT	41100 HWY 395	WDS	112	0.021	ENE
E25 / 54	KRAMER JUNCTION COMP	41100 HIGHWAY 395	LDS, EMI, ENF, San Bern. Co. Permit, CIW...	112	0.021	ENE
E26 / 54		41100 HY 395	ERNS	112	0.021	ENE
E27 / 54	SEGS X HARPER LAKE	41100 HWY 395	WMUDS/SWAT	112	0.021	ENE
E28 / 54	SEGS III-VII KRAMER	41100 HWY 395	WMUDS/SWAT	112	0.021	ENE
E29 / 54	SEGS 3-7 BIOREMEDIAT	41100 HWY 395	WMUDS/SWAT	112	0.021	ENE
E30 / 54	SEGS III-VII	41100 US HIGHWAY 395	FINDS	112	0.021	ENE
E31 / 54		41100 HWY 395	CHMIRS	112	0.021	ENE
E32 / 54	LUZ SOLAR PARTNERS L	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E33 / 54		41100 HIGHWAY 395, N	CHMIRS	112	0.021	ENE
E34 / 54	LUZ SOLAR PARTNERS I	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E35 / 54	LUZ ENGINEERING CORP	41100 HWY 395	HAZNET, HWTS	112	0.021	ENE
E36 / 54	LUZ SOLAR PARTNERS L	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E37 / 54	LUZ SOLAR PARTNERS L	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E38 / 54	KRAMER JUNCTION COMP	41100 HIGHWAY 395	CERS	112	0.021	ENE
E39 / 54	SEGS X	41100 HWY 395	CERS	112	0.021	ENE
E40 / 54	LUZ ENGINEERING CORP	41100 HWY 395	HAZNET, HWTS	112	0.021	ENE
E41 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E42 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E43 / 54		41100 HWY 395	CHMIRS	112	0.021	ENE

MAPPED SITES SUMMARY - FOCUS MAP 54

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
E44 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E45 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E46 / 54	SEGS III-VII	41100 US HIGHWAY 395	AST	112	0.021	ENE
E47 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E48 / 54	SEGS 3-7 THREE SURFA	41100 HWY 395	CERS	112	0.021	ENE
E49 / 54		41100 HIGHWAY 395	CHMIRS	112	0.021	ENE
E50 / 54		41100 HIGHWAY 395	CHMIRS	112	0.021	ENE
E51 / 54		41100 HWY 395 CLOSES	CHMIRS	112	0.021	ENE
E52 / 54	LUZ SOLAR PARTNERS I	41100 HIGHWAY 395	RCRA-LQG, FINDS, ECHO	112	0.021	ENE
E53 / 54	SEGS 3-7: BIOREMEDIA	41100 HWY 395	CERS	112	0.021	ENE
E54 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E55 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E56 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E57 / 54	LUZ SOLAR PARTNERS,	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE
E58 / 54	KRAMER JUNCTION COMP	41100 HIGHWAY 395	FINDS, ECHO	112	0.021	ENE
E59 / 54	LUZ SOLAR PARTNERS V	41100 HWY 395	ICIS	112	0.021	ENE
E60 / 54		41100 HIGHWAY 395, N	CHMIRS	112	0.021	ENE
E61 / 54	SEGS 3-7: THREE SURF	41100 HWY 395	CERS	112	0.021	ENE
E62 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E63 / 54		41100 HIGHWAY 395	CHMIRS	112	0.021	ENE
E64 / 54		41100 HWY. 395 CRAME	CHMIRS	112	0.021	ENE
E65 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E66 / 54		41100 HWY. 395, NEAR	CHMIRS	112	0.021	ENE
E67 / 54		41100 HWY 395	CHMIRS	112	0.021	ENE
E68 / 54		41100 HWY 395	CHMIRS	112	0.021	ENE
E69 / 54		41100 HWY. 395, NEAR	CHMIRS	112	0.021	ENE
E70 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E71 / 54		41100 HWY 395	ERNS	112	0.021	ENE
E72 / 54	LUZ ENGINEERING CORP	41100 HWY 395	HWTS	112	0.021	ENE
E73 / 54		41100 HIGHWAY 395, B	CHMIRS	112	0.021	ENE
E74 / 54	LUZ SOLAR PARTNERS I	41100 HIGHWAY 395	EMI	112	0.021	ENE
E75 / 54	1X LUZ ENGINEERING C	41100 HWY 395	HWTS	112	0.021	ENE
E76 / 54	LUZ ENGINEERING CORP	41100 HWY 395	RCRA-SQG	112	0.021	ENE
E77 / 54	LUZ SOLAR PARTNERS I	41100 US HIGHWAY 395	RCRA-LQG	112	0.021	ENE
E78 / 54	LUZ SOLAR PARTNERS I	41100 US HIGHWAY 395	CERS HAZ WASTE, CERS TANKS, HAZNET, San ...	112	0.021	ENE
E79 / 54	LUZ SOLAR PARTNERS I	41100 HIGHWAY 395	FINDS, ECHO	112	0.021	ENE
E80 / 54	SEGS (III THROUGH VI	41100 HIGHWAY 395	EMI	112	0.021	ENE
E81 / 54		41100 HWY. 395	CHMIRS	112	0.021	ENE
E82 / 54	LUZ SOLAR PARTNERS,	41100 US HIGHWAY 395	HAZNET, HWTS	112	0.021	ENE

MAPPED SITES SUMMARY - FOCUS MAP 54

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

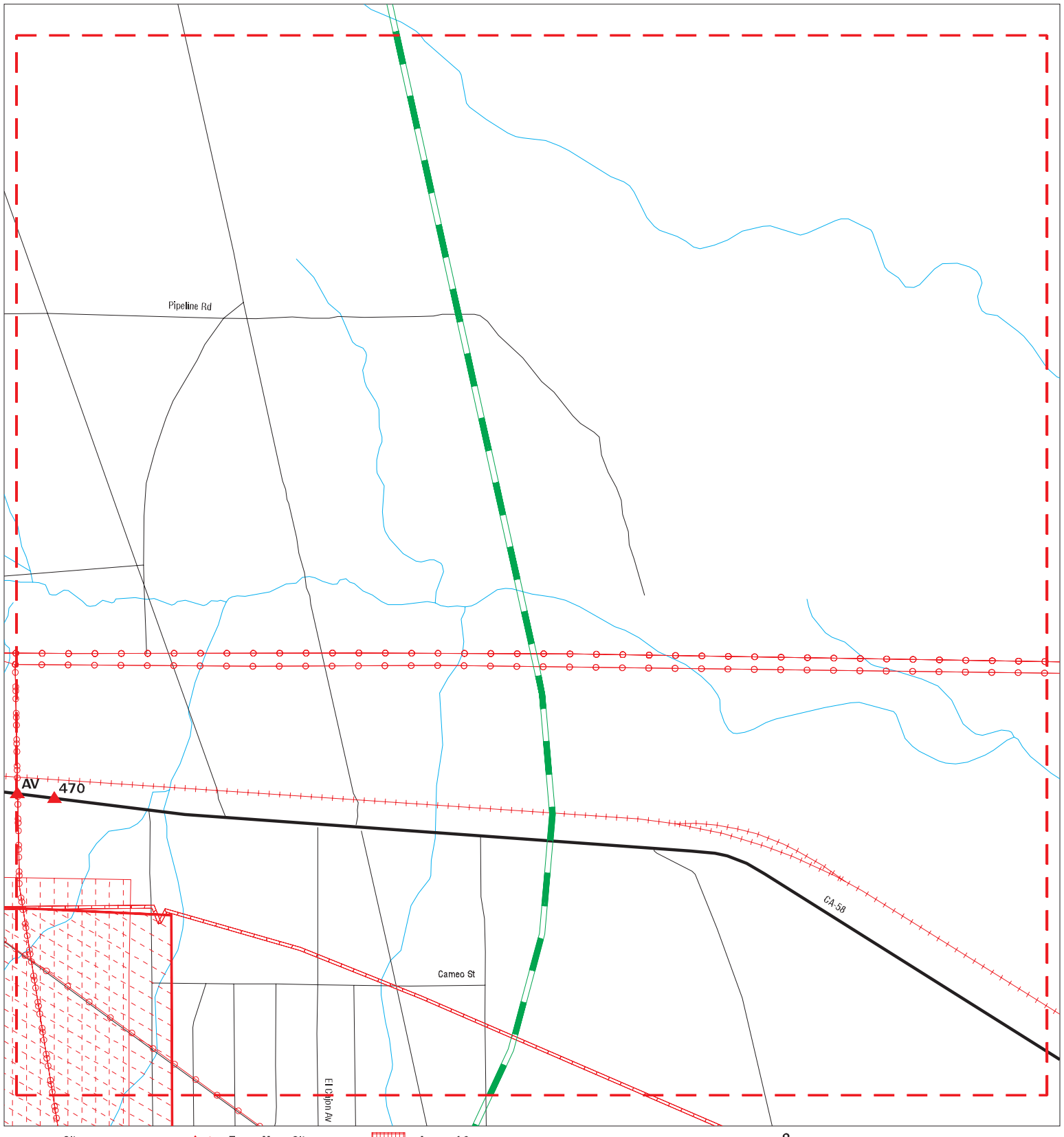
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
E83 / 54	FLP FLORIDA LIGHT &	41100 HWY 395	ICIS, US AIRS	112	0.021	ENE
E84 / 54	LUZ ENGINEERING CORP	41100 HWY 395	RCRA-SQG	112	0.021	ENE
D86 / 54	FEDERAL PRISON CAMP	HWY 395	LUST, HIST UST, Cortese, HIST CORTESE	121	0.023	WSW
F88 / 54	FOUR CORNERS SERVICE	40808 STATE HIGHWAY	UST	123	0.023	ENE
F89 / 54	FOUR CORNERS SERVICE	40808 HWY 395	San Bern. Co. Permit	123	0.023	ENE
D90 / 54	PILOT TRAVEL CENTERS	5725 E STATE HIGHWAY	EDR Hist Auto	135	0.026	WSW
G91 / 54	FOUR CORNERS UNION	HWY. 395 AND HWY. 58	RGA LUST	147	0.028	ENE
G92 / 54	GHAZALEH MOBIL	395 & 58 HWY	HWTS	147	0.028	ENE
G93 / 54	CAL TRANS DIST 8/NOR	HIGHWAYS 58 & 395	SWEEPS UST	147	0.028	ENE
G94 / 54	SOUTHERN CALIFORNIA	CORNER OF HWY 58 & H	HWTS	147	0.028	ENE
G95 / 54	WAYSTATION UNOCAL 76	HIGHWAY 58 AND 395	FINDS	147	0.028	ENE
G96 / 54	G & M MOBIL SERVICE	HWY 58 & HWY 395	EDR Hist Auto	147	0.028	ENE
G97 / 54	FOUR CORNERS UNOCAL	HWY 395 & HWY 58	HIST CORTESE	147	0.028	ENE
G98 / 54	KRAMER SERVICES CORP	HWY 395 & HWY 58	EDR Hist Auto	147	0.028	ENE
G99 / 54		HWY 395 AND HWY 58	ERNS	147	0.028	ENE
G100 / 54	SCE KRAMER SUBSTATIO	HIGHWAY 395 & HIGHWA	San Bern. Co. Permit, CERS	147	0.028	ENE
G101 / 54	FOUR CORNERS UNOCAL	HWY 395 & HWY 58	RGA LUST	147	0.028	ENE
G102 / 54	KIEWIT INFRASTRUCTUR	STATE ROUTE 58 & HIG	EMI	147	0.028	ENE
G103 / 54	PILOT TRAVEL CTR 200	US 395 AND US 58	CIWQS	147	0.028	ENE
G104 / 54	PILOT TRAVEL CTR 200	US 395 & US 58	CIWQS	147	0.028	ENE
G105 / 54	FOUR CORNERS UNOCAL	HWY 395 & HWY 58	RGA LUST	147	0.028	ENE
G106 / 54	WAYSTATION UNOCAL 76	HIGHWAY 58 AND 395	EMI	147	0.028	ENE
D108 / 54	PILOT TRAVEL CENTER	5725 HWY 58	CERS HAZ WASTE, CERS TANKS, EMI, San Ber...	209	0.040	WSW
D109 / 54		5725 HWY 58	CHMIRS	209	0.040	WSW
D110 / 54		5725 HIGHWAY 58	CHMIRS	209	0.040	WSW
D111 / 54	CR ENGLAND TRUCKING	5725 HIGHWAY 58	CHMIRS, HAZNET, HWTS	209	0.040	WSW
D112 / 54	PILOT TRAVEL CENTER	5725 HIGHWAY 58	RCRA NonGen / NLR	209	0.040	WSW
D113 / 54	PILOT TRAVEL CENTERS	5725 HIGHWAY 58	EDR Hist Auto	209	0.040	WSW
D114 / 54	PILOT TRAVEL CENTER	5725 HIGHWAY 58	FINDS, ECHO	209	0.040	WSW
D115 / 54	PILOT TRAVEL CENTER	5725 HWY 58	FINDS	209	0.040	WSW
D116 / 54	PILOT LLC	5725 HWY 58	HAZNET, HWTS	209	0.040	WSW
D117 / 54	PILOT TRAVEL CENTER	5725 HIGHWAY 58	HAZNET, HWTS	209	0.040	WSW
D118 / 54		5725 HWY 58	CHMIRS	209	0.040	WSW
D119 / 54	PILOT TRAVEL CENTER	5725 HWY 58	UST	209	0.040	WSW
123 / 54	CALTRANS HIGHWAY 58	WEST OF HIGHWAY 395	NPDES, CIWQS	246	0.047	WSW
126 / 54	STATEWIDE HYDROSTATI	HIGHWAY 395 AT HIGHW	CIWQS	258	0.049	SE
J128 / 54	ROADHOUSE RESTAURANT	HWY 395 KRAMER JUNCT	ENF, WDS, WDR, CIWQS, CERS	296	0.056	ENE
K135 / 54	KRAMER JUNCTION EXPR		CIWQS	384	0.073	ENE
K136 / 54	KRAMER JUNCTION EXPR		CERS	384	0.073	ENE

MAPPED SITES SUMMARY - FOCUS MAP 54

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
J140 / 54	PILOT TRAVEL CENTER	5823 CA-58	HAZNET, HWTS	419	0.079	ENE
O152 / 54	CALTRANS - BEECHERS	40400 HWY 395	EMI	524	0.099	SSE
O153 / 54	CALTRANS - BEECHERS	40400 STATE HWY 395	EMI	524	0.099	SSE
P155 / 54	FOUR CORNERS CHEVRON	5852 HWY 58	UST	604	0.114	ENE
P156 / 54	FOUR CORNERS CHEVRON	5852 HWY 58	FINDS	604	0.114	ENE
P157 / 54	FOUR CORNERS CHEVRON	5852 HWY 58	CERS HAZ WASTE, CERS TANKS, CERS	604	0.114	ENE
P158 / 54	FOUR CORNERS CHEVRON	5852 HWY 58	RGA LUST	604	0.114	ENE
P165 / 54	EXPRESS TRUCK TIRES	5875 HIGHWAY 58	HWTS	718	0.136	ENE
P166 / 54	EXPRESS TIRES	5875 HIGHWAY 58	HWTS	718	0.136	ENE
P167 / 54	EXPRESS TIRES	5875 HIGHWAY 58	ECHO	718	0.136	ENE
P168 / 54	EXPRESS TIRES	5875 HIGHWAY 58	RCRA NonGen / NLR	718	0.136	ENE
172 / 54		CEDAR LANDMARK INC -	CHMIRS	774	0.147	North
T175 / 54	KASSMA INC DBA ARCO	5121 E STATE HIGHWAY	HWTS	788	0.149	North
T176 / 54	FOUR CORNER ARCO AM	5121 HGWY 58	EDR Hist Auto	788	0.149	North
T177 / 54	ATHANOR ENVIRONMENTA	5121 HIGHWAY 58	HAZNET, HWTS	788	0.149	North
T178 / 54	FOUR CORNERS ARCO AM	5121 HWY 58	UST	788	0.149	North
T179 / 54	CEDAR LANDMARK INC A	5121 E STATE HIGHWAY	RCRA NonGen / NLR	788	0.149	North
T180 / 54	CEDAR LANDMARK INC A	5121 E STATE HIGHWAY	HAZNET, HWTS	788	0.149	North
T181 / 54	CEDAR LANDMARK INC	5121 HWY 58	HWTS	788	0.149	North
T182 / 54	CEDAR LANDMARK INC A	5121 E STATE HIGHWAY	FINDS, ECHO	788	0.149	North
T183 / 54	KASSMA INC. ARCO AM/	5121 HWY 58	FINDS	788	0.149	North
T184 / 54	FOUR CORNERS ARCO AM	5121 HIGHWAY 58	FINDS	788	0.149	North
T185 / 54		5121 HWY 58	CHMIRS	788	0.149	North
T186 / 54	CEDAR LANDMARK INC	5121 HWY 58	UST	788	0.149	North
T187 / 54	CEDAR LANDMARK INC	5121 HWY 58	CERS HAZ WASTE, CERS TANKS, San Bern. Co...	788	0.149	North
T188 / 54	FOUR CORNERS ARCO AM	5121 HIGHWAY 58	LUST, Cortese, EMI, CERS	788	0.149	North
T189 / 54	FOUR CORNER ARCO AM	5121 E STATE HIGHWAY	EDR Hist Auto	788	0.149	North
T190 / 54		5121 HWY 58, ARCO AM	CHMIRS	788	0.149	North
Y202 / 54	KRAMER POTASH PLANT		FUDS	1101	0.209	ENE
Y203 / 54	KRAMER POTASH PLANT		ENVIROSTOR	1127	0.213	ENE
213 / 54	RHO COLEMANITE DEPOS		MINES MRDS	1364	0.258	ENE
216 / 54	KIEWIT INFRASTRUCTUR	5955 SALTON RD	NPDES, San Bern. Co. Permit, CIWQS, CERS	1391	0.263	ENE
BS521 / 54	SCG - KRAMER JUNCTIO	SECTION 4 T10N R6W	EMI, CERS	4009	0.759	SSE
BS522 / 54	SCG - KRAMER JUNCTIO	SECTION 4, T10N R6W	EMI	4009	0.759	SSE

Focus Map - 55 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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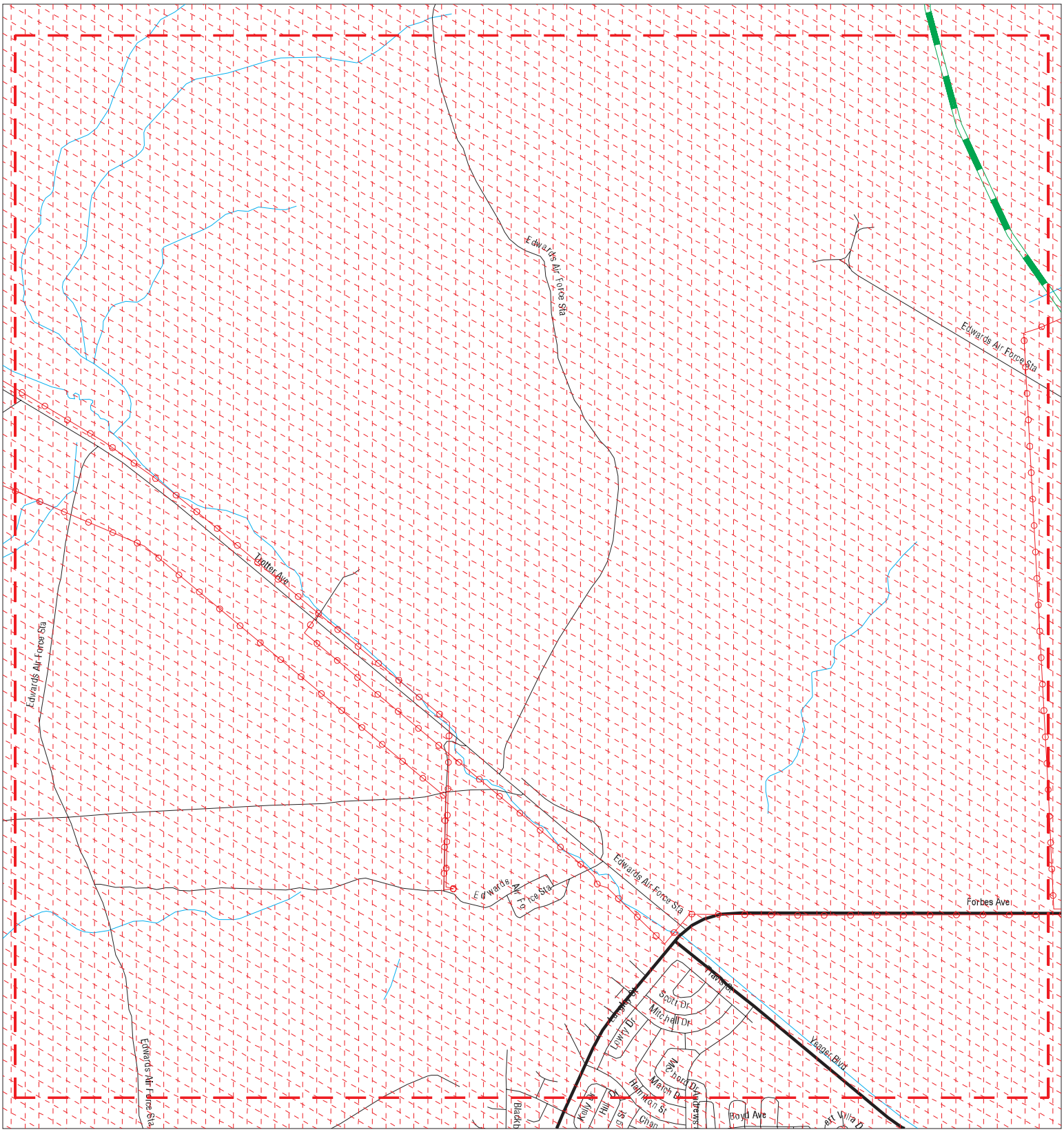
MAPPED SITES SUMMARY - FOCUS MAP 55

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION		
AV378 / 55	FOUR CORNERS UNION	6158 HWY 58 KRAMER J	HWTS	2489	0.471	East
AV379 / 55	KAREN CAILLIER	6158 HWY 58	HWTS	2489	0.471	East
AV380 / 55	FOUR CORNERS UNION	6158 HWY 58 KRAMER J	FINDS, ECHO	2489	0.471	East
AV381 / 55	FOUR CORNERS UNION	6158 HWY 58 KRAMER J	RCRA NonGen / NLR	2489	0.471	East
AV382 / 55	FOUR CORNERS UNION	6158 HWY 58 B	UST	2489	0.471	East
AV383 / 55	FOUR CORNERS UNION	6158 HWY 58 B B	San Bern. Co. Permit	2489	0.471	East
AV384 / 55	WAY STATION MINI MAR	6158 E STATE HIGHWAY	EDR Hist Auto	2489	0.471	East
AV385 / 55	FOUR CORNERS UNION	6158 HWY 58 B	CERS HAZ WASTE, CERS TANKS, CERS	2489	0.471	East
AV386 / 55	AT&T MOBILITY - BORO	6158 E STATE HIGHWAY	San Bern. Co. Permit, CERS	2489	0.471	East
AV387 / 55	FOUR CORNERS UNION	6158 HWY 58 B	FINDS	2489	0.471	East
AV388 / 55	AT&T MOBILITY #11335	6158 E STATE HIGHWAY	FINDS	2489	0.471	East
AV389 / 55	AT AND T MOBILITY -	6158 HIGHWAY 58	CUPA Listings	2489	0.471	East
AV392 / 55	FOUR CORNERS UNION S	6158B HWY 58	EDR Hist Auto	2497	0.473	East
470 / 55	FOUR CORNERS UNION	6258 HWY 58	UST	3077	0.583	East

Focus Map - 56 - 06704966.5r


Edwards Air Force Sta
Edwards Air Force Sta
Edwards Air Force Sta

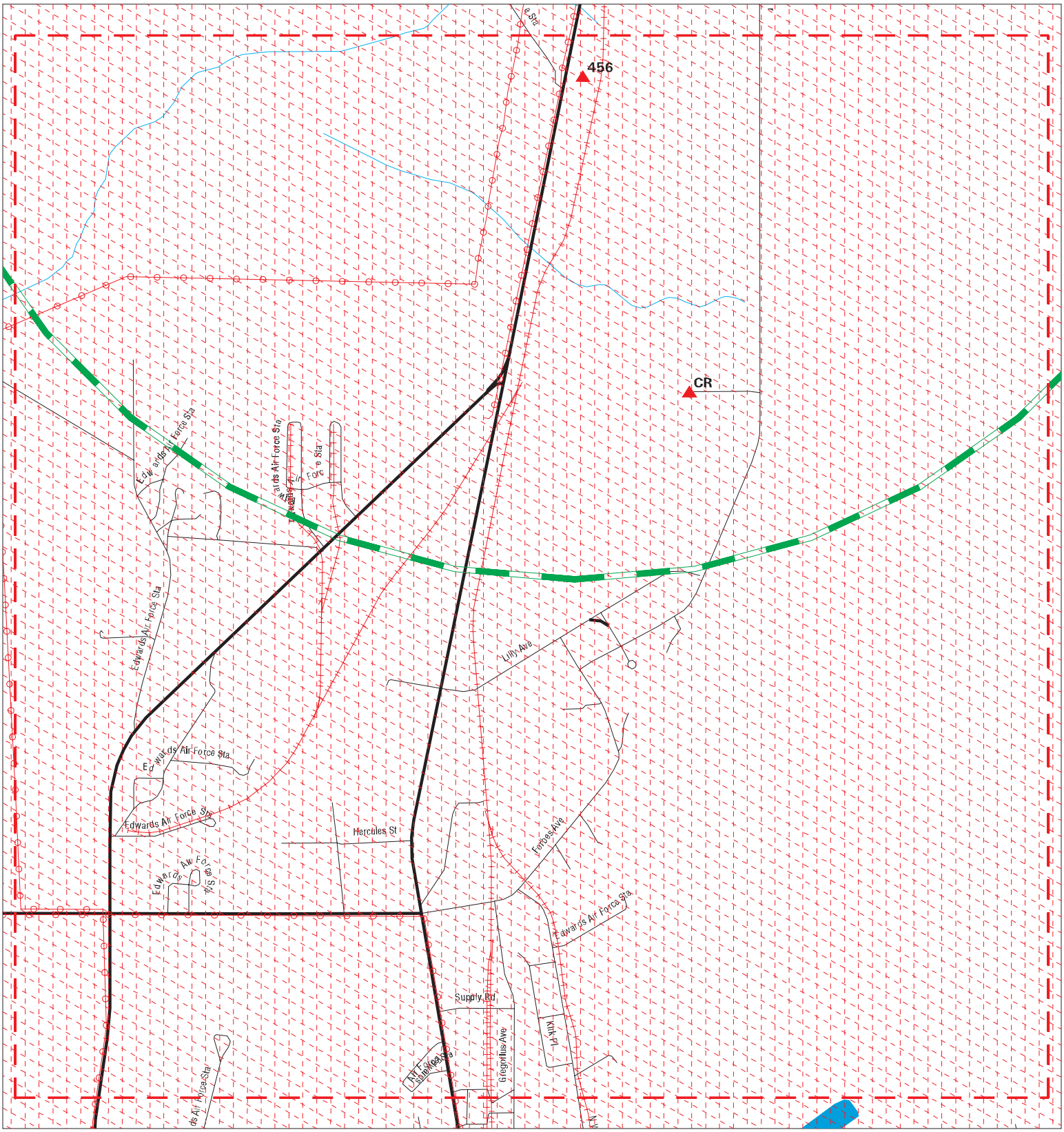
MAPPED SITES SUMMARY - FOCUS MAP 56

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 57 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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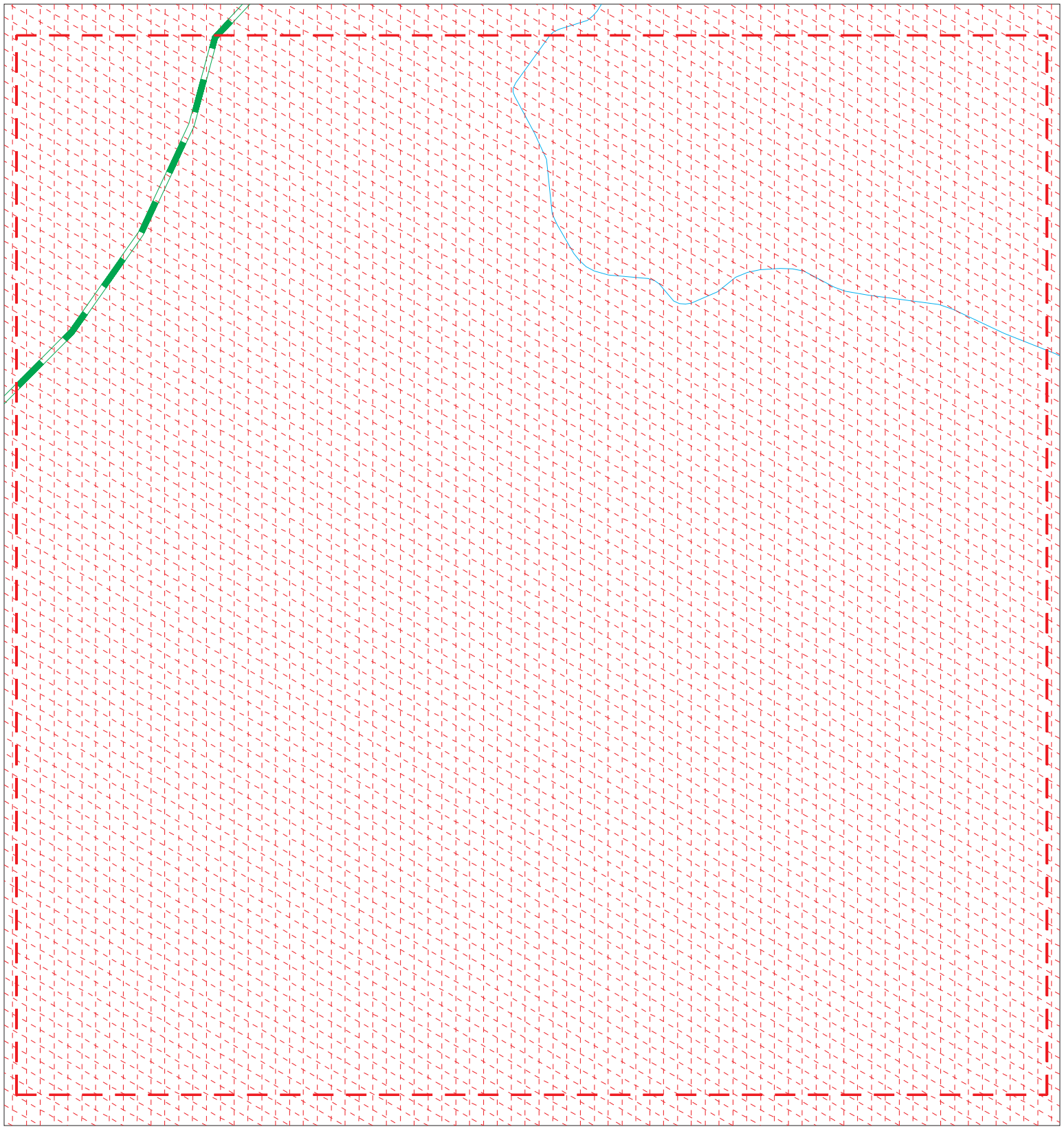
MAPPED SITES SUMMARY - FOCUS MAP 57

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
456 / 57	EDWARDS AIR FORCE BA		MCS	3001 0.568 South
CR665 / 57	NASA ARMSTRONG FLIGH	BLDG 4800 EDWARDS AF	ICE, HWP	8260 1.564 SSE
CR666 / 57	NASA - DRYDEN FLIGHT	BLDG 4800 EDWARDS AF	ENVIROSTOR	8260 1.564 SSE

Focus Map - 58 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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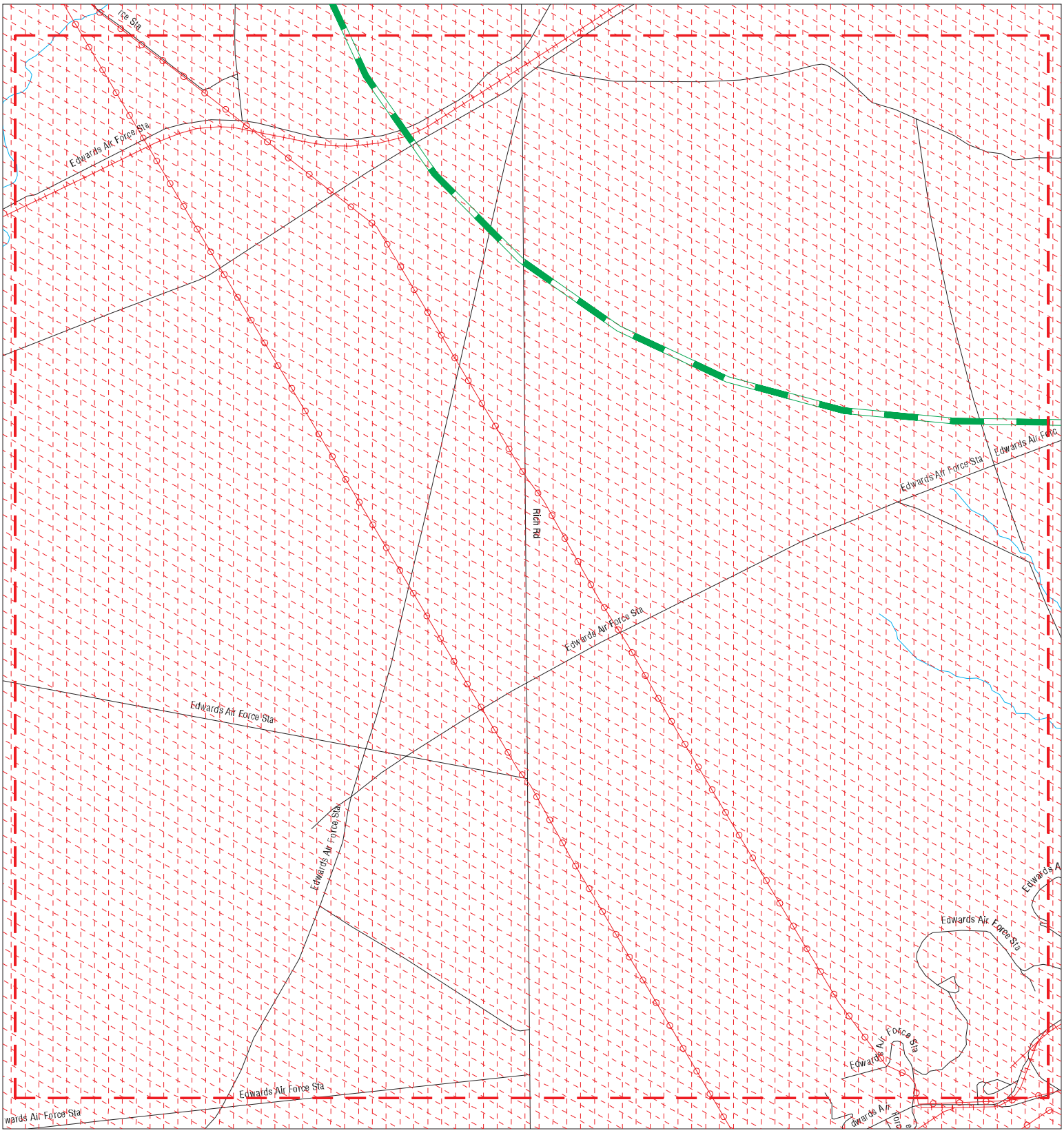
MAPPED SITES SUMMARY - FOCUS MAP 58

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 59 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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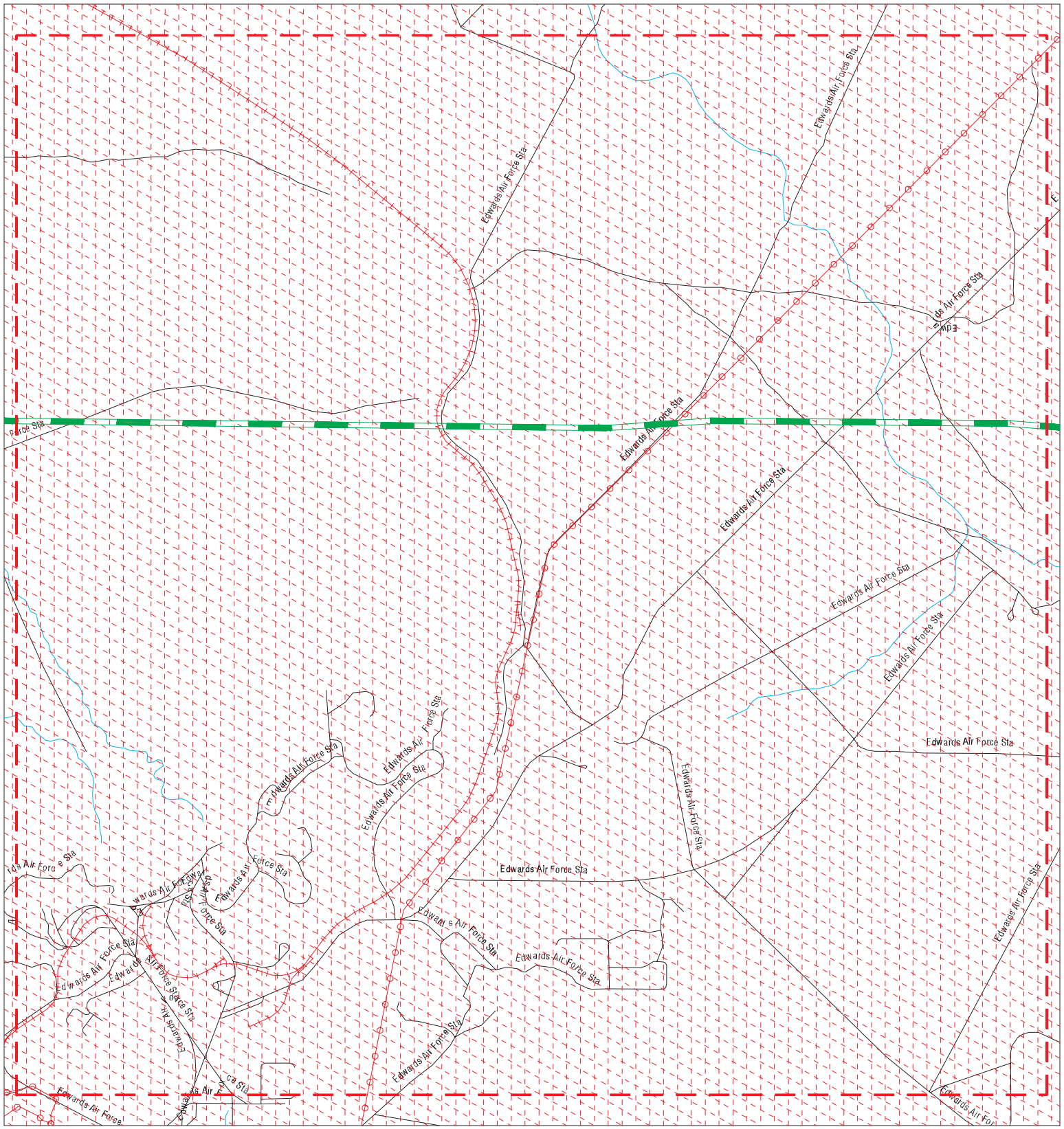
MAPPED SITES SUMMARY - FOCUS MAP 59

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 60 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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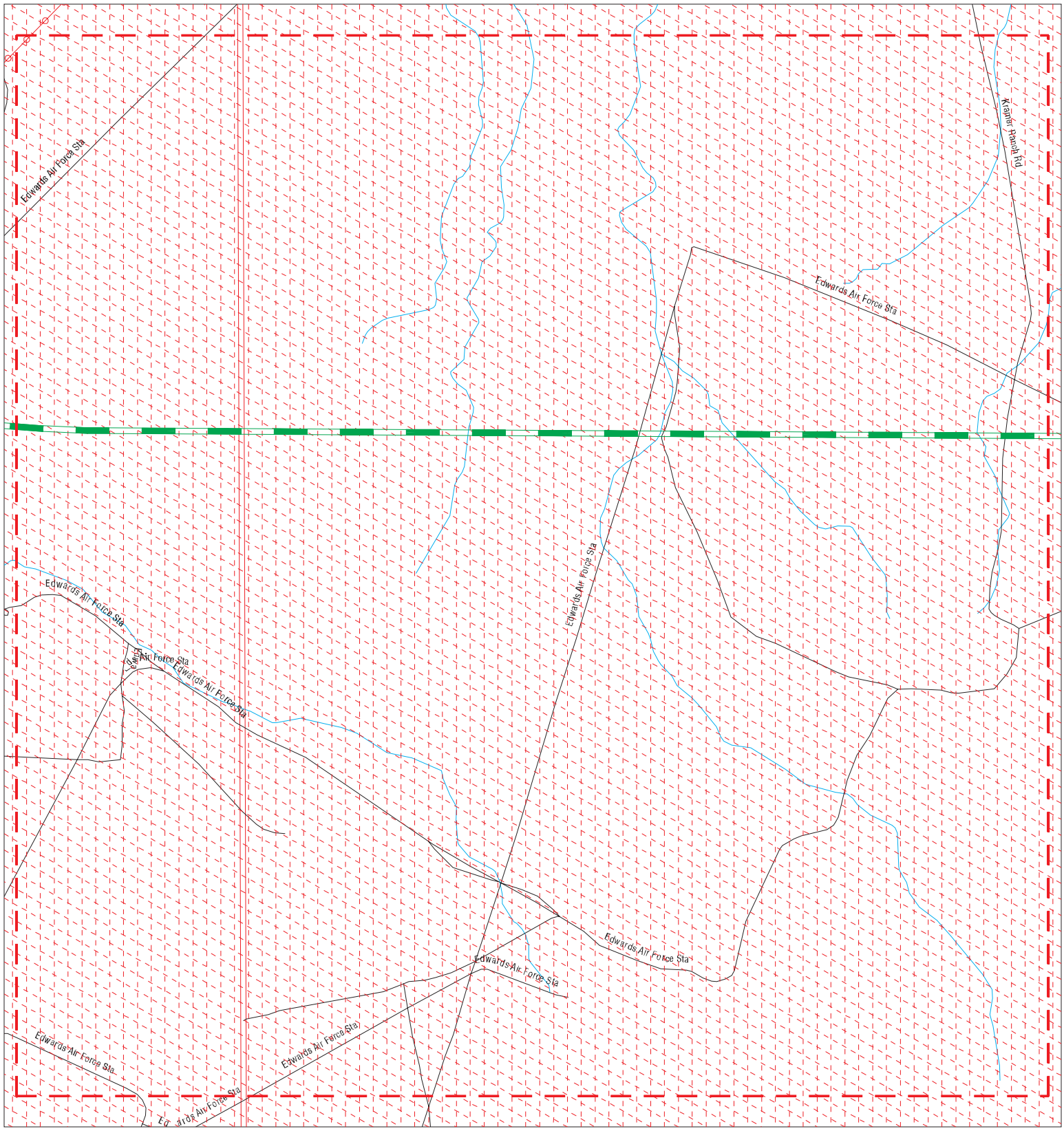
MAPPED SITES SUMMARY - FOCUS MAP 60

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 61 - 06704966.5r


Edwards Air Force Sta
Klapfer Ranch Rd
Edwards Air Force Sta
Edwards Air Force Sta
Edwards Air Force Sta

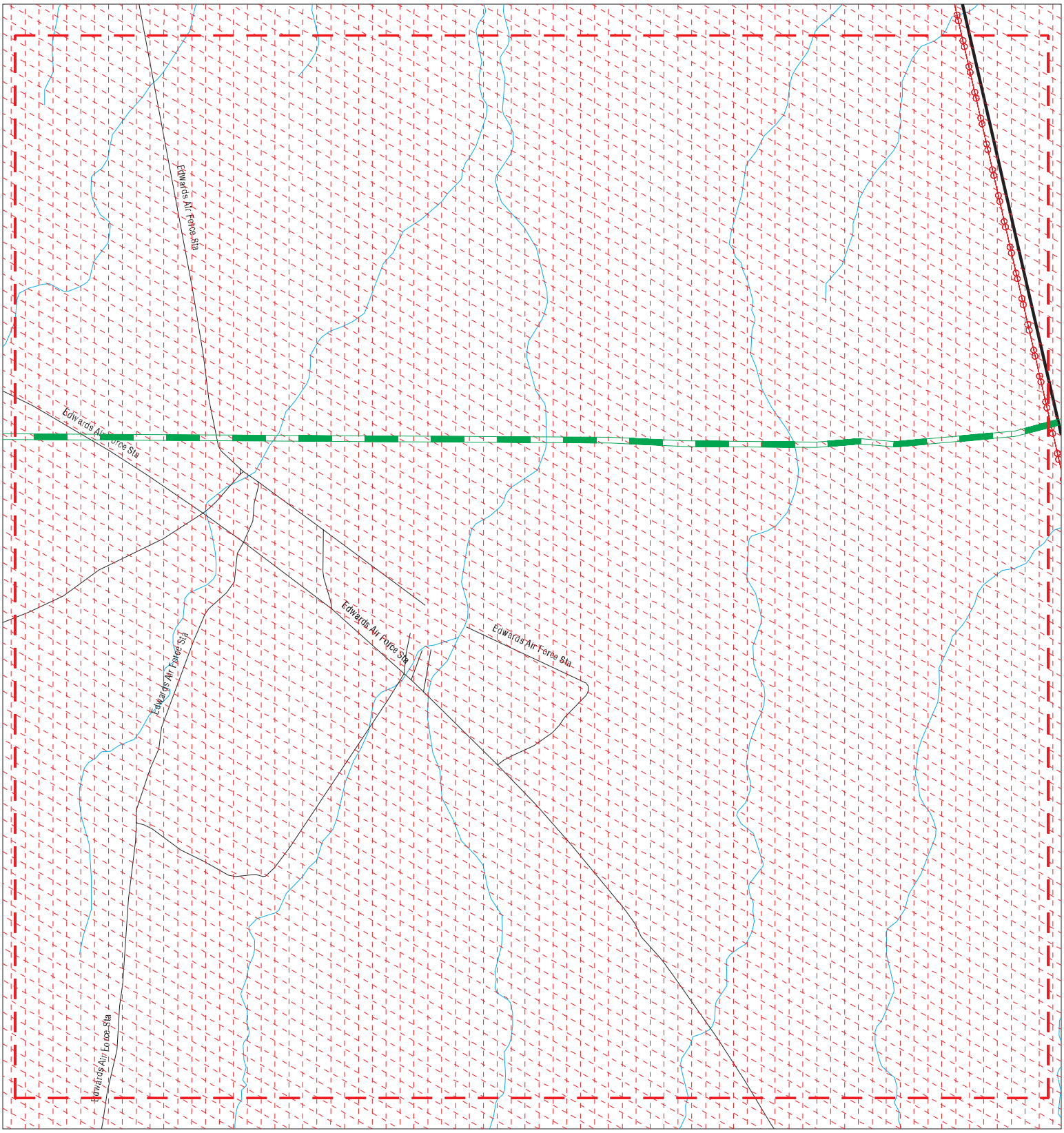
MAPPED SITES SUMMARY - FOCUS MAP 61

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 62 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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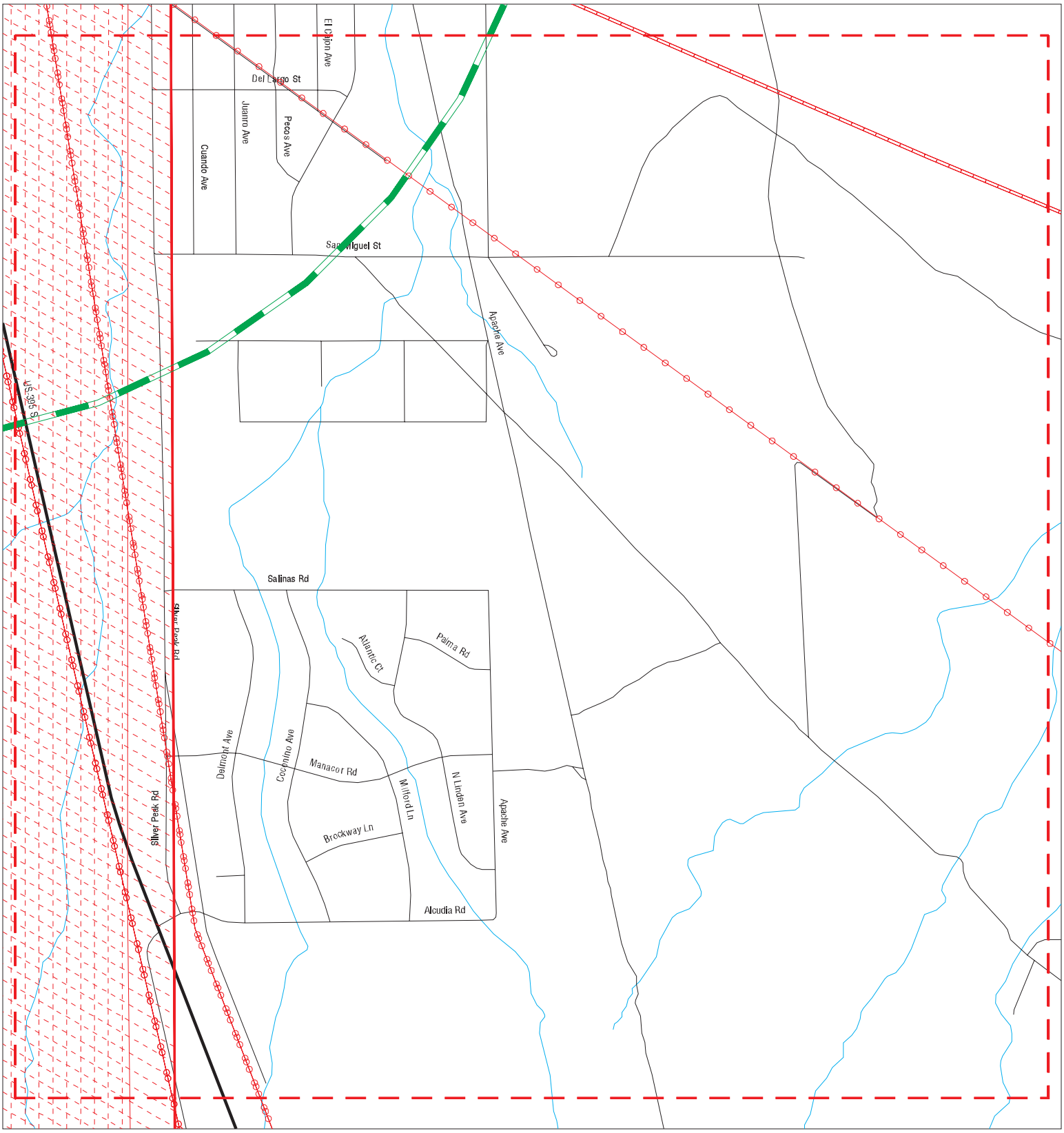
MAPPED SITES SUMMARY - FOCUS MAP 62

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 63 - 06704966.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06704966.5r
ZIP: 93523	DATE: 10/15/21

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MAPPED SITES SUMMARY - FOCUS MAP 63

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

NPL **EDWARDS AIR FORCE BASE** **NPL 1000155217**
Region **AFFTC EDWARDS AFB** **SEMS CA1570024504**
Target **EDWARDS AFB, CA 93524** **CORRACTS**
Property **RCRA-TSDF**
RCRA-LQG
US ENG CONTROLS
US INST CONTROLS
ENVIROSTOR
Focus Map: **HIST Cal-Sites**
** **DEED**
ROD
RAATS
PRP
ICIS
US AIRS
DOCKET HWC
ICE
PFAS

NPL:

EPA Region:	9
EPA ID:	CA1570024504
Site ID:	902725
Name:	EDWARDS AIR FORCE BASE
Address:	AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip:	EDWARDS AFB, CA 93524
Federal:	Y
Final Date:	1990-08-30 00:00:00
Latitude:	34.949439
Longitude:	-117.8857
Site Score:	33.619999999999997

NPL:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
CAS Number:	Not reported
Substance:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A020
CAS Number:	Not reported
Substance:	CHROMIUM AND COMPOUNDS
Pathway:	GROUND WATER PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	D004
CAS Number:	7440-38-2
Substance:	ARSENIC
Pathway:	GROUND WATER PATHWAY
Scoring:	3

NPL Status:	Currently on the Final NPL
Substance ID:	U036
CAS Number:	57-74-9
Substance:	CHLORDANE
Pathway:	GROUND WATER PATHWAY
Scoring:	3

EDWARDS AIR FORCE BASE (Continued) **1000155217**

NPL Status: Currently on the Final NPL
Substance ID: U061
CAS Number: 50-29-3
Substance: DDT
Pathway: GROUND WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: U077
CAS Number: 107-06-2
Substance: DICHLOROETHANE, 1,2-
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U079
CAS Number: 156-60-5
Substance: TRANS-DICHLOROETHYLENE, 1,2-
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U210
CAS Number: 127-18-4
Substance: TETRACHLOROETHENE
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U228
CAS Number: 79-01-6
Substance: TRICHLOROETHYLENE (TCE)
Pathway: GROUND WATER PATHWAY
Scoring: 2

Summary Details:

Conditions at proposal July 14, 1989): Edwards Air Force Base EAFB) is in Kern, Los Angeles, and San Bernardino Counties, California, occupying approximately 800 square miles in the western portion of the Mojave Desert. The base has been in operation since 1933. Its primary mission is to conduct research and development on new aircraft. EAFB is participating in the Installation Restoration Program IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from ha ardous materials. Under IRP, the Air Force has identified 21 waste areas at the facility. The Main/South Base area, at the western edge of Rogers Dry Lake, is the primary area for maintenance and refueling of aircraft. On several occasions, large amounts of fuel have been spilled in the area, and poor disposal practices have released organic solvents to the ground. Also in the area are an abandoned sanitary landfill containing pesticides and heavy metals, an area where electroplating wastes were dumped, and the industrial waste pond, which contains sediments rich in heavy metals. Trichloroethylene, trans-1,2-dichloroethylene, 1,2-dichloroethane, tetrachloroethylene, and methylene chloride are present in ground water underlying the Main/South Base area, according to a 1987 IRP report. EAFB s 13,800 employees obtain drinking water from wells within 3 miles of the Main/South Base area. There is no perennial surface water at EAFB. The Air Force has completed an initial assessment of the

EDWARDS AIR FORCE BASE (Continued) **1000155217**

base and is now conducting a remedial investigation/feasibility study to determine the type and extent of contamination and identify alternatives for remedial action. Status August 30, 1990): The Air Force is reviewing previous studies to determine any additional data needed to fully characteri e known waste areas. EPA, the State, and the Air Force arenegotiating an Interagency Agreement under CERCLA Section 120 covering response activities at the base.

NPL:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 100 Feet
Category Value: 110

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

NPL:
NPL Name: EDWARDS AIR FORCE BASE

NPL:
EPA Region: 09
Site ID: 0902725
Site Status: F
Federal Site: Y
Date Deleted: Not reported
Date Finalized: 08/30/90
Date Proposed: 07/14/89

NPL:
Proposed Date: 07/14/1989
Final Date: 08/30/1990
Deleted Date: Not reported
NPL Status: Final

SEMS:
Site ID: 0902725
EPA ID: CA1570024504
Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
Cong District: 21,23
FIPS Code: 06029
Latitude: 34.949439
Longitude: -117.885700
FF: Y
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 09
Site ID: 0902725
EPA ID: CA1570024504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-08-01 04:00:00
Finish Date:	8/1/1980 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	NF
Action Name:	NPL FINL
SEQ:	1
Start Date:	1990-08-30 04:00:00
Finish Date:	8/30/1990 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1989-07-14 04:00:00
Finish Date:	7/14/1989 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1984-04-01 06:00:00
Finish Date:	4/1/1984 6:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	1986-11-01 05:00:00
Finish Date:	11/1/1986 5:00:00 AM
Qual:	L
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LY
Action Name:	FF RA
SEQ:	1
Start Date:	2010-10-08 04:00:00
Finish Date:	9/30/2013 5:00:00 AM
Qual:	IR
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	1
Start Date:	2004-09-29 04:00:00
Finish Date:	6/24/2009 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	09
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	9
Start Date:	2005-08-12 04:00:00
Finish Date:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 08
Action Code: LW
Action Name: FF RI/FS
SEQ: 11
Start Date: 2005-08-18 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 11
Action Code: LW
Action Name: FF RI/FS
SEQ: 13
Start Date: 2004-01-31 05:00:00
Finish Date: 8/4/2008 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 11
Action Code: RO
Action Name: ROD
SEQ: 12
Start Date: 2008-08-04 05:00:00
Finish Date: 8/4/2008 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 11
Action Code: LX
Action Name: FF RD

EDWARDS AIR FORCE BASE (Continued) **1000155217**

SEQ:	12
Start Date:	2008-08-04 05:00:00
Finish Date:	9/28/2009 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	11
Action Code:	LY
Action Name:	FF RA
SEQ:	12
Start Date:	2008-08-04 05:00:00
Finish Date:	7/27/2011 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	13
Action Code:	NI
Action Name:	FF FS
SEQ:	1
Start Date:	2007-07-03 04:00:00
Finish Date:	9/21/2012 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	13
Action Code:	RO
Action Name:	ROD
SEQ:	15
Start Date:	2012-09-21 05:00:00
Finish Date:	9/21/2012 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y

EDWARDS AIR FORCE BASE (Continued) **1000155217**

OU:	14
Action Code:	LV
Action Name:	FF RV
SEQ:	2
Start Date:	2012-03-07 05:00:00
Finish Date:	10/6/2014 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LX
Action Name:	FF RD
SEQ:	19
Start Date:	2009-06-24 05:00:00
Finish Date:	6/24/2009 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LY
Action Name:	FF RA
SEQ:	19
Start Date:	2009-06-24 05:00:00
Finish Date:	11/22/2010 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	05
Action Code:	LV
Action Name:	FF RV
SEQ:	1
Start Date:	2009-11-20 05:00:00
Finish Date:	8/1/2011 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LX
Action Name:	FF RD
SEQ:	22
Start Date:	2013-02-06 05:00:00
Finish Date:	7/25/2013 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	04
Action Code:	OM
Action Name:	OM
SEQ:	3
Start Date:	2009-10-26 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1986-10-01 04:00:00
Finish Date:	10/1/1986 4:00:00 AM
Qual:	L
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	01
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	2
Start Date:	2004-07-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	04
Action Code:	LY
Action Name:	FF RA
SEQ:	5
Start Date:	2007-11-06 05:00:00
Finish Date:	10/26/2009 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	15
Action Code:	LX
Action Name:	FF RD
SEQ:	5
Start Date:	2009-09-16 04:00:00
Finish Date:	11/9/2010 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	05
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	5
Start Date:	2017-05-31 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LY
Action Name:	FF RA
SEQ:	22
Start Date:	2020-03-04 06:00:00
Finish Date:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 06
Action Code: OM
Action Name: OM
SEQ: 5
Start Date: 2010-08-03 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 15
Action Code: LY
Action Name: FF RA
SEQ: 4
Start Date: 2010-12-13 05:00:00
Finish Date: 5/12/2014 5:00:00 AM
Qual: IR
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 2009-06-24 05:00:00
Finish Date: 6/24/2009 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 15
Action Code: RO
Action Name: ROD

EDWARDS AIR FORCE BASE (Continued) **1000155217**

SEQ: 5
Start Date: 2009-09-16 04:00:00
Finish Date: 9/16/2009 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 04
Action Code: LW
Action Name: FF RI/FS
SEQ: 7
Start Date: 2004-01-31 05:00:00
Finish Date: 9/24/2007 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 15
Action Code: LW
Action Name: FF RI/FS
SEQ: 4
Start Date: 2006-06-20 04:00:00
Finish Date: 9/16/2009 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 03
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 2003-09-30 04:00:00
Finish Date: 9/30/2003 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y

EDWARDS AIR FORCE BASE (Continued) **1000155217**

OU:	15
Action Code:	OM
Action Name:	OM
SEQ:	6
Start Date:	2014-05-12 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	03
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	3
Start Date:	1992-12-18 05:00:00
Finish Date:	3/30/1999 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	04
Action Code:	LX
Action Name:	FF RD
SEQ:	3
Start Date:	2007-09-24 04:00:00
Finish Date:	6/12/2009 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LX
Action Name:	FF RD
SEQ:	1
Start Date:	2009-06-24 05:00:00
Finish Date:	10/31/2013 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1980-08-01 04:00:00
Finish Date:	4/1/1984 6:00:00 AM
Qual:	L
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	04
Action Code:	RO
Action Name:	ROD
SEQ:	3
Start Date:	2007-09-24 04:00:00
Finish Date:	9/24/2007 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	10
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	6
Start Date:	2006-11-22 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	11
Action Code:	OM
Action Name:	OM
SEQ:	8
Start Date:	2011-07-27 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	14
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	15
Start Date:	2018-01-25 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	12
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	16
Start Date:	2004-01-31 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	07
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	12
Start Date:	1996-09-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	06
Action Code:	RO
Action Name:	ROD
SEQ:	4
Start Date:	2006-09-28 04:00:00
Finish Date:	9/28/2006 4:00:00 AM

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	06
Action Code:	LX
Action Name:	FF RD
SEQ:	4
Start Date:	2007-10-18 04:00:00
Finish Date:	2/15/2008 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	16
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	17
Start Date:	2010-02-04 05:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	06
Action Code:	LX
Action Name:	FF RD
SEQ:	18
Start Date:	2006-09-28 04:00:00
Finish Date:	9/28/2006 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	17
Action Code:	LW
Action Name:	FF RI/FS

EDWARDS AIR FORCE BASE (Continued) **1000155217**

SEQ: 18
Start Date: 2005-08-12 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 06
Action Code: LY
Action Name: FF RA
SEQ: 18
Start Date: 2006-09-28 04:00:00
Finish Date: 2/15/2008 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 06
Action Code: LY
Action Name: FF RA
SEQ: 3
Start Date: 2008-02-15 05:00:00
Finish Date: 8/31/2010 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902725
EPA ID: CA1570024504
Site Name: EDWARDS AIR FORCE BASE
NPL: F
FF: Y
OU: 06
Action Code: LW
Action Name: FF RI/FS
SEQ: 8
Start Date: 2003-11-11 05:00:00
Finish Date: 9/28/2006 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

CORRACTS:
Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19930901
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19930901
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: OU #1
Corrective Action: INVESTIGATION IMPOSITION
Actual Date: 19900924
Air Release Indicator: Y
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: OU #1
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19960401
Air Release Indicator: Y
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: OU #1
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION and TREATMENT
Actual Date: 19900924
Air Release Indicator: Y
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Y

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: OU #1
Corrective Action: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL and/OR TRT
Actual Date: 19900924
Air Release Indicator: Y
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: OU #1
Corrective Action: STABILIZATION CONSTRUCTION COMPLETED
Actual Date: 19971201
Air Release Indicator: Y
Groundwater Release Indicator: Y
Soil Release Indicator: Y
Surface Water Release Indicator: Y

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 20000522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Actual Date: 19980406
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Date: 20040803
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: EDWARDS AIR FORCE BASE
Address: 446 N. ROSAMOND BLVD BLDG 4916
Address 2: Not reported
EPA ID: CA1570024504
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 20000522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Click this hyperlink while viewing on your computer to access
3 additional CORRACTS: record(s) in the EDR Site Report.

RCRA-LQG:
Date Form Received by Agency: 20210225
Handler Name: EDWARDS AIR FORCE BASE
Handler Address: 446 N. ROSAMOND BLVD BLDG 4916
Handler City,State,Zip: EDWARDS, CA 93524-1130
EPA ID: CA1570024504
Contact Name: D MALAMA CHOCK
Contact Address: NORTH ROSAMOND BLVD, STE A
Contact City,State,Zip: EDWARDS, CA 93524
Contact Telephone: 661-277-3454
Contact Fax: 661-277-1460
Contact Email: D_MALAMA.CHOCK@US.AF.MIL
Contact Title: CHIEF, WATER AND WASTE OPS SECTION
EPA Region: 09
Land Type: Federal
Federal Waste Generator Description: Large Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: 2020
Accessibility: Not reported
Active Site Indicator: Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: NORTH ROSAMOND BLVD, STE A
Mailing City,State,Zip: EDWARDS, CA 93524
Owner Name: EDWARDS AIR FORCE BASE
Owner Type: Federal
Operator Name: EDWARDS AIR FORCE BASE
Operator Type: Federal
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: Yes
Small Quantity On-Site Burner Exemption: No

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Storage, Treatment
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The land is federally-owned, The site is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal, Storage, Treatment
2018 GPRA Permit Baseline:	Accomplished
2018 GPRA Renewals Baseline:	Accomplished
Permit Renewals Workload Universe:	Storage, Treatment
Permit Workload Universe:	Storage, Treatment
Permit Progress Universe:	Land Disposal, Storage, Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Storage, Treatment
Full Enforcement Universe:	Storage, Treatment
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210405
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

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Year: 2011

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Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: D011
Waste Description: SILVER

Waste Code: D012
Waste Description: ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)

Waste Code: D013
Waste Description: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)

Waste Code: D014
Waste Description: METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)

Waste Code: D015
Waste Description: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)

Waste Code: D016
Waste Description: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

Waste Code: D017
Waste Description: 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D020
Waste Description: CHLORDANE

Waste Code: D021
Waste Description: CHLOROBENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D023
Waste Description: O-CRESOL

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D025
Waste Description: P-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: D029
Waste Description: 1,1-DICHLOROETHYLENE

Waste Code: D030
Waste Description: 2,4-DINITROTOLUENE

Waste Code: D031
Waste Description: HEPTACHLOR (AND ITS EPOXIDE)

Waste Code: D032
Waste Description: HEXACHLOROBENZENE

Waste Code: D033
Waste Description: HEXACHLOROBUTADIENE

Waste Code: D034
Waste Description: HEXACHLOROETHANE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D036
Waste Description: NITROBENZENE

Waste Code: D037
Waste Description: PENTACHLOROPHENOL

Waste Code: D038
Waste Description: PYRIDINE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: D041
Waste Description: 2,4,5-TRICHLOROPHENOL

Waste Code: D042
Waste Description: 2,4,6-TRICHLOROPHENOL

Waste Code: D043
Waste Description: VINYL CHLORIDE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE,

EDWARDS AIR FORCE BASE (Continued) **1000155217**

METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F004
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F027
Waste Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS,

EDWARDS AIR FORCE BASE (Continued) **1000155217**

WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P003
Waste Description: 2-PROPENAL (OR) ACROLEIN

Waste Code: P005
Waste Description: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P014
Waste Description: BENZENETHIOL (OR) THIOPHENOL

Waste Code: P027
Waste Description: 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO-

Waste Code: P028
Waste Description: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

Waste Code: P029
Waste Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Waste Code: P030
Waste Description: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste Code: P031
Waste Description: CYANOGEN (OR) ETHANEDINITRILE

Waste Code: P033
Waste Description: CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL

Waste Code: P037
Waste Description: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

Waste Code: P047
Waste Description: 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, & SALTS

Waste Code: P048
Waste Description: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

Waste Code: P050
Waste Description: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

Waste Code: P051
Waste Description: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES

Waste Code: P056
Waste Description: FLUORINE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: P059
Waste Description: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-(OR) HEPTACHLOR

Waste Code: P063
Waste Description: HYDROCYANIC ACID (OR) HYDROGEN CYANIDE

Waste Code: P068
Waste Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Waste Code: P073
Waste Description: NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)4, (T-4)-

Waste Code: P077
Waste Description: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE

Waste Code: P078
Waste Description: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2

Waste Code: P098
Waste Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Waste Code: P104
Waste Description: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

Waste Code: P105
Waste Description: SODIUM AZIDE

Waste Code: U001
Waste Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U003
Waste Description: ACETONITRILE (I,T)

Waste Code: U004
Waste Description: ACETOPHENONE (OR) ETHANONE, 1-PHENYL-

Waste Code: U007
Waste Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Waste Code: U008
Waste Description: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

Waste Code: U009
Waste Description: 2-PROPENENITRILE (OR) ACRYLONITRILE

Waste Code: U012
Waste Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Waste Code: U019
Waste Description: BENZENE (I,T)

Waste Code: U029
Waste Description: METHANE, BROMO- (OR) METHYL BROMIDE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: U031
Waste Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U037
Waste Description: BENZENE, CHLORO- (OR) CHLOROBENZENE

Waste Code: U041
Waste Description: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

Waste Code: U042
Waste Description: 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)-

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U045
Waste Description: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)

Waste Code: U048
Waste Description: O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO-

Waste Code: U053
Waste Description: 2-BUTENAL (OR) CROTONALDEHYDE

Waste Code: U056
Waste Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Waste Code: U057
Waste Description: CYCLOHEXANONE (I)

Waste Code: U060
Waste Description: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD

Waste Code: U061
Waste Description: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT

Waste Code: U066
Waste Description: 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO-

Waste Code: U067
Waste Description: ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE

Waste Code: U068
Waste Description: METHANE, DIBROMO- (OR) METHYLENE BROMIDE

Waste Code: U069
Waste Description: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

Waste Code: U070
Waste Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Waste Code: U071
Waste Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: U072
Waste Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Waste Code: U074
Waste Description: 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T)

Waste Code: U076
Waste Description: ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE

Waste Code: U077
Waste Description: ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE

Waste Code: U078
Waste Description: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U081
Waste Description: 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-

Waste Code: U084
Waste Description: 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-

Waste Code: U085
Waste Description: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE

Waste Code: U098
Waste Description: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-

Waste Code: U101
Waste Description: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-

Waste Code: U103
Waste Description: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

Waste Code: U108
Waste Description: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

Waste Code: U112
Waste Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste Code: U121
Waste Description: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFLUOROMETHANE

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U123
Waste Description: FORMIC ACID (C,T)

Waste Code: U128
Waste Description: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: U131
Waste Description: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

Waste Code: U133
Waste Description: HYDRAZINE (R,T)

Waste Code: U134
Waste Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Waste Code: U135
Waste Description: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Waste Code: U138
Waste Description: METHANE, IODO- (OR) METHYL IODIDE

Waste Code: U140
Waste Description: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

Waste Code: U144
Waste Description: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Waste Code: U147
Waste Description: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

Waste Code: U149
Waste Description: MALONONITRILE (OR) PROPANEDINITRILE

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U151
Waste Description: MERCURY

Waste Code: U152
Waste Description: 2-PROPENENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T)

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Waste Code: U161
Waste Description: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

Waste Code: U162
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U169
Waste Description: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

Waste Code: U170

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Description: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-

Waste Code: U171
Waste Description: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)

Waste Code: U172
Waste Description: 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE

Waste Code: U182
Waste Description: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

Waste Code: U184
Waste Description: ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U194
Waste Description: 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)

Waste Code: U196
Waste Description: PYRIDINE

Waste Code: U208
Waste Description: 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO-

Waste Code: U209
Waste Description: 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Waste Code: U213
Waste Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Waste Code: U219
Waste Description: THIOUREA

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Waste Code: U221
Waste Description: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

Waste Code: U222
Waste Description: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE

Waste Code: U223
Waste Description: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Waste Code: U226
Waste Description: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Waste Code: U227

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Description: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

Waste Code: U228
Waste Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Waste Code: U239
Waste Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Waste Code: U359
Waste Description: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	USAF
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	SAME AS IN ITEM 4
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	446 N. ROSAMOND BLVD BLDG 4916
Owner/Operator City,State,Zip:	EDWARDS, CA 93524-1130
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	120 N. ROSAMOND BLVD.
Owner/Operator City,State,Zip:	EDWARD, CA 93524
Owner/Operator Telephone:	661-277-1401
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	120 NORTH ROSAMOND BLVD, STE A
Owner/Operator City,State,Zip:	EDWARDS, CA 93524
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MULTIPLE OPS - ALL USAF COMMANDS
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	AFFTC EDWARDS AFB
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	805-277-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	USAF
Legal Status:	Federal
Date Became Current:	19941128
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	5 EAST POPSON AVENUE
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	446 N. ROSAMOND BLVD BLDG 4916
Owner/Operator City,State,Zip:	EDWARDS, CA 93524-1130
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	120 NORTH ROSAMOND BLVD, STE A

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Owner/Operator City,State,Zip:	EDWARDS, CA 93524
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	5 EAST POPSON AVENUE BUILDING 2
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524-8060
Owner/Operator Telephone:	661-277-1478
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19941128
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	120 NORTH ROSAMOND BLVD, STE A
Owner/Operator City,State,Zip:	EDWARDS, CA 93524
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	446 N. ROSAMOND BLVD BLDG 4916
Owner/Operator City,State,Zip:	EDWARDS, CA 93524-1130
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	5 EAST POPSON AVE, BLDG 2650
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524
Owner/Operator Telephone:	661-277-1401
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19941128
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	USAF
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	5 EAST POPSON AVE
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	USAF
Legal Status:	Federal
Date Became Current:	19941128
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARDS AFB
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	12 LABOBORATORY ROAD BLDG 4231
Owner/Operator City,State,Zip:	EDWARDS, CA 93524
Owner/Operator Telephone:	661-277-9252
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	12 LABOBORATORY ROAD BLDG 4231
Owner/Operator City,State,Zip:	EDWARDS, CA 93524
Owner/Operator Telephone:	661-277-9252
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MULTIPLE OPS - ALL USAF COMMANDS
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	AFFTC EDWARDS AFB
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524-1130
Owner/Operator Telephone:	805-277-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100713
Handler Name:	EDWARDS AIR FORCE BASE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	Yes
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120911
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160229
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181019
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Receive Date: 20201021
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210225
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: USAF EDWARDS AFB
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: USAF EDWARDS AFB
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19800818
Handler Name: USAF EDWARDS AFB
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980202
Handler Name:	USAF EDWARDS AFB
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19900427
Handler Name:	EDWARDS AFB/ EXPLOSIVE ORDINACE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19920425
Handler Name:	EDWARDS AIR FORCE BASE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19940329
Handler Name:	USAF FLIGHT TEST CTR EDWARDS AFB
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960327
Handler Name: USAF EDWARDS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020329
Handler Name: EDWARDS AIRFORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040226
Handler Name: EDWARDS AIR FORCE BASE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060215
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080229
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 92119
NAICS Description: OTHER GENERAL GOVERNMENT SUPPORT

NAICS Code: 92711
NAICS Description: SPACE RESEARCH AND TECHNOLOGY

NAICS Code: 92811
NAICS Description: NATIONAL SECURITY

NAICS Code: 928110
NAICS Description: NATIONAL SECURITY

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19930430
Actual Return to Compliance Date: 19930615

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19930429
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	2200
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930430
Actual Return to Compliance Date:	19930615
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19930429
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2200
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19940504
Actual Return to Compliance Date: 19940816

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19940512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 4700
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19910820
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19870223
Actual Return to Compliance Date: 19870325

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19880821
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement Responsible Person: R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19901004
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: HW Management System - Definitions
Date Violation was Determined: 20141118
Actual Return to Compliance Date: 20141120
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 304
Date of Enforcement Action: 20141120
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890209
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930430
Actual Return to Compliance Date: 19930615

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19930429
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2200
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20191203
Actual Return to Compliance Date: 20200629
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 309
Date of Enforcement Action: 20191203
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19901004
Actual Return to Compliance Date: 19901004
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900909
Enforcement Identifier: 006
Date of Enforcement Action: 19900809
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20191203
Actual Return to Compliance Date: 20191204

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 521
Date of Enforcement Action: 20200127
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20181126
Actual Return to Compliance Date: 20181204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 520
Date of Enforcement Action: 20190116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19880821
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: HW Management System - Definitions
Date Violation was Determined: 20141118
Actual Return to Compliance Date: 20141120
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 516
Date of Enforcement Action: 20160504
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Imports
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19940504
Actual Return to Compliance Date: 19940816
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19940512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 4700
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171215
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20181126
Actual Return to Compliance Date: 20181204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 308
Date of Enforcement Action: 20181126
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19910820
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: 005
Date of Enforcement Action: 19890928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921108
Actual Return to Compliance Date: 19930115

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19921108
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	9000
Final Monetary Amount:	9000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	9000

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19921108
Actual Return to Compliance Date:	19930115
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19930429
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2200
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Manifest/Records/Reporting
Date Violation was Determined: 20181126
Actual Return to Compliance Date: 20181204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 308
Date of Enforcement Action: 20181126
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19901004

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: 005
Date of Enforcement Action: 19890928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20191203
Actual Return to Compliance Date: 20191204

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 309
Date of Enforcement Action: 20191203
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19940504
Actual Return to Compliance Date: 19940816
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19940512
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 4700
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171215
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: HW Management System - Definitions
Date Violation was Determined: 20141118
Actual Return to Compliance Date: 20141120

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 516
Date of Enforcement Action: 20160504
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Manifest/Records/Reporting
Date Violation was Determined: 20181126
Actual Return to Compliance Date: 20181204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 520
Date of Enforcement Action: 20190116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19910820
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: 005
Date of Enforcement Action: 19890928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	007
Date of Enforcement Action:	19911206
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19940504
Actual Return to Compliance Date:	19940816
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19940512
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	4700
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Imports
Date Violation was Determined:	20171114
Actual Return to Compliance Date:	20171116

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: HW Management System - Definitions
Date Violation was Determined: 20141118
Actual Return to Compliance Date: 20141120
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 304
Date of Enforcement Action: 20141120
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870223
Actual Return to Compliance Date: 19870325
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20191203
Actual Return to Compliance Date: 20200629

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	521
Date of Enforcement Action:	20200127
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19880324
Actual Return to Compliance Date:	19880821
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19890209
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890123
Actual Return to Compliance Date: 19901004
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19910820

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19930330
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930615
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930330
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930615
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20090930
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940405
Evaluation Responsible Agency: State
Found Violation: Yes

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940816
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910820
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19870223
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870325
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901004
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20141118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20070207
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930615
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19970218
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200629
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20051212
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870325
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901004
Scheduled Compliance Date:	19900909
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920117
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940406
Evaluation Responsible Agency:	EPA-Initiated Oversight/Observation/Training Actions

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950406
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20191203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20191204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20181126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20131210
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20081119
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20160614
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Date:	19920219
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20130416
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20011106
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20031119
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20141118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980204
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20010613
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940405
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940816
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19911010
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171215
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20181126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20080304
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910820
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19921108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Date:	20181126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901004
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20191203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20191204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19990216
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940405
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940816
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960205
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110412
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171215
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040914
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20141118
Evaluation Responsible Agency:	State

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20181126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20021120
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950406
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910820
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940405
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940816
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20120402
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20141118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870223
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870325
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200629
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890123
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901004
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910820
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000627
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

RCRA-LQG:

Date Form Received by Agency:	20210225
Handler Name:	EDWARDS AIR FORCE BASE
Handler Address:	446 N. ROSAMOND BLVD BLDG 4916
Handler City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Contact Name:	D MALAMA CHOCK
Contact Address:	NORTH ROSAMOND BLVD, STE A
Contact City,State,Zip:	EDWARDS, CA 93524
Contact Telephone:	661-277-3454
Contact Fax:	661-277-1460
Contact Email:	D_MALAMA.CHOCK@US.AF.MIL
Contact Title:	CHIEF, WATER AND WASTE OPS SECTION
EPA Region:	09
Land Type:	Federal
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2020
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	NORTH ROSAMOND BLVD, STE A
Mailing City,State,Zip:	EDWARDS, CA 93524
Owner Name:	EDWARDS AIR FORCE BASE
Owner Type:	Federal
Operator Name:	EDWARDS AIR FORCE BASE
Operator Type:	Federal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	Yes
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Storage, Treatment
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The land is federally-owned, The site is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Land Disposal, Storage, Treatment
2018 GPRA Permit Baseline:	Accomplished
2018 GPRA Renewals Baseline:	Accomplished
Permit Renewals Workload Universe:	Storage, Treatment
Permit Workload Universe:	Storage, Treatment
Permit Progress Universe:	Land Disposal, Storage, Treatment

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	Yes
Groundwater Controls Indicator:	Yes
Operating TSDF Universe:	Storage, Treatment
Full Enforcement Universe:	Storage, Treatment
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210405
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D010
Waste Description:	SELENIUM
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D012
Waste Description:	ENDRIN (1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-ENDO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
Waste Code:	D013
Waste Description:	LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
Waste Code:	D014
Waste Description:	METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
Waste Code:	D015
Waste Description:	TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
Waste Code:	D016
Waste Description:	2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: D017
Waste Description: 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)

Waste Code: D018
Waste Description: BENZENE

Waste Code: D019
Waste Description: CARBON TETRACHLORIDE

Waste Code: D020
Waste Description: CHLORDANE

Waste Code: D021
Waste Description: CHLOROBENZENE

Waste Code: D022
Waste Description: CHLOROFORM

Waste Code: D023
Waste Description: O-CRESOL

Waste Code: D024
Waste Description: M-CRESOL

Waste Code: D025
Waste Description: P-CRESOL

Waste Code: D026
Waste Description: CRESOL

Waste Code: D027
Waste Description: 1,4-DICHLOROBENZENE

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

Waste Code: D029
Waste Description: 1,1-DICHLOROETHYLENE

Waste Code: D030
Waste Description: 2,4-DINITROTOLUENE

Waste Code: D031
Waste Description: HEPTACHLOR (AND ITS EPOXIDE)

Waste Code: D032
Waste Description: HEXACHLOROBENZENE

Waste Code: D033
Waste Description: HEXACHLOROBUTADIENE

Waste Code: D034
Waste Description: HEXACHLOROETHANE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: D036
Waste Description: NITROBENZENE

Waste Code: D037
Waste Description: PENTACHLOROPHENOL

Waste Code: D038
Waste Description: PYRIDINE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: D041
Waste Description: 2,4,5-TRICHLOROPHENOL

Waste Code: D042
Waste Description: 2,4,6-TRICHLOROPHENOL

Waste Code: D043
Waste Description: VINYL CHLORIDE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: F004
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F027
Waste Description: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)

Waste Code: P001
Waste Description: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste Code: P003
Waste Description: 2-PROPENAL (OR) ACROLEIN

Waste Code: P005
Waste Description: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P014
Waste Description: BENZENETHIOL (OR) THIOPHENOL

Waste Code: P027
Waste Description: 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO-

Waste Code: P028
Waste Description: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: P029
Waste Description: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

Waste Code: P030
Waste Description: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste Code: P031
Waste Description: CYANOGEN (OR) ETHANEDINITRILE

Waste Code: P033
Waste Description: CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL

Waste Code: P037
Waste Description: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

Waste Code: P047
Waste Description: 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, & SALTS

Waste Code: P048
Waste Description: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

Waste Code: P050
Waste Description: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

Waste Code: P051
Waste Description: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES (OR) ENDRIN (OR) ENDRIN, & METABOLITES

Waste Code: P056
Waste Description: FLUORINE

Waste Code: P059
Waste Description: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO- (OR) HEPTACHLOR

Waste Code: P063
Waste Description: HYDROCYANIC ACID (OR) HYDROGEN CYANIDE

Waste Code: P068
Waste Description: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Waste Code: P073
Waste Description: NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)4, (T-4)-

Waste Code: P077
Waste Description: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE

Waste Code: P078
Waste Description: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO2

Waste Code: P098

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Waste Code: P104
Waste Description: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

Waste Code: P105
Waste Description: SODIUM AZIDE

Waste Code: U001
Waste Description: ACETALDEHYDE (I) (OR) ETHANAL (I)

Waste Code: U002
Waste Description: 2-PROPANONE (I) (OR) ACETONE (I)

Waste Code: U003
Waste Description: ACETONITRILE (I,T)

Waste Code: U004
Waste Description: ACETOPHENONE (OR) ETHANONE, 1-PHENYL-

Waste Code: U007
Waste Description: 2-PROPENAMIDE (OR) ACRYLAMIDE

Waste Code: U008
Waste Description: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

Waste Code: U009
Waste Description: 2-PROPENENITRILE (OR) ACRYLONITRILE

Waste Code: U012
Waste Description: ANILINE (I,T) (OR) BENZENAMINE (I,T)

Waste Code: U019
Waste Description: BENZENE (I,T)

Waste Code: U029
Waste Description: METHANE, BROMO- (OR) METHYL BROMIDE

Waste Code: U031
Waste Description: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)

Waste Code: U034
Waste Description: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL

Waste Code: U037
Waste Description: BENZENE, CHLORO- (OR) CHLOROBENZENE

Waste Code: U041
Waste Description: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-

Waste Code: U042
Waste Description: 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)-

Waste Code: U044
Waste Description: CHLOROFORM (OR) METHANE, TRICHLORO-

Waste Code: U045

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Description: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)

Waste Code: U048
Waste Description: O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO-

Waste Code: U053
Waste Description: 2-BUTENAL (OR) CROTONALDEHYDE

Waste Code: U056
Waste Description: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)

Waste Code: U057
Waste Description: CYCLOHEXANONE (I)

Waste Code: U060
Waste Description: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD

Waste Code: U061
Waste Description: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT

Waste Code: U066
Waste Description: 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO-

Waste Code: U067
Waste Description: ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE

Waste Code: U068
Waste Description: METHANE, DIBROMO- (OR) METHYLENE BROMIDE

Waste Code: U069
Waste Description: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

Waste Code: U070
Waste Description: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

Waste Code: U071
Waste Description: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

Waste Code: U072
Waste Description: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

Waste Code: U074
Waste Description: 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T)

Waste Code: U076
Waste Description: ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE

Waste Code: U077
Waste Description: ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE

Waste Code: U078
Waste Description: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-

Waste Code: U080
Waste Description: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

Waste Code: U081

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Description: 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-

Waste Code: U084
Waste Description: 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-

Waste Code: U085
Waste Description: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE

Waste Code: U098
Waste Description: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-

Waste Code: U101
Waste Description: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-

Waste Code: U103
Waste Description: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

Waste Code: U108
Waste Description: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

Waste Code: U112
Waste Description: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

Waste Code: U121
Waste Description: METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFLUOROMETHANE

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U123
Waste Description: FORMIC ACID (C,T)

Waste Code: U128
Waste Description: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE

Waste Code: U129
Waste Description: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

Waste Code: U131
Waste Description: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

Waste Code: U133
Waste Description: HYDRAZINE (R,T)

Waste Code: U134
Waste Description: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

Waste Code: U135
Waste Description: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

Waste Code: U138
Waste Description: METHANE, IODO- (OR) METHYL IODIDE

Waste Code: U140
Waste Description: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Code: U144
Waste Description: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

Waste Code: U147
Waste Description: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

Waste Code: U149
Waste Description: MALONONITRILE (OR) PROPANEDINITRILE

Waste Code: U150
Waste Description: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

Waste Code: U151
Waste Description: MERCURY

Waste Code: U152
Waste Description: 2-PROPENENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T)

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U159
Waste Description: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

Waste Code: U161
Waste Description: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

Waste Code: U162
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Waste Code: U165
Waste Description: NAPHTHALENE

Waste Code: U169
Waste Description: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

Waste Code: U170
Waste Description: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-

Waste Code: U171
Waste Description: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)

Waste Code: U172
Waste Description: 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE

Waste Code: U182
Waste Description: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

Waste Code: U184
Waste Description: ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE

Waste Code: U188
Waste Description: PHENOL

Waste Code: U194

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Waste Description: 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)

Waste Code: U196
Waste Description: PYRIDINE

Waste Code: U208
Waste Description: 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO-

Waste Code: U209
Waste Description: 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-

Waste Code: U210
Waste Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Waste Code: U211
Waste Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Waste Code: U213
Waste Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Waste Code: U219
Waste Description: THIOUREA

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Waste Code: U221
Waste Description: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

Waste Code: U222
Waste Description: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE

Waste Code: U223
Waste Description: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Waste Code: U226
Waste Description: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Waste Code: U227
Waste Description: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

Waste Code: U228
Waste Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Waste Code: U239
Waste Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Waste Code: U359
Waste Description: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: USAF
Legal Status: Federal
Date Became Current: 19510925
Date Ended Current: Not reported
Owner/Operator Address: SAME AS IN ITEM 4

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	446 N. ROSAMOND BLVD BLDG 4916
Owner/Operator City,State,Zip:	EDWARDS, CA 93524-1130
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	120 N. ROSAMOND BLVD.
Owner/Operator City,State,Zip:	EDWARD, CA 93524
Owner/Operator Telephone:	661-277-1401
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	120 NORTH ROSAMOND BLVD, STE A
Owner/Operator City,State,Zip:	EDWARDS, CA 93524
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Operator
Owner/Operator Name:	MULTIPLE OPS - ALL USAF COMMANDS
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	AFFTC EDWARDS AFB
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	805-277-3010
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	USAF
Legal Status:	Federal

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Date Became Current:	19941128
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	5 EAST POPSON AVENUE
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	446 N. ROSAMOND BLVD BLDG 4916
Owner/Operator City,State,Zip:	EDWARDS, CA 93524-1130
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	120 NORTH ROSAMOND BLVD, STE A
Owner/Operator City,State,Zip:	EDWARDS, CA 93524
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL
Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	5 EAST POPSON AVENUE BUILDING 2
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524-8060
Owner/Operator Telephone:	661-277-1478
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19941128
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	120 NORTH ROSAMOND BLVD, STE A
Owner/Operator City,State,Zip:	EDWARDS, CA 93524
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL

Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARDS AIR FORCE BASE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	446 N. ROSAMOND BLVD BLDG 4916
Owner/Operator City,State,Zip:	EDWARDS, CA 93524-1130
Owner/Operator Telephone:	661-277-3454
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	661-277-1460
Owner/Operator Email:	D_MALAMA.CHOCK@US.AF.MIL

Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	5 EAST POPSON AVE, BLDG 2650
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524
Owner/Operator Telephone:	661-277-1401
Owner/Operator Telephone Ext:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19941128
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	USAF
Legal Status:	Federal
Date Became Current:	19510925
Date Ended Current:	Not reported
Owner/Operator Address:	5 EAST POPSON AVE
Owner/Operator City,State,Zip:	EDWARDS AFB, CA 93524
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	USAF
Legal Status:	Federal
Date Became Current:	19941128
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	EDWARDS AFB
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES AIR FORCE
Legal Status:	Federal
Date Became Current:	19500101
Date Ended Current:	Not reported
Owner/Operator Address:	12 LABOBORATORY ROAD BLDG 4231

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Owner/Operator City,State,Zip: EDWARDS, CA 93524
Owner/Operator Telephone: 661-277-9252
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: UNITED STATES AIR FORCE
Legal Status: Federal
Date Became Current: 19500101
Date Ended Current: Not reported
Owner/Operator Address: 12 LABOBORATORY ROAD BLDG 4231
Owner/Operator City,State,Zip: EDWARDS, CA 93524
Owner/Operator Telephone: 661-277-9252
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: MULTIPLE OPS - ALL USAF COMMANDS
Legal Status: Federal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: AFFTC EDWARDS AFB
Owner/Operator City,State,Zip: EDWARDS AFB, CA 93524-1130
Owner/Operator Telephone: 805-277-3010
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100713
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20120911
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Receive Date: 20160229
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181019
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20201021
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20210225
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

Receive Date:	19960901
Handler Name:	USAF EDWARDS AFB
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19800818
Handler Name:	USAF EDWARDS AFB
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19800818
Handler Name:	USAF EDWARDS AFB
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19980202
Handler Name:	USAF EDWARDS AFB
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900427
Handler Name: EDWARDS AFB/ EXPLOSIVE ORDINACE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920425
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940329
Handler Name: USAF FLIGHT TEST CTR EDWARDS AFB
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960327
Handler Name: USAF EDWARDS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: EDWARDS AIR FORCE BASE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020329
Handler Name: EDWARDS AIRFORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040226
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060215
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080229
Handler Name: EDWARDS AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 92119
NAICS Description: OTHER GENERAL GOVERNMENT SUPPORT

NAICS Code: 92711
NAICS Description: SPACE RESEARCH AND TECHNOLOGY

NAICS Code: 92811
NAICS Description: NATIONAL SECURITY

NAICS Code: 928110
NAICS Description: NATIONAL SECURITY

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19930430
Actual Return to Compliance Date: 19930615
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19930429
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	2200
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19930430
Actual Return to Compliance Date:	19930615
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19930429
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	2200
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940504
Actual Return to Compliance Date:	19940816
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19940512
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 4700
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19910820
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19880324

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19870223
Actual Return to Compliance Date: 19870325
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19880324
Actual Return to Compliance Date:	19880821
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19880821
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19890802

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 19901004
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: HW Management System - Definitions
Date Violation was Determined: 20141118

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20141120
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 304
Date of Enforcement Action: 20141120
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890209
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19930430
Actual Return to Compliance Date: 19930615
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19930429
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	2200
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20191203

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20200629
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 309
Date of Enforcement Action: 20191203
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19901004

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 19901004
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: 19900909
Enforcement Identifier: 006
Date of Enforcement Action: 19900809
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20191203
Actual Return to Compliance Date: 20191204
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 521
Date of Enforcement Action: 20200127
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20181126
Actual Return to Compliance Date: 20181204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 520
Date of Enforcement Action: 20190116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD IS-Ground-Water Monitoring
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19880821
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: STATE TO EPA ADMINISTRATIVE REFERRAL

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	HW Management System - Definitions
Date Violation was Determined:	20141118

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20141120
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 516
Date of Enforcement Action: 20160504
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Imports
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19940504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date:	19940816
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19940512
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	4700
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19911010

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD IS-General
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171215
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20181126

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20181204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 308
Date of Enforcement Action: 20181126
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19910820
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: 005
Date of Enforcement Action: 19890928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921108
Actual Return to Compliance Date: 19930115
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19921108
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 9000
Final Monetary Amount: 9000
Paid Amount: Not reported
Final Count: 1
Final Amount: 9000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19921108
Actual Return to Compliance Date: 19930115
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19930429
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 2200
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Manifest/Records/Reporting
Date Violation was Determined: 20181126

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20181204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 308
Date of Enforcement Action: 20181126
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890802
Actual Return to Compliance Date: 19901004
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: 005
Date of Enforcement Action: 19890928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	20171114
Actual Return to Compliance Date:	20171116
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	519
Date of Enforcement Action:	20180103
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	20171114

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20191203
Actual Return to Compliance Date: 20191204
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 309
Date of Enforcement Action: 20191203
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date:	19940816
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19940512
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	4700
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD IS-General
Date Violation was Determined:	20171114

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20171215
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Universal Waste - General
Date Violation was Determined:	20171114

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 307
Date of Enforcement Action: 20171116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: HW Management System - Definitions
Date Violation was Determined: 20141118
Actual Return to Compliance Date: 20141120
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 516
Date of Enforcement Action: 20160504
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Manifest/Records/Reporting
Date Violation was Determined: 20181126
Actual Return to Compliance Date: 20181204
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 520
Date of Enforcement Action: 20190116
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Universal Waste - General
Date Violation was Determined: 20171114

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	19890802

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 19910820
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19891028
Enforcement Identifier: 005
Date of Enforcement Action: 19890928
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19940504
Actual Return to Compliance Date:	19940816
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19940512
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	4700
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - Imports
Date Violation was Determined: 20171114
Actual Return to Compliance Date: 20171116
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 519
Date of Enforcement Action: 20180103
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: HW Management System - Definitions
Date Violation was Determined: 20141118
Actual Return to Compliance Date: 20141120
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 304
Date of Enforcement Action: 20141120
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19911010
Actual Return to Compliance Date: 19920117
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 007
Date of Enforcement Action: 19911206
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19870223

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date: 19870325
Return to Compliance Qualifier: Observed
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: State Statute or Regulation
Date Violation was Determined: 20191203
Actual Return to Compliance Date: 20200629
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 521
Date of Enforcement Action: 20200127
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19880324
Actual Return to Compliance Date: 19880821
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19890209
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: R9EPA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: TSD - General
Date Violation was Determined: 19890123

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Actual Return to Compliance Date:	19901004
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	19890802
Actual Return to Compliance Date:	19910820
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19891028
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19930330
Evaluation Responsible Agency:	State
Found Violation:	Yes

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930615
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930615
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20090930
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940405
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940816
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910820
Scheduled Compliance Date:	19891028

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870223
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870325
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901004
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20141118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20070207
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930330
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930615
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970218
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200629
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20051212
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870325
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901004
Scheduled Compliance Date:	19900909
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920117
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940406
Evaluation Responsible Agency:	EPA-Initiated Oversight/Observation/Training Actions
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950406
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20191204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20181126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Date:	20131210
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20081119
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20160614
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19920219
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20130416
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20011106
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20031119
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20141118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980204
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20010613
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940405
Evaluation Responsible Agency:	State

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940816
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19911010
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171215
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20181126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20080304
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910820
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19921108
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930115
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20181126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901004
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20191203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20191204
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19990216
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940405
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940816
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960205
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110412
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171215
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20040914
Evaluation Responsible Agency:	State

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20141118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20181126
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181204

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20021120
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950406
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910820
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940405
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940816
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20120402
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20171116
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20141118
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20141120
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20161220
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20171114
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910820
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920117
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870223
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870325
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20191203
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20200629
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880324
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19880821
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890123
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19901004
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890802
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910820
Scheduled Compliance Date:	19891028
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20000627
Evaluation Responsible Agency:	State

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

SIte:

Name:	EDWARDS AIR FORCE BASE
Address:	AFFTC EDWARDS AFB
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524
Event Code:	Not reported
Action Taken Date:	06/28/2013
EPA ID:	CA1570024504
Action Name:	Explanation of Significant Differences
Action ID:	1
Operable Unit:	11
Contaminated Media:	Debris
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

Media:

EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	11
Action Name:	Explanation of Significant Differences
Action Taken Date:	06/28/2013
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	11
Action Name:	Explanation of Significant Differences
Action Taken Date:	06/28/2013
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EDWARDS AIR FORCE BASE (Continued) **1000155217**

EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	11
Action Name:	Explanation of Significant Differences
Action Taken Date:	06/28/2013
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	11
Action Name:	Explanation of Significant Differences
Action Taken Date:	06/28/2013
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	1
Operable Unit:	02
Action Name:	ROD Amendment
Action Taken Date:	09/27/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	02
Action Name:	ROD Amendment
Action Taken Date:	09/27/2012

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	1
Operable Unit:	02
Action Name:	ROD Amendment
Action Taken Date:	09/27/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	2
Operable Unit:	03
Action Name:	Record of Decision
Action Taken Date:	09/30/2003
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2003
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	3
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	09/24/2007
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2007

EDWARDS AIR FORCE BASE (Continued) **1000155217**

NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	3
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	09/24/2007
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2007
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	4
Operable Unit:	06
Action Name:	Record of Decision
Action Taken Date:	09/28/2006
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2006
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	02
Action Name:	ROD Amendment
Action Taken Date:	09/27/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID: CA1570024504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Contaminated Media: Soil
Action ID: 1
Operable Unit: 02
Action Name: ROD Amendment
Action Taken Date: 09/27/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Solid Waste
Action ID: 1
Operable Unit: 02
Action Name: ROD Amendment
Action Taken Date: 09/27/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Solid Waste
Action ID: 1
Operable Unit: 02
Action Name: ROD Amendment
Action Taken Date: 09/27/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Solid Waste
Action ID: 1
Operable Unit: 02
Action Name: ROD Amendment
Action Taken Date: 09/27/2012
Event Code: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	02
Action Name:	ROD Amendment
Action Taken Date:	09/27/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Free-phase NAPL
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Free-phase NAPL
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Groundwater

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	06/24/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	1

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 06/24/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Solid Waste
Action ID: 1
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 06/24/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Groundwater
Action ID: 4
Operable Unit: 06
Action Name: Record of Decision
Action Taken Date: 09/28/2006
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2006
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Soil
Action ID: 4
Operable Unit: 06
Action Name: Record of Decision
Action Taken Date: 09/28/2006
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2006
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	5
Operable Unit:	15
Action Name:	Record of Decision
Action Taken Date:	09/16/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	5
Operable Unit:	15
Action Name:	Record of Decision
Action Taken Date:	09/16/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	5
Operable Unit:	15
Action Name:	Record of Decision
Action Taken Date:	09/16/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	5
Operable Unit:	15
Action Name:	Record of Decision
Action Taken Date:	09/16/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	5
Operable Unit:	15
Action Name:	Record of Decision
Action Taken Date:	09/16/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	5
Operable Unit:	15
Action Name:	Record of Decision
Action Taken Date:	09/16/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700
EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	12
Operable Unit:	11

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action Name:	Record of Decision
Action Taken Date:	08/04/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	12
Operable Unit:	11
Action Name:	Record of Decision
Action Taken Date:	08/04/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	12
Operable Unit:	11
Action Name:	Record of Decision
Action Taken Date:	08/04/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	12
Operable Unit:	11
Action Name:	Record of Decision
Action Taken Date:	08/04/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	12
Operable Unit:	11
Action Name:	Record of Decision
Action Taken Date:	08/04/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Soil
Action ID:	12
Operable Unit:	11
Action Name:	Record of Decision
Action Taken Date:	08/04/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	12
Operable Unit:	11
Action Name:	Record of Decision
Action Taken Date:	08/04/2008
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2008
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EDWARDS AIR FORCE BASE (Continued) **1000155217**

EPA ID: CA1570024504
Contaminated Media: Soil
Action ID: 12
Operable Unit: 11
Action Name: Record of Decision
Action Taken Date: 08/04/2008
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Solid Waste
Action ID: 15
Operable Unit: 13
Action Name: Record of Decision
Action Taken Date: 09/21/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Debris
Action ID: 15
Operable Unit: 13
Action Name: Record of Decision
Action Taken Date: 09/21/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Solid Waste
Action ID: 15
Operable Unit: 13
Action Name: Record of Decision
Action Taken Date: 09/21/2012

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Debris
Action ID:	15
Operable Unit:	13
Action Name:	Record of Decision
Action Taken Date:	09/21/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Action ID:	15
Operable Unit:	13
Action Name:	Record of Decision
Action Taken Date:	09/21/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Action ID:	15
Operable Unit:	13
Action Name:	Record of Decision
Action Taken Date:	09/21/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012

EDWARDS AIR FORCE BASE (Continued) **1000155217**

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Groundwater
Action ID: 15
Operable Unit: 13
Action Name: Record of Decision
Action Taken Date: 09/21/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Landfill Gas
Action ID: 15
Operable Unit: 13
Action Name: Record of Decision
Action Taken Date: 09/21/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Debris
Action ID: 15
Operable Unit: 13
Action Name: Record of Decision
Action Taken Date: 09/21/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Contaminated Media: Debris
Action ID: 15
Operable Unit: 13
Action Name: Record of Decision
Action Taken Date: 09/21/2012
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Groundwater
Action ID: 5
Operable Unit: 15
Action Name: Record of Decision
Action Taken Date: 09/16/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

EPA ID: CA1570024504
Contaminated Media: Groundwater
Action ID: 12
Operable Unit: 11
Action Name: Record of Decision
Action Taken Date: 08/04/2008
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

US INST CONTROLS:
Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action Name:	Explanation of Significant Differences
Action ID:	1
Operable Unit:	11
Actual Date:	06/28/2013
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2013
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

Name:	EDWARDS AIR FORCE BASE
Address:	AFFTC EDWARDS AFB
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524
EPA ID:	CA1570024504
Action Name:	Record of Decision
Action ID:	1
Operable Unit:	02
Actual Date:	06/24/2009
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

Name:	EDWARDS AIR FORCE BASE
Address:	AFFTC EDWARDS AFB
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524
EPA ID:	CA1570024504
Action Name:	Record of Decision
Action ID:	1
Operable Unit:	02
Actual Date:	06/24/2009
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2009
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
Action Name: Record of Decision
Action ID: 1
Operable Unit: 02
Actual Date: 06/24/2009
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
Action Name: Record of Decision
Action ID: 3
Operable Unit: 04
Actual Date: 09/24/2007
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2007
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
Action Name: Record of Decision
Action ID: 3
Operable Unit: 04
Actual Date: 09/24/2007
Contaminated Media: Soil Gas
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Fiscal Year: 2007
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
Action Name: Record of Decision
Action ID: 4
Operable Unit: 06
Actual Date: 09/28/2006
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2006
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
Action Name: Record of Decision
Action ID: 5
Operable Unit: 15
Actual Date: 09/16/2009
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
Action Name: Record of Decision
Action ID: 12
Operable Unit: 11
Actual Date: 08/04/2008

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Contaminated Media: Debris
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
Action Name: Record of Decision
Action ID: 12
Operable Unit: 11
Actual Date: 08/04/2008
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
Action Name: Record of Decision
Action ID: 15
Operable Unit: 13
Actual Date: 09/21/2012
Contaminated Media: Debris
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2012
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 34.949439
Longitude: -117.885700

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
Address 2: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

City,State,Zip:	EDWARDS AFB, CA 93524
EPA ID:	CA1570024504
Action Name:	Record of Decision
Action ID:	15
Operable Unit:	13
Actual Date:	09/21/2012
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

Name:	EDWARDS AIR FORCE BASE
Address:	AFFTC EDWARDS AFB
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524
EPA ID:	CA1570024504
Action Name:	Record of Decision
Action ID:	15
Operable Unit:	13
Actual Date:	09/21/2012
Contaminated Media:	Solid Waste
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	34.949439
Longitude:	-117.885700

Name:	EDWARDS AIR FORCE BASE
Address:	AFFTC EDWARDS AFB
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524
EPA ID:	CA1570024504
Action Name:	Record of Decision
Action ID:	15
Operable Unit:	13
Actual Date:	09/21/2012
Contaminated Media:	Landfill Gas
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2012
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Latitude: 34.949439
Longitude: -117.885700

ENVIROSTOR:
Name: EDWARDS AIR FORCE BASE - IR/MMRP
Address: 470 SQ MI; 60 MI NE OF LOS ANGELES, CA
City,State,Zip: EDWARDS, CA 93523
Facility ID: 15970001
Status: Active
Status Date: 05/01/1986
Site Code: 100052
Site Type: Federal Superfund
Site Type Detailed: Open Base
Acres: 300800
NPL: YES
Regulatory Agencies: SMBRP, RWQCB 6V - Lahontan, US EPA
Lead Agency: US EPA
Program Manager: Kevin Depies
Supervisor: Peter Bailey
Division Branch: Cleanup Legacy Landfills
Assembly: 36
Senate: 16
Special Program: DSMOA
Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: DERA
Latitude: 34.90604
Longitude: -117.8825
APN: NONE SPECIFIED
Past Use: AIRCRAFT MAINTENANCE, FUEL - AIRCRAFT STORAGE/ REFUELING, AIRCRAFT MAINTENANCE, RESEARCH - OTHER, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, RESEARCH - OTHER, AEROSPACE ROCKET TESTING/LAUNCH, FUEL - AIRCRAFT STORAGE/ REFUELING, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - AEROSPACE, LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE, FUEL - AIRCRAFT STORAGE/ REFUELING, AIRCRAFT MAINTENANCE, FUEL - AIRCRAFT STORAGE/ REFUELING, AEROSPACE ROCKET TESTING/LAUNCH, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - AEROSPACE, DEGREASING FACILITY, JET FUEL STORAGE/REFUELING, AIRCRAFT MAINTENANCE, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, DEGREASING FACILITY, DEGREASING FACILITY, ABOVE GROUND STORAGE TANKS, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, FUEL - AIRCRAFT STORAGE/ REFUELING, AIRCRAFT MAINTENANCE, RESEARCH - CHEMICAL, AEROSPACE MANUFACTURING/MAINTENANCE, FUEL - AIRCRAFT STORAGE/ REFUELING, AEROSPACE ROCKET TESTING/LAUNCH, AIRFIELD OPERATIONS, RESEARCH - CHEMICAL, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - CHEMICAL, RESEARCH - CHEMICAL, DEGREASING FACILITY, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, FUEL - AIRCRAFT STORAGE/ REFUELING, JET FUEL STORAGE/REFUELING, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AEROSPACE ROCKET TESTING/LAUNCH, DEGREASING FACILITY, FUEL - AIRCRAFT STORAGE/ REFUELING, AIRCRAFT MAINTENANCE, FUEL - AIRCRAFT STORAGE/ REFUELING, DEGREASING FACILITY, AIRCRAFT MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AIRCRAFT MAINTENANCE, LANDFILL - HAZARDOUS WASTE, OPEN BURN/OPEN DETONATION, RESEARCH - AEROSPACE, RESEARCH - CHEMICAL, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - AEROSPACE, AEROSPACE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

ROCKET TESTING/LAUNCH, RESEARCH - AEROSPACE, WASTE - INDUSTRIAL WASTE LINE, LANDFILL - HAZARDOUS WASTE, AEROSPACE ROCKET TESTING/LAUNCH, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AIRFIELD OPERATIONS, FIRE TRAINING AREAS

Potential COC: Benzene Benzene Tetrachloroethylene (PCE TPH-JET FUEL 1,1-Dichloroethane 1,2-Dichloroethane (EDC Ethylbenzene 1,1,2,2-Tetrachloroethane Toluene 1,2,4-Trimethylbenzene Xylenes Benzene Methylene chloride Trichloroethylene (TCE Explosives (UXO, MEC Explosives (UXO, MEC Explosives (UXO, MEC Perchlorate Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE N-Nitrosodimethylamine Methyl tertbutyl ether (MTBE Perchlorate Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride 1,2-Dichloroethylene (cis 1,4-Dioxane N-Nitrosodimethylamine Perchlorate Perchlorate Polychlorinated biphenyls (PCBs Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Polynuclear aromatic hydrocarbons (PAHs Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Carbon tetrachloride Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Tetrachloroethylene (PCE Trichloroethylene (TCE Tetrachloroethylene (PCE N-Nitrosodimethylamine TPH-gas TPH-JET FUEL TPH-JET FUEL Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Benzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA 1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethylene 1,2,4-Trimethylbenzene 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis 1,3,5-Trimethylbenzene 1,4-Dichlorobenzene 1,4-Dioxane Benzene Chloromethane (methyl chloride Ethylbenzene Methyl tertbutyl ether (MTBE Methylene chloride N-Nitrosodimethylamine Naphthalene Tetrachloroethylene (PCE Toluene Trichloroethylene (TCE Xylenes Trichloroethylene (TCE Trichloroethylene (TCE Trichloroethylene (TCE Trichloroethylene (TCE Aluminum Barium and compounds Beryllium and compounds Naphthalene Antimony and compounds Arsenic Molybdenum Nickel Antimony and compounds Cadmium and compounds Lead Mercury and compounds Nickel Antimony and compounds Cadmium and compounds Ethylbenzene Lead Manganese and compounds Polychlorinated biphenyls (PCBs Toluene Xylenes Zinc Beryllium and compounds Beryllium and compounds Beryllium and compounds Chromium III Chromium VI Cobalt Iron Mercury and compounds Thallium and compounds Vanadium and compounds Zinc Chromium III Chromium VI Copper and compounds Iron Lead Nickel Perchlorate Selenium Zinc 1,2-Dichloroethane (EDC Benzene Trichloroethylene (TCE 1,2-Dichloroethane (EDC 1,4-Dichlorobenzene Chloroform Hexachlorobutadiene Nickel Trichloroethylene (TCE 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Benzene Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride 1,1-Dichloroethylene 1,2-Dichloroethylene (cis Acetone Aluminum Antimony and compounds Arsenic Barium and compounds Beryllium and compounds Bis(2-ethylhexyl)phthalate (DEHP) Cadmium and compounds Chromium III Chromium VI Cobalt Copper and compounds Dieldrin Dimethyl phthalate Endrin Ethylbenzene Fluorine (soluble fluoride Iron Lead Mercury and compounds Methylene chloride Molybdenum Nickel Selenium Silver Toluene Trichloroethylene (TCE Vanadium and compounds Zinc n-Propylbenzene 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans 2,6-Dinitrotoluene (also see Dinitrotoluene mixture Acetone Barium and compounds Benz[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Bis(2-ethylhexyl)phthalate (DEHP) Bromomethane (Methyl bromide Cadmium and compounds Chloromethane (methyl chloride Chromium III Chromium VI Chrysene Cobalt Copper and

EDWARDS AIR FORCE BASE (Continued) **1000155217**

compounds Fluoranthene Indeno[1,2,3-cd]pyrene Iron Manganese and compounds Mercury and compounds Methylene chloride Molybdenum Nickel Nitrate Pyrene Tetrachloroethylene (PCE Thallium and compounds Toluene Trichloroethylene (TCE Vinyl chloride Xylenes Zinc 1,2-Dichloroethylene (cis Benzene Trichloroethylene (TCE 1,1,2-Trichloroethane 1,2-Dibromoethane (EDB Benzene Cadmium and compounds Tetrachloroethylene (PCE Trichloroethylene (TCE 1,1,2-Trichloroethane 1,2-Dibromoethane (EDB Benzene Cadmium and compounds Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2,4-Trimethylbenzene Acetone Beryllium and compounds Bromodichloromethane Bromoform (tribromomethane Chloroform Cobalt Dibromochloromethane Mercury and compounds Trichloroethylene (TCE Xylenes 1,2,4-Trimethylbenzene 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Benzene Ethylbenzene Naphthalene Toluene Trichloroethylene (TCE Vinyl chloride Xylenes 39105 39106

Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Carbon tetrachloride Benzene Methylene chloride Trichloroethylene (TCE Chloroform Cobalt Dibromochloromethane Mercury and compounds Xylenes 1,2,4-Trimethylbenzene Trichloroethylene (TCE Acetone Beryllium and compounds Bromodichloromethane Bromoform (tribromomethane Benzene Cadmium and compounds 1,2-Dibromoethane (EDB 1,1,2-Trichloroethane Tetrachloroethylene (PCE Trichloroethylene (TCE Benzene Cadmium and compounds 1,2-Dibromoethane (EDB 1,1,2-Trichloroethane Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI Cobalt Mercury and compounds Vanadium and compounds Zinc Iron Thallium and compounds Benzene 1,2-Dichloroethylene (cis Trichloroethylene (TCE Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane (EDC Nickel Hexachlorobutadiene Trichloroethylene (TCE Endrin Lead Arsenic Cadmium and compounds Chromium III Chromium VI Cobalt Copper and compounds 1,1-Dichloroethylene 1,2-Dichloroethylene (cis Dieldrin Mercury and compounds Methylene chloride Molybdenum Nickel Vanadium and compounds Zinc Dimethyl phthalate Ethylbenzene Fluorine (soluble fluoride Iron n-Propylbenzene Selenium Toluene Silver Trichloroethylene (TCE Acetone Aluminum Antimony and compounds Barium and compounds Beryllium and compounds Bis(2-ethylhexyl)phthalate (DEHP) Benzene Ethylbenzene Xylenes 1,1,2,2-Tetrachloroethane 1,2,4-Trimethylbenzene Tetrachloroethylene (PCE 1,1-Dichloroethane 1,2-Dichloroethane (EDC Toluene TPH-JET FUEL Lead Cadmium and compounds Manganese and compounds Xylenes Zinc Ethylbenzene Toluene Polychlorinated biphenyls (PCBs Antimony and compounds Lead Perchlorate Chromium III Chromium VI Copper and compounds Nickel Zinc Iron Selenium Polychlorinated biphenyls (PCBs Benzene Benzene 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride Benzene 1,2-Dichloroethane (EDC Trichloroethylene (TCE Trichloroethylene (TCE Tetrachloroethylene (PCE Trichloroethylene (TCE 30003-NO 30022-NO 3002501-NO 30027-NO 30195-NO 30196-NO Beryllium and compounds No Contaminants found Trichloroethylene (TCE Polynuclear aromatic hydrocarbons (PAHs Polynuclear aromatic hydrocarbons (PAHs No Contaminants found Tetrachloroethylene (PCE N-Nitrosodimethylamine No Contaminants found No Contaminants found Trichloroethylene (TCE Naphthalene Aluminum Barium and compounds Beryllium and compounds TPH-gas TPH-JET FUEL Perchlorate Perchlorate Explosives (UXO, MEC Perchlorate Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE N-Nitrosodimethylamine Methyl tertbutyl ether (MTBE Benzene Chloromethane (methyl chloride

EDWARDS AIR FORCE BASE (Continued) **1000155217**

1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane (EDC 1,1-Dichloroethylene 1,2-Dichloroethylene (cis Methylene chloride N-Nitrosodimethylamine Xylenes 1,4-Dioxane Ethylbenzene Naphthalene Toluene 1,1,2-Trichloroethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Benzene 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Xylenes Ethylbenzene Naphthalene Toluene 1,2,4-Trimethylbenzene Trichloroethylene (TCE Vinyl chloride Trichloroethylene (TCE Lead Cadmium and compounds Mercury and compounds Nickel Antimony and compounds Cadmium and compounds Chloromethane (methyl chloride Chromium III Chromium VI Cobalt Copper and compounds 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Manganese and compounds Mercury and compounds Methylene chloride Molybdenum Nickel Nitrate Xylenes Zinc 2,6-Dinitrotoluene (also see Dinitrotoluene mixture Iron Benz[a]anthracene Benzo[b]fluoranthene Benzo[a]pyrene Chrysene Fluoranthene Indeno[1,2,3-cd]pyrene Pyrene Thallium and compounds Toluene Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride Acetone Barium and compounds Bis(2-ethylhexyl)phthalate (DEHP) Bromomethane (Methyl bromide Arsenic Molybdenum Nickel Antimony and compounds Explosives (UXO, MEC No Contaminants found Beryllium and compounds Beryllium and compounds Polychlorinated biphenyls (PCBs 30011-NO Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Methyl tertbutyl ether (MTBE Perchlorate Tetrachloroethylene (PCE 30027-NO Vinyl chloride 1,2-Dichloroethylene (cis 1,4-Dioxane N-Nitrosodimethylamine 39105 39106

Potential Description: OTH, SOIL, OTH, OTH, SOIL, OTH, SOIL, SURFW, OTH, SOIL, SURFW, SOIL, OTH, SOIL, OTH, OTH, SOIL, OTH, SOIL, SOIL, SOIL, SOIL, OTH, OTH, SOIL, OTH, OTH, SOIL, OTH, SOIL, IA, OTH, SOIL, SV, OTH, SOIL, SOIL, IA, OTH, SOIL, SV, SV, IA, OTH, OTH, SOIL, OTH, SOIL, OTH, SOIL, OTH, SOIL, OTH, SOIL, OTH, SOIL, OTH, SOIL, SOIL, SOIL, SOIL, SOIL, OTH, SOIL, OTH, SOIL, SV, IA

Alias Name: EDWARDS AFB
Alias Type: Alternate Name
Alias Name: CA1570024504
Alias Type: EPA Identification Number
Alias Name: 110033616120
Alias Type: EPA (FRS #)
Alias Name: DOD100074300
Alias Type: GeoTracker Global ID
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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Name:	DOD100111200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100111300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100111400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100111500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100111600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100111700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100111800
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Alias Name:	DOD100111900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112300
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Alias Name:	DOD100112400
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Alias Name:	DOD100112600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112900
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Alias Name:	DOD100113000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114000

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100114900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100115000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100115100
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Alias Name:	DOD100115200
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Alias Name:	DOD100116000
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Alias Name:	DOD100116200
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Alias Name:	DOD100116300
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Alias Name:	DOD100116500
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Alias Name:	DOD100116600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116800
Alias Type:	GeoTracker Global ID

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Name:	DOD100116900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118300
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Alias Name:	DOD100118400
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Alias Name:	DOD100118600
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Alias Name:	DOD100118700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118900
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119700

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120800
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Alias Name:	DOD100120900
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Alias Name:	DOD100122300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122500
Alias Type:	GeoTracker Global ID

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Name:	DOD100122600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123100
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Alias Name:	DOD100123600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123900
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Alias Type:	GeoTracker Global ID
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125400

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125700
Alias Type:	GeoTracker Global ID
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Alias Name:	DOD100125900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126000
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Alias Name:	DOD100126100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126200
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128200
Alias Type:	GeoTracker Global ID

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Name:	DOD100128300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128600
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Alias Name:	DOD100128800
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Alias Name:	DOD100129000
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Alias Name:	DOD100130700
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Alias Name:	DOD100130800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131100

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131900
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132100
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Alias Name:	DOD100132700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132800
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Alias Name:	DOD100132900
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Alias Name:	DOD100133000
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Alias Name:	DOD100133900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134300
Alias Type:	GeoTracker Global ID

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Name:	DOD100134400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134700
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Alias Name:	DOD100134900
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137400
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137600

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137900
Alias Type:	GeoTracker Global ID
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140600
Alias Type:	GeoTracker Global ID

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Name:	DOD100140700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141000
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Alias Name:	DOD100141100
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Alias Name:	DOD100143000
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143500

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143800
Alias Type:	GeoTracker Global ID
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Alias Name:	DOD100146100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146300
Alias Type:	GeoTracker Global ID

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Alias Name:	DOD100146400
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Alias Name:	DOD100146500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146700
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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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EDWARDS AIR FORCE BASE (Continued) **1000155217**

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Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date:	06/01/2016
Comments:	Preliminary Assessment Report for Perfluorinated Compounds at EAFB. This report was issued as a final and provided to DTSC only electronically. The Air Force verbalized a request for DTSC input to prepare for the Site Inspection/Investigation scheduled for 2016
Completed Area Name:	8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	01/15/2010
Comments:	Pre-Design Investigation Work Plan, sites 226, 257, and 299. DTSC concurred with the work; however some of our comments may not have been adequately addressed. These includes questions regarding the background value being used for arsenic, the location of the proposed upgradient well at Site 257 and vertical contaminant groundwater control at Site 299.
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Site 285
Completed Document Type:	Monitoring Report

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Date: 08/26/2016
Comments: Site 285 GETS Annual Operation and Maintenance (10/14-9/15) Report

Completed Area Name: 4/9 AFRL Misc. Documents
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/12/2016
Comments: Groundwater Sampling and Analyses Plan Volume III, OU 4/9 Long-Term Monitoring Optimization

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76
Completed Document Type: Removal Action Workplan
Completed Date: 10/14/2016
Comments: Completed

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/30/2016
Comments: This document was submitted as a Final in accordance with agreement with AF made in 2011. There are not Draft or Draft Final versions associated with this document.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 09/21/2016
Comments: Completed. Included in OU6 Second Five-Year Review Report.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/22/2016
Comments: 2010 Well Installation Technical Memorandum for Sites 226, 257, and 299. Because of DTSC's limited resources, this report was not reviewed. However, it is a low priority document essentially just documenting the results of the well installation activities and therefor not requiring review.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/12/2017
Comments: 2013 Well Installation Technical Memorandum for Sites 61, 299, and 301. Provides the details of data gaps wells that were installed in 2013.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 37
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/20/2016
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2015

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Document Type: 5 Year Review Reports
Completed Date: 09/22/2016
Comments: EPA submitted concurrence letter.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/11/2016
Comments: Operable Units 1/8 2016 Groundwater Monitoring Schedule

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/09/2020
Comments: OU 1/8 GWM 2020 Sampling and Analyses Plan

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2021
Comments: Final OU6 Groundwater Plume Delineation Report

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 04/12/2003
Comments: Site 25 Groundwater Monitoring Report for 2001

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 04/18/2003
Comments: Site 25 Groundwater Monitoring Report for 2002

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Technical Workplan
Completed Date: 04/02/2021
Comments: Site 25 Long-Screen Well Temporary Plugging and Decommissioning Letter Workplan

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18
Completed Document Type: Monitoring Report
Completed Date: 06/01/2021
Comments: Site 18 Building 1807 Vapor Intrusion Monitoring Report November 2019-May 2020

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 05/15/2020
Comments: OU6 NASA 2019 Land Use Restriction Report

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Date: 04/12/2021
Comments: Final OU6 2020 Land Use Restriction Report

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/18/2020
Comments: Site 13 Annual 2019 Compliance Monitoring Report

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2020
Comments: Final Report submitted by Air Force.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/03/2020
Comments: Final document submitted by Air Force.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 03/03/2021
Comments: Site 285 Groundwater Monitoring Report for 2019

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 37
Completed Document Type: Monitoring Report
Completed Date: 11/03/2020
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2019

Completed Area Name: 9 - Air Force Research Lab - East - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 11/04/2020
Comments: Mars Blvd Sites 6 and 113 Well Installation Workplan

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/04/2020
Comments: Site 25 Field Injection Test Technical Memorandum Work Plan

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/22/2021
Comments: Arroyos Vapor Intrusion Sampling Report- February 2020 Sampling at Buildings 8620, 8635, 8663, 8762, and 8765.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/23/2021

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments: Site 540 Site Inspection Workplan

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/21/2021
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Enforceable Schedule
Completed Date: 10/16/2020
Comments: October 2020 Update to the FFA schedule

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Workplan
Completed Date: 05/17/2021
Comments: Not reported

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/15/2021
Comments: Arroyos Well Installation Workplan

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/25/2020
Comments: AFRL Arroyos Letter Addendum No. 1 to the Final VI Plan to Evaluate the Vapor Intrusion Pathway

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/23/2019
Comments: Evaluation of Long-Screen Wells influence on water level (potentiometric surface) contouring. DTSC provided input in comments on the 2017 OU 1/8 GMR.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 07/29/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 01/26/2021
Comments: Aqueous Film Forming Foam Agents (PFC, PFOA, PFOS) Expanded Site Inspection Report. Sites will continue to the RI stage.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Date: 11/19/2020
Comments: Final Report submitted by Air Force

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76
Completed Document Type: Monitoring Report
Completed Date: 12/18/2020
Comments: Document is final and complete.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Monitoring Report
Completed Date: 01/08/2021
Comments: Final Site 86 Annual Remedial Action Status Report, Oct 2018-Sept2019 Completed.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 21
Completed Document Type: Correspondence
Completed Date: 05/18/2017
Comments: Because of the evidence of a CERCLA hazardous substances release, ty agreement between the RPMs, Site 21 has been transferred from the Air Force's Compliance Restoration Program ("Fuels Program") back to the CERCLA program.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 13
Completed Document Type: Monitoring Report
Completed Date: 06/14/2016
Comments: Site 13 Landfill Annual Compliance Monitoring Report for 2015

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 13
Completed Document Type: Monitoring Report
Completed Date: 03/12/2015
Comments: Site 13 Landfill Annual Compliance Monitoring Report for 2013

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/14/2016
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 03/16/2017
Comments: Site Inspection Workplan (UFP-QAPP) for Aqueous Film Forming Foam Usage (PFCs/PFAS) at EAFB

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Enforceable Schedule
Completed Date: 09/12/2016
Comments: 2016 Update to the FFA Schedule

Completed Area Name: 4A - AFRL Arroyos

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Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/28/2017
Comments: AFRL Arroyos 2015 GWM Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 05/02/2017
Comments: Sites 17, 19, 51, 58, and 66 Cone Penetration Test Investigation and Site 58 Well Installation Report

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 04/13/2017
Comments: Site 25 Groundwater Monitoring Report for 2015

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 10/11/2016
Comments: OU 1/8 Groundwater Monitoring Sampling Plan for 2016. 2016 is an "off year" for sampling; however the RPMs agreed that data was needed from a select group of wells to provide data for the upcoming FS. The wells selected for sampling were agreed upon in the July 2016 RPM meeting.

Completed Area Name: 4/9 Mars Blvd Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/03/2017
Comments: Mars Blvd Sites 2015 GWM Report

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 10/06/2016
Comments: OU 1/8 2016 Groundwater Monitoring Sampling Plan. A select list of wells will be sampled, agreed upon by the Air Force and regulators during the July 2016 RPM meeting. These data will be used to augment the pending OU 1/8 Feasibility Study.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/28/2016
Comments: Sites 81 and 102 NTCRA Pre-Design Survey Field Activities Letter Report. This report summarizes further site characterization which will be used to finalize the planned "removal action".

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 05/12/2021
Comments: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Area Name:	8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Feasibility Study Report
Completed Date:	10/12/2009
Comments:	Not reported

Completed Area Name:	7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	10/22/2008
Comments:	The Final OU 7 RI Report covers 8 sites that moved past the PA/SI phase. Of the 8 sites, 4 sites (Sites 267, 269, 272, and 293) require no further action after review and agreement by the RPMs. Four sites (Sites 3, 280, 294, and 339) will continue on into the Feasibility Study phase.

Completed Area Name:	7 - Operable Unit 7, Basewide Misc. - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Feasibility Study Report
Completed Date:	01/11/2010
Comments:	This is the FS for Sites 280, 294, and 339. The Air Force has evaluated clean-up remedies for the contamination in soil at these sites. DTSC has identified some potential human health risk assessment procedure issues and will work with the Air Force to resolve these.

Completed Area Name:	6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name:	Not reported
Completed Document Type:	Record of Decision
Completed Date:	10/19/2006
Comments:	The OU-6 ROD addresses six sites (N1, N2, N3, N4, N7, and AOC N14). The selected remedy OU6 Soils for all six sites is No Action. The risks associated with the soils were all within the acceptable risk range. Three of the sites (N2, N3, and N7) are the origin of the OU wide commingled groundwater plume. The groundwater contaminants are chlorinated solvents (TCE, cis-1,2 DCE, TCA, etc) and aromatic hydrocarbons (BTEX). The selected remedy for the groundwater is Land Use Controls to prevent exposure, In Situ Chemical Oxidation for chlorinated hydrocarbons, Enhanced Natural Attenuation for aromatic hydrocarbons, and monitored natural attenuation (plume containment) for the dissolved plume. DTSC signed the Declaration page on 10/19/06 and forwarded signature page to Water Board who provided the final signature on 12/28/06.

Completed Area Name:	4/9 - South AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Feasibility Study Report
Completed Date:	03/03/2006
Comments:	On March 3, 2006, DTSC concurred with the Final Focused Feasibility Study to support a Technical Impracticability Evaluation/ Containment Zone Application for the South Air Force Research Laboaratory (AFRL) in OU 4 and OU 9. Due to the presence of pure phase trichloroethene (TCE) and tetrachloroethene (PCE) in fractured bedrock at depths exceeding 250 feet, the Focused Feasibility Study recommends requesting a technical impracticability waiver for meeting the cleanup standard of the Maximum Contaminant Level for drinking water (MCL) and applies for a Containment Zone under the State Water Code.

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Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Record of Decision
Completed Date:	08/04/2009
Comments:	This ROD documents the cleanup action for groundwater for Sites 5, 14, 76, and 86; and the soil cleanup action for Site 29. The remedy to clean up groundwater at combined Sites 5 and 14 is the implementation of in-situ biotreatment to destroy floating free product, injection of chemical reagents to remediate dissolved chlorinated solvents, the continued operation of the Site 14 extraction/treatment system, and the implementation of Land Use Controls to limit potential human exposure. The remedy to clean up groundwater at Sites 76 and 86 is to inject chemical reagents and in-situ biological components, and implement LUCs to limit potential human exposure. The remedy to clean up soil at Site 29 is to remove surface debris, grade the site and install a cover which will contain a soil erosion stabilizer agent, enhance the stormwater management system, install fencing, and implement LUCs. Groundwater monitoring will be performed in perpetuity or until sites are cleaned. DTSC signed the ROD on 7/8/09.

Completed Area Name:	426
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	08/06/2004
Comments:	RA - S426 -- No Further Action recommendation following the completion of a removal action at Site 426 in OU-7, documented in the Site Interim Removal Action Report, March 2004. Site 426 is an historic WWII Chemical Warfare Material Storage Yard near dormitories where investigation delineated four possible "trenches." An excavation removal action conducted in 2002 identified no hazardous contaminants, only four sets of concrete "rails" which were removed.

Completed Area Name:	4/9 - South AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Record of Decision
Completed Date:	09/26/2007
Comments:	Selected Remedy included a waiver of the Drinking Water Cleanup Standard and implementation of land use controls and a "Containment Zone." High Concentrations of TCE and PCE exist in fractured bedrock. Feasibility Study justified a technical impracticability waiver for aquifer clean up. Soil and Groundwater will have land use controls and will be monitored to ensure contaiminants do not migrate past the "Containment Zone." Final ROD document delivered 9/5/2007. Approval signatures from Air Force, USEPA, DTSC, and RWQCB provided on 9/11, 9/24, 9/26, and 10/1/2007 respectively.

Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Not reported
Completed Document Type:	Feasibility Study Report
Completed Date:	10/21/2008
Comments:	DTSC has concurred with finalizing the FS allowing OU 1 to move to the Proposed Plan stage. Thirty six of the 48 sites have been categorized as "No Further Action" either because contamination was not found or the contamination was petroleum-only (which moves these sites to the jurisdiction of the Kern County Health Dept under RWQCB authority). Site 45 has been sufficiently remediated and assigned

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NFA. As only VOCs are contaminants of concern, the remaining 11 sites have been grouped into the "North Plume/Site 19 Plume", the "South Plume" and the "Site 44 Plume". Remedial alternatives were designed around the remediation of these three plumes.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 10/15/2004
Comments: This FS summarizes the backgrounds, plume characteristics, and remedial action alternatives evaluated for sites recommended for remedial action within Operable Unit 6 (OU-6). The report includes preliminary cleanup goals, technical approach comparisons, and cost comparisons of applicable remedial alternatives. Sites in OU-6 are not currently used for residential purposes, nor is such use anticipated; therefore, the FS focuses on industrial use considerations. The preferred alternative recommended for the Proposed Plan is Source Control and Hydrologic Control with Groundwater Monitoring.

Completed Area Name: OU-3 Basewide Homestead Wells
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 11/06/2003
Comments: RAP - OU3 -- The U.S. Environmental Protection Agency, the U.S. Air Force, and the State of California have selected No-Action as the remedy for Edwards AFB Operable Unit (OU)3. OU3 is defined as the basewide water wells and originally include 660 potential well sites determined from historical records and archival research. Initial site investigations determined that eight of the 660 wells were suspected as potential contaminant pathways to groundwater and were retained in OU3 for further evaluation. Subsequent investigations determined that none of the eight wells retained in OU3 had contributed to any groundwater contamination and, furthermore, no soil contamination was found in the vicinity of any of the wells.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: S172
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/30/2003
Comments: OM - S172 -- In January 2000, the Air Force implemented an interim removal action (IRA) consisting of soil vapor extraction (SVE) at Site 172, the outdoor waste sump at Building 8595 in Operable Uit 4, Air Force Research Laboratory. The primary objective of the IRA at Site 172 is to remove contaminant mass and reduce the further migration of volatile organic compounds (VOCs) from contaminated soil into the Site 37 groundwater plume. The SVE system operated with one well initially; two more wells were added in August 2000. Four additional extraction wells were connected to the system, which was brought on line September 12, 2002, extracting vapor from seven wells. The cumulative mass of contaminants removed during the reporting period was 472 pounds. Vapor flow rates averaged approximately 42 standard cubic feet per minute (scfm) during January to August 2002, and 84 scfm during September to December 2002 following expansion of the well field from three to seven wells. The SVE operating cost for the year 2002, excluding labor, was $95,172.

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Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 133
Completed Document Type: Removal Action Completion Report
Completed Date: 06/27/2003
Comments: RA - S133 -- Construction of the Groundwater Exttraction Treatment System was completed between 01/09 and 04/18/2001 with testing of the system during the week of 04/23/2001 and startup on 04/30/2001. The system includes three groundwater extraction wells and an aboveground treatment system that uses liquid-phase granular activated carbon to remove volatile organic compounds (VOCs) in the extracted groundwater prior to discharge to the Air Force Research Laboratory (AFRL) sewage treatment plant. The system is designed for a maximum capacity of 50 gallons per minute (gpm); however, the volume of water extracted is limited by a discharge permit to 20 gpm.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Removal Action Completion Report
Completed Date: 05/13/2003
Comments: RA - STE25 -- This report summarizes the operational maintenance and system sampling data collected during the period from December 28, 2001 through July 1, 2002 for the Site 25 Groundwater Extraction and Treatment System (GETS), in Operable Unit No. 8. During the reporting period, approximately 4,483,000 gallons of groundwater were extracted and treated by the Site 25 GETS at an average folwrate of 19.9 gallons per minute. 20.5 pounds (lbs.) of trichloroethene (TCE) were removed from treated groundwater. As of July 1, 2002, the GETS removed a cumulative total of 28.7. lbs. of TCE from treated groundwater. The treatment system effluent is discharged to the base sanitary sewer under an industrial wastewater discharge permit issued by Edwards Air Force Base (AFB).

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL32
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2002
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL31
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2002
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL30
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/28/2002
Comments: PEA - PRL30 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Managers for Operable Unit 7 - Basewide Miscellaneous Area of Concern (AOC) Number 400. The NFI determination for this site-specific action means that the AOC has been adequately investigated and that the results justify the determination. PEA - PRL31 -- No Futher Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Managers for Operable Unit 1 - Main Base Flight Line Site Number 65. The NFI determination for this site-specific action means that the Site has

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been adequately investigated and that the results justify the determination. PEA - PRL32 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Managers for Operable Unit 2 - Ould South Base Site Number 96. The NFI determination for this site-specific action means that this Site has been adequately investigated and that the results justify the determination.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL29
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/29/2002
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL28
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/29/2002
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL27
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/29/2002
Comments: PEA - PRL27 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Manager for Operable Unit 4- Air Force Research Laboratory Site Number 146 and for Operable Unit 9 - East Air Force Research Laboratory Site Number 376. The NFI determination for these site-specific actions means that these Sites have been adequately investigated and that the results justify the determination. PEA - PRL28 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Manager for Operable Unit 7 - Basewide Miscellaneous Site Number 353 and Area of Concern (AOC) Numbers 268,368 and 371. The NFI determination for these site-specific actions means that these Sites/AOCs have been adequately investigated and that the results justify the determination. PEA - PRL29 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Manager for Operable Unit 4 - Air Force Research Laboratory Site Number 7 and 146, and Area of Concern (AOC) Number 167 and 174. The NFI determination for these site-specific actions means that these Sites/AOCs have been adequately investigated and that the results justify the determination.

Completed Area Name: 426
Completed Sub Area Name: Not reported
Completed Document Type: *Action Memorandum (if <$1M)
Completed Date: 10/11/2001
Comments: RAW - S426 -- RAP of Edwards Air Force Base operable unit 7, site 426, includes both the Engineering Evaluation/Cost Analysis and Action Memorandum. The selected remedy for the chemical warfare site is containment excavation.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL26
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/13/2001

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Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL25
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/13/2001
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL24
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/13/2001
Comments: PEA - PRL24 - Preliminary Endangerment Assessment (PEA) of Edwards Air Force Base, Operable Unit 4, sites 7 and 174 and area of concern 167, determined that these sites and of concern pose no environmental or Human Health Threat. This document administratively removes these sites from further investigation. PEA - PRL25 -- Preliminary Endangerment Assessment (PEA) Edwards Air Force Base, Operable Unit 7, Sites 295, 434, 435, 436 441 and area of concern 457, determined that these sites and area of concern pose no Environmental or Human Health Threat. This document administratively removes these sites from further investigation. PEA - PRL26 -- Preliminary Endangerment Assessment (PEA) Edwards Air Force Base, Operable Unit 9, Site 179, determined that this site poses no environmental or Human Health Threat. This document administratively removes this site from further investigation.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL23
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/17/2001
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL22
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/17/2001
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL21
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/17/2001
Comments: PEA - PRL21 -- Concurrence provided on PEA equivalent document for OU7, AOCs 261, 262, 263, 264, and 265. PEA - PRL22 -- Concurrence provided on PEA equivalent document for OU10, Site 279. PEA - PRL23 -- Concurrence provided on PEA equivalent document for OU2, AOCs 458, 459, and 460.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL20
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/11/2001
Comments: PEA - PRL20 -- Concurrence provided on PEA equivalent documents for OU-5 sites 229, 235, 236, 238, 348, and 349 and AOCs 187, 190-192, 230, 246, 251, 253, 281, 283, 287, 288, 403, 420 423.

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Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL19
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/08/2001
Comments: PEA - PRL19 -- concurrence provided on PEA equivalent document for OU4, Site 186.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: *Action Memorandum (if <$1M)
Completed Date: 12/04/2000
Comments: RAW - STE25 -- Concurrance on the proposed interim removal action to treat groundwater contaminated with tetrachloroethylene and N-Nitrosodimethylamine. Extracted groundwater will be treated by carbon absorption and discharged to EAFB's sanitary sewer.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL18
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/15/2001
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL17
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/15/2001
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL16
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/15/2001
Comments: PEA - PRL16 -- Concurrence provided on PEA equivalent documents for Operable Unit #4, Site 150 and Area of Concern 168. PEA - PRL17 -- Concurrence provided on PEA equivalent documents for Operable Unit #7 Sites 4 and 34 and Areas of Concern 388 and 394. PEA - PRL18 -- Concurrence provided on PEA equivalent documents for Operable Unit #8,Site 2.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL15
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/07/2001
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL14
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/07/2001
Comments: PEA - PRL14 -- Concurrence provided on PEA equivalent documents for Operable Unit #10, Area of Concern 243. PEA - PRL15 -- Concurrence provided on PEA equivalent documents for Operable Unit #1, Sites 46, 55 and 366.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL13
Completed Document Type: Preliminary Endangerment Assessment Report

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Completed Date: 02/08/2001
Comments: PEA - PRL13 -- Concurrence provided on PEA equivalent documents for Operable Unit #4, Site 12 and Areas of Concern 121, 155 and 164.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: STE18
Completed Document Type: * Remedial or Removal Design
Completed Date: 08/02/1999
Comments: DES - STE18 -- Approval of dual extraction system design for interim removal action to treat TCE contaminated soil and groundwater.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL12
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/21/2000
Comments: PEA -- Concurrance provided on PEA equivalent documents for OU-3, sites 30,412,413,414, and 415.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL11
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/05/2000
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL10
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/05/2000
Comments: PEA - PRL10 -- Concurrance provided on PEA equivalent documents for OU-4, areas of concern 122, 141, 170, and 171. PEA - PRL11 -- Concurrance provided on PEA equivalent document for OU-5, area of concern 233.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL9
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/29/1999
Comments: PEA - PRL9 -- Concurrence provided on PEA equivalent documents for OU-2, Sites 105, 109, 111, and 364.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL8
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/29/1999
Comments: PEA - PRL8 -- Concurrence provided on PEA equivalent documents for OU-3, Sites 409, 410, 411, and 416.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL7
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/26/1999
Comments: PEA - PRL7 -- Concurrance provided on PEA - equivalent documents for OU-10 sites 228, 232, and 256.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: S223
Completed Document Type: * Remedial or Removal Design

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Completed Date: 02/02/1999
Comments: DES - S223 -- Design for installing, operating and evaluating the SVE and air sparging systems at Site 223 in OU-2.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SIT14
Completed Document Type: * Remedial or Removal Design
Completed Date: 02/01/1999
Comments: DES - SIT14 -- Design for installing, operating, and evaluating the groundwater extraction and treatment system at Site 14 in OU-2.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: B8595
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/28/1999
Comments: PEA - B8595 -- Investigation and closure of AOC's 170-172 in Building 8595 in OU-4.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL6
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/01/1998
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SRAM
Completed Document Type: Removal Action Completion Report
Completed Date: 08/03/1998
Comments: RA - SRAM -- Time critical removal action taken to destroy short range attack missile motor.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 04/27/1999
Comments: OM - OU-6 -- APPROVAL OF THE O&M PLAN FOR OU-6 SITES, N2, N3 AND N7.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: S133
Completed Document Type: *Action Memorandum (if <$1M)
Completed Date: 10/17/2000
Comments: RAW - S133 -- The proposed Interim Removal Action consists of the extraction of groundwater contaminated with solvents, primarily trichloroethlyene, and treatment by liquid phase granular activated carbon. Treated effluent will be discharged to the Base's sanitary sewer system. A total of 43,200 gallons per day of groundwater will be extracted and treated.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL5
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/01/1998
Comments: PEA - PRL5 -- EAFB has adequately investigated the OU-5 NASA Jet Propulsion laboratory PRL Sites 195, 200, 201, 243, 289 and 350 (collectively, PRL5). DTSC finds that the documents are equivalent to a PEA document. PEA - PRL6 -- EAFB has adequately investigated the OU-2 Old South Base PRL Sites 75, 77, 89, 95, 97 and 99

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(collectively, PRL6). DTSC finds that the documents are equivalent to a PEA document.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL4
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/29/1998
Comments: PEA - PRL4 -- Edwards AFB has adequately investigated the OU-2 Old South Base PRL sites 72, 73, 78, 79, 84, 87, 98, 100, 101, 104, 290, 291 and 417 (collectively, PRL4) DTSC finds that the documents are equivalent to a PEA document.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PRL1
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 12/12/1996
Comments: Not reported

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: S223
Completed Document Type: Removal Action Completion Report
Completed Date: 06/01/1999
Comments: RA - S223 -- Implementation of a SVE/Air sparging system to remediate fuel contaminated soil and groundwater.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 14
Completed Document Type: Removal Action Completion Report
Completed Date: 06/11/1999
Comments: RA - SIT14 -- Implementation of a GW extraction/treatment system to remediate TCE contaminated GW. System implemented consists of 4 extraction wells and an above ground treatment system using carbon adsorption.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SIT29
Completed Document Type: Removal Action Completion Report
Completed Date: 06/04/1998
Comments: RA - SIT29-- Removal action consisted of fencing the site for access restriction and conducting long - term groundwater monitoring.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: S223
Completed Document Type: *Action Memorandum (if <$1M)
Completed Date: 05/07/1998
Comments: RAW - Site 223 -- Petroleum hydrocarbon contamination in soil and groundwater will be treated using soil vapor extraction/vapor treatment for soils and air sparging for groundwater. Monitoring of the system will also be required.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SIT14
Completed Document Type: *Action Memorandum (if <$1M)
Completed Date: 05/07/1998
Comments: RAW - SITE14 -- Groundwater at Site 14 contaminated with petroleum hydrocarbon, volatile organics, and semi-volatile organcis will be treated via extraction and treatment by liquid-phase granular

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activated carbon adsoption, then reinjected into the groundwater aquifer

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SIT29
Completed Document Type: *Action Memorandum (if <$1M)
Completed Date: 05/07/1998
Comments: RAW - SIT29 -- The South Base abandoned landfill has been fenced and will be monitored.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 02/09/2006
Comments: The FS evaluated alternatives for each site in Operable Unit 2 - South Base. The preferred remedial alternatives for each site are summarized below: Sites 5/14 Contaminant Plume In-situ treatment of the commingled fuel and solvent contamination in groundwater with the maintenance of plume containment, long-term monitoring, and institutional controls. Pilot testing will be conducted to evaluate the appropriate method for in-situ treatment. Sites 76 and 86 Active groundwater restoration through the use of in-situ treatment and institutional controls for groundwater contaminated with trichloroethylene. Pilot testing will be conducted to evaluate the appropriate method for in-situ treatment. Site 29 Removal of recently emplaced surface debris, institutional controls, storm water controls, and long-term monitoring for the two former landfill areas. Site 69 Removal and on-base waste disposal of buried and surface debris from the Old South Base North Landfill. Excavated materials will be consolidated within the Main Base active landfill. Sites 81 and 102 Removal and off-site treatment or recycling for skeet target fragments from two former skeet ranges located in the Old South Base area.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Removal Action Completion Report
Completed Date: 12/10/1997
Comments: The Dual Extraction System at the source area of the Sites 5 and 14 plume is in place and operational. The system addresses "Hot Spot" soil and groundwater contamination from leaking USTs.

Completed Area Name: MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/1997
Comments: RA Site 7 & AOC 167. Beryllium soil contamination consolidated in an on-site waste management unit. Site is capped and revegetated and its location recorded in the Base Comprehensive Plan.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 16
Completed Document Type: Removal Action Completion Report
Completed Date: 06/30/1997
Comments: SIT16 DES Removal Action Completion - Initial operation of the Dual Extraction System began on March 18, 1997. The system is considered to be fully operational for long term use. The DES is extracting soil

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vapor and groundwater contaminated with JP-4 from the Building 1820 JP-4 Fuel Spill.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SIT45
Completed Document Type: Removal Action Completion Report
Completed Date: 05/22/1997
Comments: Not reported

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: *Action Memorandum (if >$1M)
Completed Date: 06/30/1997
Comments: RAP, OU-2 Site 5/15 Source Area Action Memorandum. Dual Phase Extraction selected for VOC and Fuel contamination in soil and groundwater.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SIT18
Completed Document Type: Remedial Action Plan
Completed Date: 05/29/1997
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SIT16
Completed Document Type: Remedial Action Plan
Completed Date: 09/30/1996
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: SIT45
Completed Document Type: Remedial Action Plan
Completed Date: 09/30/1996
Comments: Not reported

Completed Area Name: MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 09/30/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 05/31/1994
Comments: PPP - DTSC approved a Public Participation Plan (revision) for Edwards Air Force Base.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 16
Completed Document Type: Removal Action Completion Report
Completed Date: 01/30/1993
Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report

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Completed Date:	01/30/1993
Comments:	RA (OU1BV): Removal of JP-4 fuel in the vadose zone by injection of air underground to provide oxygen to native bacteria which feed on petroleum hydrocarbons. This process is being employed at Site 16 - Fuel Spill and at Site 21 - Jet Engine test cell facility. RA (OU1FP): Installation, development and activation of six scavenger pumps to remove free product from the groundwater surface at Site 16.
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	01/30/1992
Comments:	RA (OU1PR): Construction of a new JP-4 jet fuel pipeline to replace existing pipeline from fuel tank farm to flight line (4.5 miles) with double-walled pipe and leak detectors. No contaminated soil was removed with this action.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Participation Plan / Community Relations Plan
Completed Date:	04/30/1991
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	02/10/1987
Comments:	Site Screening Done.
Completed Area Name:	6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name:	Not reported
Completed Document Type:	Proposed Plan
Completed Date:	06/01/2005
Comments:	No significant public comments received.
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Site 58
Completed Document Type:	Removal Action Workplan
Completed Date:	03/25/2005
Comments:	This IRA Work plan includes additional characterization to delineate free product jet fuel and installation of a Vapor Extraction System to remediate soil and groundwater and removal of free product.
Completed Area Name:	4/9 - South AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	06/23/2005
Comments:	Final approval letter sent.
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	11/09/2004
Comments:	Final RI Report
Completed Area Name:	7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name:	Site CWM-A

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Completed Document Type: Feasibility Study Report
Completed Date: 09/14/2007
Comments: Site 442 CWM concurrence letter sent 9/14/07.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site CWM-A
Completed Document Type: Remedial Investigation Report
Completed Date: 08/04/2006
Comments: Final Report received 7/10/2006. Originally 27 sites/AOCs. RPMs agreed that 24 sites and 2 AOCs posed minimal risk to human health and environment due to CWM-related contamination and were either NFA or administratively closed under CERCLA in the Site Inspection phase. DTSC concurrance on Final document by email 8/4/2006. Two sites, Site 426 and Site 442, to be carried forward.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site CWM-A
Completed Document Type: Proposed Plan
Completed Date: 05/01/2008
Comments: Final version received 5/1/2008. Public comment period ended 6/16/2008.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site CWM-A
Completed Document Type: Record of Decision
Completed Date: 09/25/2009
Comments: This ROD is for the Chemical Warfare Materiel Operable Unit, where miscellaneous former chemical warfare materials were buried in several waste cells at Sites 442-1, -2, and -3. Chemical wastes are not thought to be present in these waste cells, but as a safety precaution, no invasive sampling was performed. Furthermore, the suspected materials are believed to have degraded since disposal. However, as a precaution, a protective remedy was selected. The selected remedy includes grading to redirect surface drainage to limit infiltration, an envirotranspiration surface cap, long term monitoring and land use controls. This ROD also selects "No Further Action" for Site 426 which was once thought to contain chemical warfare materials.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 10/22/2008
Comments: DTSC concurrence on "Final" Operable Unit 5/10 RI Summary Report. 87 sites were identified within OU 5/10, the sites were classified into the following categories: 35 sites were removed from the CERCLA process as requiring No Further Investigation following the PA/SI phase; 15 sites were removed from the CERCLA process on the condition that contaminated soil or groundwater be addressed as part of remedial actions for Site 282 or 285; 23 sites were removed from the CERCLA process as petroleum only sites. Fourteen sites (Sites 1, 231, 233, 239, 240, 242, 274, 275, 278, 279[soil only], 282[groundwater only], 285, 287[groundwater only], and 422[groundwater only]) were evaluated in this document and will continue on through the FS.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Not reported

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Completed Document Type: Proposed Plan
Completed Date: 06/28/2006
Comments: DTSC concurred with the OU2 Proposed Plan concurrence letter. Air Force proposes the following remedies for groundwater at Sites 5, 14, 76, and 86; soil and debris at sites 29, 29, 69, 81, and 102; and NFA remedies at the last four sites, Sites 78, 79, 96, and Area of Concern (AOC) 417

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 10/25/2006
Comments: DTSC concurrence with the OU-4/9 Soil and Debris Sites Feasibility Study Report. Preferred remedial alternatives include: Site 36 - Land Use Controls only (vehicle gate, warning signs, and land use restrictions. Site 312 - clean closure of the site to residential use standards, off-site disposal of excavated soil and concrete. Site 318 - Land Use Controls. Sites 6 and 113 - Expand existing LUCs and install additional fencing. Site 115 - expand existing LUCs and backfill silos with clean soil and cap with concrete.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 03/28/2006
Comments: EPA and DTSC concurred with final version of the OU-4 AFRL Proposed Plan.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 08/03/2007
Comments: Final document concurrence letter sent 8/3/07. No Further Action proposed for Sites 7, 26, 150, 153, 166, 172, 329, and 396, AOCs 170 and 171. Actions required for Sites 13, 36, 167, 312, 318, 6 and 113, and 115. Actions include continued groundwater monitoring, fencing, LUCs to prohibit residential uses and restrict industrial/construction uses.

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 09/04/2008
Comments: Final ROD addresses the soil and debris media at 16 sites and two areas of concern (AOCs) located within OUs 4 and 9 and also the groundwater medium at Sites 6 and 113. Further Action required for the following sites: OU4 (Sites 13, 36, 167, 312, and 318), OU9 (Sites 6, 113, and 115). Interim remedial actions have reduced formerly high contaminant concentrations to levels acceptable for unrestricted use at Sites or AOCs 7, 26, 153, 166, 170, 171, 172, and 396. These sites will be Certified. No further action determinations were made for Sites 150 and 329 where contaminants were below unrestricted use levels.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report

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Completed Date: 01/15/2009
Comments: This Focused Feasibility Study supports a technical impracticability (TI) evaluation and designation of a containment zone (CZ) for groundwater plumes at Sites 162 and 461 at the Air Force Research Lab, Edwards AFB. Chemicals of Concern are present in fractured bedrock at levels that pose an unacceptable risk to human health and the environment, however this FS concludes that it is impracticable to remove the COCs and recommends measures to prevent exposure to contaminated soil and groundwater.

Completed Area Name: 9 - Air Force Research Lab - East
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 02/08/2006
Comments: DTSC concurrence with Final document, no letter sent. Of the 46 original sites in OU-9, 36 sites have been excluded from the CERCLA process and the 10 remaining sites are recommended for remedial action. 29 Sites were recommended for NFA in the Site Inspection Phase, 6 are managed under the UST program, and 1 site remains active. The 10 remaining sites include: Sites 6 and 113 (Abandoned Mine Shafts used for propellant waste disposal) contain waste left in place that is unsafe to investigate, and eight groundwater plumes at sites 27, 115, 116, 125, 127, 178, 321, and 325.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 06/07/2006
Comments: DTSC concurred with RI Summary Report. Site Inspection phase eliminated nine sites from the CERCLA process as NFA. Eight sites are recommended for Feasibility Study.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/03/2009
Comments: This document presents the work to be peformed to monitor the remedies presented in the OUs 4/9 South AFRL Record of Decision. DTSC worked closely with the document development; all of DTSC concerns have been addressed.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Monitoring Report
Completed Date: 04/17/2006
Comments: DTSC concurred with annual monitoring report and recommendations for continued operation.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 03/17/2006
Comments: Concur with Recommendation to continue operation and monitoring.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 312
Completed Document Type: Remedial Investigation Workplan

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Completed Date: 04/17/2006
Comments: DTSC concurred with workplan.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 37
Completed Document Type: Treatability Study Report
Completed Date: 04/17/2006
Comments: DTSC final concur letter.

Completed Area Name: 9 - Air Force Research Lab - East
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/21/2005
Comments: DTSC concurred without comment

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 272
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/13/2006
Comments: Document not reviewed by DTSC. Work proceeded without DTSC comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Base / Site Management Plan
Completed Date: 03/28/2006
Comments: December 2005 Submittal of July-Sept. 2005 Strategy and Status Report

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 66
Completed Document Type: Removal Action Completion Report
Completed Date: 04/26/2006
Comments: DTSC concurred with final Site 66 Treatability Study Report for the Dual Extraction System without comment. SVE System removed 114907 lbs of hydrocarbons before being shut down in February 2005. 4017 lbs were removed during Pilot from vapor and free product.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 36
Completed Document Type: Removal Action Completion Report
Completed Date: 05/15/2005
Comments: The former Wastewater Holding Tank and piping, Building 8525 were removed in Aug. 2004. Approximatley 10 cubic yards of perchlorate contaminated soil was removed from beneath the tank for off-site disposal. Residual perchlorate is the only constituent of concern in the soil. Groundwater contains TCE, PCE, DCE, NDMA, and perchlorate. The groundwater will be managed under the OU-4/9 AFRL Arroyos area and Site 162.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/03/2007
Comments: Final document concurrence letter sent 8/3/07.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 37
Completed Document Type: Removal Action Completion Report

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Completed Date:	05/01/2000
Comments:	Construction complete for the Groundwater Extraction and Treatement System (GETS) at Site 37. Primary Chemical of Concern is PCE. Extraction system began operation on 1/25/1999, and consists of groundwater extraction, liquid phase GAC, and discharge to the sewer.
Completed Area Name:	6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name:	Not reported
Completed Document Type:	Design/Implementation Workplan
Completed Date:	02/16/2008
Comments:	DTSC concured with Final Remedial Action Phase 2 Work Plan for OU 6 and finds it acceptable for the Remedial Design to implement Phase 2 of the Remedial Action selected by the September 2006 Record of Decision for Edwards AFB OU 6
Completed Area Name:	6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedy Constructed: Operating Properly & Successfully
Completed Date:	04/24/2009
Comments:	This report documents the first part of Phase II of the implementation of the groundwater cleanup remedy. Phase I was the implementation of a managed Land Use Control program. Phase II comprises the injection and monitoring of chemical oxidants into groundwater. Results are encouraging as VOCs were reduced in portions of the plume. Follow-up injection/monitoring will be performed later in 2009.
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	09/19/2006
Comments:	Public comment period for OU 2 Proposed Plan.
Completed Area Name:	4A - AFRL Arroyos
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/03/2007
Comments:	Final document concurrence letter sent 8/3/07.
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Risk Assessment Report
Completed Date:	08/03/2007
Comments:	The Final OU 5/10 North Base Human Health Risk Assessment document was received by DTSC on 5/9/2007, after resolution of comments submitted by DTSC's risk assessor. Of the 14 sites carried forward into the RI phase and evaluated in this document, 12 sites exceeded the residential scenario benchmarks of 1 x 10-6 cancer risk or a noncancer Hazard Index of 1.
Completed Area Name:	Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date:	08/03/2007
Comments:	Phase I Report recommends further investigation for 14 areas: AL 500 - Main Base Closed Range, AL 501 - South Base Ordnance Ranges, North and South; AL 502 - North Base Ordnance Ranges, North and South; AL

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503 - Gates Range Areas, North, South, and West; AL 504, 7th AAF Bombing and Gunnery Range; AL 505, Edwards Off-Base Adjacent Areas 1, 2, 3, 4, and 5.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Feasibility Study Report
Completed Date: 10/02/2008
Comments: DTSC accepted the final Site 3 Main Base Inactive Landfill FS. Four alternative were evaluated with combinations of Land Use Controls, Monitored Natural Attenuation, Evapotranspirative Cover, Stormwater Control, and Waste Consolidation.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 04/30/2008
Comments: Concurrence on Final document delayed due to workload and higher priority document reviews by DTSC and Fish and Game.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 04/30/2008
Comments: Concurrence on Final version of document delayed due to heavy workload and higher priority document reviews by DTSC and Fish and Game.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 06/05/1990
Comments: Not reported

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 11/20/2008
Comments: This addendum to the OUs 4/9 Workplan provides a summary of information to-date and outlines additional work to be performed for the bioremediation pilot study for the cleanup of plumes in the Arroyos portion of the South AFRL at EAFB.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 282
Completed Document Type: Treatability Study Workplan
Completed Date: 01/06/2009
Comments: Comments to Draft Workplan rec'd 8/20/08 were provided on 9/20/08. The Final workplan was received 11/6/08 and approved on 1/6/09.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/16/2009
Comments: This document is the first phase ecological screening evaluation of the sites listed in the title. Site 233, and AOCs 284 and 287 have moved on to the next phase of evaluation while the remaining sites

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are considered no action for ecological issues.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Proposed Plan
Completed Date: 01/25/2010
Comments: This is the proposed plan for the Air Force's proposed remedy for Site 3 in OU 7. The Air Force proposes a remedy that includes consolidation of some of the landfill cells, capping the cells using an "evapotranspiration cover", and conducting monitored attenuation monitoring. Additionally, land use covenents will be applied to the site.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Proposed Plan
Completed Date: 09/23/2009
Comments: Document summarizes the investigation/feasibility study, and proposes the clean up remedy of the TCE/perchlorate/other VOC groundwater contamination at the Arroyos which is in OUs 4/9 along the northwestern side of the Edwards Air Force Research Laboratory. The proposed remedy is to apply a "Containment Zone" of the contaminated aquifer and if applicable, in the distant future institute active remediation if/when the plume(s) reach the alluvial aquifer.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Well Installation Workplan
Completed Date: 01/29/2009
Comments: This document provides the details for addressing data gaps identified in the FS. Work to be performed includes the installation of downgradient monitoring wells, and landfill soil gas monitoring wells. Draft final and comment resolution handled electronically. DTSC concurred with the final changes; all comments have been addressed. No final concurrence letter needed or sent.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 16
Completed Document Type: Well Decommissioning Workplan
Completed Date: 02/04/2009
Comments: Document presents the results of the 2007-2008 annual monitoring of the Site 16 (OU 1) SVE system. DTSC comments on the draft were adequately addressed. No concurrence letter on the final document needed or sent.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 19
Completed Document Type: Treatability Study Report
Completed Date: 01/02/2009
Comments: Documents the status of the Site 19 Bioremediation Treatment Study.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 04/02/2009
Comments: This document presents the ecological risk assessments for Sites 233 and 284. DTSC and DFG concurs.

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Completed Area Name:	5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Risk Assessment Report
Completed Date:	04/02/2009
Comments:	The ecological risk assessment for Site 233, AOC 284, and AOC 287 have been reviewed and accepted by DTSC and DFG. No formal concurrence letter needed or sent.
Completed Area Name:	4/9 - South AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/02/2009
Comments:	Document provides the results of the 2007-2008 annual groundwater monitoring perfomred at the AFRL (OUs 4/9. All of DTSC comments on the draft document were addressed; no concurrence letter on the final needed or sent.
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Site 285
Completed Document Type:	Monitoring Report
Completed Date:	01/21/2009
Comments:	This document presents the results of the 2007-2009 annual groundwater monitoring and groundwater extraction system performance for site 285 at Operable Units 5 and 10. DTSC has reviewed and concurs with the final document; no concurrence letter needed or sent. Not reported
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	02/09/2009
Comments:	Report provides the results of the annual groundwater monitoring for Operable Units 5 & 10 at EAFB. No final concurrence letter required or sent.
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Not reported
Completed Document Type:	Design/Implementation Workplan
Completed Date:	02/25/2009
Comments:	This document presents a sampling plan for data the Air Force will use for designing the planned remedial systems at OU 1. The AF recognizes that without a signed ROD, the remedies have not yet been selected.
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	09/02/2009
Comments:	Documents the proposed installation of various monitoring wells at Sites 282, 285, and AOC 287 at OUs 5/10 at EAFB
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Site 58
Completed Document Type:	Monitoring Report
Completed Date:	09/16/2009
Comments:	Not reported

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Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 16
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/06/2010
Comments: This workplan is for the study of in-situ bioremediation groundwater treatment at Site 16.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 08/24/2009
Comments: This report presents the results of the December 2007 through November 2008 monitoring of the Site 25 Groundwater and Extraction Treatment System. This includes the monitoring of the VOC groundwater plume.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18
Completed Document Type: Monitoring Report
Completed Date: 06/09/2009
Comments: Documents the results of the annual monitoring of the Site 18 Dual Phase Extraction System. DTSC concurs, no concurrence letter required. Not reported

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 172
Completed Document Type: Monitoring Report
Completed Date: 06/17/2009
Comments: This report presents the results of the 2008 soil vapor monitoring at Site 172

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 19
Completed Document Type: Well Completion Report
Completed Date: 06/10/2009
Comments: Report was issued as final. DTSC provided input via comment letter.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 29
Completed Document Type: Monitoring Report
Completed Date: 09/10/2009
Comments: Not reported

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Treatability Study Workplan
Completed Date: 12/07/2009
Comments: This document comprises the workplan to conduct a chem-ox treatability study at Site 25. Chemical oxidents will be leached into the subsurface via infiltration galleries in an attempt to assess the viability of using this method to reduce the amount of VOCs in groundwater. DTSC reviewed and concurred with the responses to DTSC comments on the draft document. There was no draft final issued; DTSC concurs with the final document.

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported

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Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/08/2009
Comments: This Remedial Action Work Plan (RAWP) focuses on implementation of the remedial actions selected in the Soil and Debris Sites ROD. This RAWP outlines soil excavation, confirmation soil sampling, and/or groundwater well installation at Sites 13, 36, 167, 312, and 318. This RAWP also includes standard operating procedures in a Sampling and Analysis Plan and a Quality Assurance Project Plan (QAPP).

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 05/18/2010
Comments: This workplan outlines the installation of additional wells for the remedial action to clean up groundwater at Operable Unit 6.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/02/2009
Comments: Not reported

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 11/03/2009
Comments: Report presents the results of the second phase of the In-Situ Chem Oxidation Treatability Study and the 2008 groundwater monitoring program. Chem ox treatment is reducing VOC concentrations in groundwater. More applications are forthcoming.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 08/30/2010
Comments: Workplan for obtaining background levels for arsenic and nitrate

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/25/2009
Comments: This is the comprehensive 2007 annual groundwater monitoring report for 2007. DTSC has concurred; no concurrence letter required.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/20/2010
Comments: Not reported

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Feasibility Study Report
Completed Date: 01/07/2010
Comments: This documents the results of the data gaps investigation (additional monitoring wells and groundwater and soil gas (via previously installed permanent vapor wells)sampling to support the FS. Also

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included was an update to the VOC degradation study and a greater level of details on cleanup alternative cost estimates than was provided in the FS. At DTSC concurrence, no draft final was prepared and instead the Air Force worked with DTSC to address all of DTSC comments on the draft document.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/12/2009
Comments: This report documents the installation and initial monitoring of wells for the South AFRL remedial action. DTSC has identified one potential issue (that of adequate downgradient control for Site 120) which will be addressed by the Air Force.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 11/12/2010
Comments: Document presents the plan to perform the remedy (groundwater cleanup) at Site 86.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 231
Completed Document Type: Engineering Evaluation / Cost Analysis - Time Critical
Completed Date: 05/10/2010
Comments: This EE/CA presents the case for conducting a Non-Time (subsequently changed to a "Time") Critical Removal Action for lead-contaminated soil at Site 231 in OU 5/10. It will be performed via a "scoop and haul" method with an Air Force goal of achieving a "no further action" designation for this site.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 242
Completed Document Type: Engineering Evaluation / Cost Analysis - Time Critical
Completed Date: 05/11/2010
Comments: This EE/CA presents the case for conducting a Non-Time Critical Removal Action for PCB-contaminated soil at Site 242 in OU 5/10. It will be performed via a "scoop and haul" method with an Air Force goal of achieving a "no further action" designation for this site.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 231
Completed Document Type: Other Report
Completed Date: 09/20/2011
Comments: This Action Memorandum provides the administratively required justification for completing the lead-impacted soil removal action at Site 231

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 04/28/2010
Comments: This workplan provides for the installation of monitoring wells at the referenced sites to fill data gaps for the Air Force to proceed to the Feasibility Study.

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Completed Area Name: 4/9 AFRL Misc. Documents
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 03/01/2010
Comments: Report provides the results from the 2008 installation of monitoring wells forthe AFRL Arroyos and Northeast AFRL plumes. Additional wells are needed and a workplan to install these additional wells is under DTSC review.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 02/18/2010
Comments: Provides the Purpose, data quality objectives, and schedule for the next phase (referred to as the "Eco" phase)of wells to be installed at the South AFRL to monitor the plume extents and meet the ROD requirements.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 05/10/2010
Comments: This workplan is for the installation of monitoring wells to address selected data gaps for the groundwater plumes in OU 1. In April 2010 DTSC participated in a technical workgroup meeting to resolve comments and select final well locations.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 12/02/2009
Comments: This report summarizes the annual (04/08-04/09) operations and monitoring for Site 285 at OUs 5/10. DTSC did not review.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/22/2009
Comments: Report provides the results of the 2008 annual groundwater monitoring for the Arroyos, Northeast AFRL, and South AFRL at OUs 4/9

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/02/2010
Comments: Develops background groundwater concentrations for Nitrate, selected anions, and TDS.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/06/2010
Comments: Workplan to initiate in-situ chemical oxidation of VOCs in groundwater at Sites 5 and 14 in Operable Unit 2.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported

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Completed Document Type: Monitoring Report
Completed Date: 01/19/2010
Comments: Provides the results of the August 2008-April 2009 Groundwater Monitoring Program for combined Operable Units 5 and 10.

Completed Area Name: Multiple OUs - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 05/18/2010
Comments: Workplan to install monitoring wells to address groundwater data gaps at the Northeast AFRL and a few of the Mars. Blvd. sites. Does not address all identified data gaps; there will be a future separate workplan for those data gaps.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 01/26/2011
Comments: Workplan to assess the VIP at Sites 16 and 18.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 333A
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 10/01/2010
Comments: Presents the results of the treatability study for groundwater at site 333. Injection of substrate resulted in degradation of primary contaminants to secondary contaminants (1,2-DCE) where degradation stalled even after bioaugmentation was applied. AF has agreed to continue monitoring to see if contaminant degradation continues.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Monitoring Report
Completed Date: 07/26/2010
Comments: Provides the results of the Nov '08 through Oct '09 SVE operations.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 29
Completed Document Type: Other Report
Completed Date: 10/25/2010
Comments: This document presents the results of the surface debris removal and subsurface investigation to delineate the extent of and identify the general contents of the buried debris at Site 29. It was meant to feed into the remedial design. However, the results show that only limited innocuous (generally concrete, bottls, cans, etc.) are present. As a result, the Air Force turned this document into an FS addendum and added an evaluation of removing the buried debris.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18
Completed Document Type: Monitoring Report
Completed Date: 08/12/2010
Comments: Annual monitoring report for the OU 1, Site 18 Dual-phase extraction system for the remediation of VOCs in soil and groundwater.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3

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Completed Document Type: Record of Decision
Completed Date: 09/21/2012
Comments: After significant delay due to unacceptable changes made by the Air Force (AFCEE) in the draft final revision 1 and revision 2, and subsequent negotiation and modifications, the Federal Facility Agreement signatories agreed to finalize and sign the ROD in September 2012. This is a former municipal landfill that contains some (estimated to be small) amount of hazardous wastes that have resulted in a small VOC groundwater plume undergoing natural biodegradation. The remedy is to consolidate some of the more distant waste cells into a cell in the main portion of the landfill, apply land use controls restricting building on and in the vicinity of the landfill, conduct further studies of the bedrock aquifer, and monitor the continued degradation of the VOCs in groundwater.

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/15/2010
Comments: This report is the equivalent of a Remedial Investigation for military munitions for areas where the Air Force has identified as "closed" and no longer will be used for range operations. DTSC has reviewed and generally concurred with the results. In an August 2009 meeting, DTSC identified the need for further action in four areas.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Quality Assurance Workplan
Completed Date: 12/03/2010
Comments: Presents the workplan to install an SVE system at OU 1 Site 58.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 14
Completed Document Type: Monitoring Report
Completed Date: 08/30/2010
Comments: DTSC reviewed the draft annual groundwater monitoring report, and no comments and concurred with finalization.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/21/2010
Comments: This workplan describes the plan for collecting and analyzing soil samples in source areas at OU 1. The data will be used in developing potential remedial designs which will be finalized in the Record of Decision

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 282
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 09/22/2010
Comments: Reports the status of the treatability study for groundwater at Site 282. DTSC disagrees with the conclusion that the process in not viable for treating groundwater at Site 282 and has conveyed this in a letter on the final document.

Completed Area Name: Multiple OUs - MULTIPLE SITES

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Completed Sub Area Name: Not reported
Completed Document Type: Treatability Study Report
Completed Date: 10/01/2010
Comments: Presents the results of the Treatability Study for GW contamination at Sites 162, 177, and 325. Study shows that these processess are technically feasible for contaminant clean up and they will be evaluated in the FS as part of remedy option evaluations.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 11/10/2010
Comments: Provides the remedial design for the remedy for Site 442.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 08/09/2010
Comments: Workplan to install wells to address data gaps and provide data to support proposed remedy in the draft Arroyos ROD.

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name: Not reported
Completed Document Type: Engineering Evaluation / Cost Analysis - Time Critical
Completed Date: 08/19/2010
Comments: Finalized on 8/19/2010. Some sites will move to either an FS or will undergo removal actions via and Engineering Evaluation/Cost Analysis.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2010
Comments: This is the annual GW monitoring report for the period listed in the title. DTSC has concurred w/the final.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/19/2010
Comments: Work plan on strategy to determine basewide determination of nitrate, seltected anions, and TDS. No new field work proposed; will comprise the analyses of existing data. DTSC did not review; deferred review to the other regulatory agencies.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/05/2011
Comments: Documents the work to conduct an assessment of the presence of lead shot and skeet fragments at Sites 81 and 102

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/05/2011
Comments: Presents the plan for conducting grid sieving of shallow soil to assess presence of skeet fragments and lead shot in soil at the two

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sites.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 29
Completed Document Type: Removal Action Completion Report
Completed Date: 07/27/2010
Comments: This report documents the removal of 94,000 cubic yards of waste debris at Site 29 in Operable Unit 2. Wastes were segregated and either transported to recycling facilities or waste disposal facilities depending upon classification. Action will result in "clean closure" of this site.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 12/01/2010
Comments: Provides the 4/09-4/10 final report for the Site 285 Groundwater Extraction system

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 231
Completed Document Type: Site Characterization Workplan
Completed Date: 09/13/2010
Comments: Workplan to install collect shallow soil gas samples, soil samples, groundwater samples, and install wells for risk screening purposes and source characterization.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2011
Comments: Annual monitoring report for OU 8 sites

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/04/2011
Comments: Not reported

Completed Area Name: 4/9 AFRL Misc. Documents
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/14/2011
Comments: Presents the 2009 annual groundwater monitoring results at various AFRL sites.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/07/2012
Comments: Provides the results of the vapor intrusion sampling and assessment of the South AFRL. There is potential indication of low risk to selected buildings. Because of the transitory nature of soil vapor in the subsurface, the Air Force will conduct an additional monitoring round for the next South AFRL Five Year Review. There is an approximate 5x10-6 risk to occupants of Building 8595. To mitigate, the Air Force has agreed to continue to operate the SVE system to

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"break" the vapor pathway to the building.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 02/18/2011
Comments: Presents the strategy for sampling wells to identify nitrate sources at Edwards AFB

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/10/2012
Comments: Action Memo justifying the reason for the non-time critical action for MMRP clearance at surface for 5 parcels.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 01/10/2012
Comments: Site 25 GETS Annual Groundwater Monitoring Report for 2010. Annual monitoring report for the Site 25 Groundwater Extraction Treatment System. DTSC has reiterated a request for the Air Force to restart the GETS system.

Completed Area Name: 4/9 - Northeast AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/24/2012
Comments: Workplan to collect data and assess the vapor intrusion pathway at occupied buildings in the Northeast AFRL and Mars Blvd sites in OUs 4/9

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/19/2011
Comments: Workplan to fill data gaps at Site 61, 299, and 301. FS will be updated pending receipt of the data acquired from this work.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/13/2012
Comments: Provides the workplan for collecting data and assessing the vapor intrusion pathway for occupied buildings at the Arroyos

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 16
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/24/2012
Comments: Site 16 In Situ Bioremediation Study Status Report

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 14
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/13/2011

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Comments:	Annual report documenting the status of the Site 14 groundwater extraction system. System is operating as planned; however sidegradient and downgradient extent of TCE plume is still undefined. AF is conducting a monitoring well installation program to define the extent of the plume.
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Site 29
Completed Document Type:	Record of Decision - Amendment
Completed Date:	10/16/2012
Comments:	Record of Decision Amendment to change the remedy to a "Clean Closure" from the prior remedy of capping and land use covenants.
Completed Area Name:	4A - AFRL Area
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	10/28/2011
Comments:	Workplan to perform Tracer Test to assess bedrock aquifer fracture zone for modeling and groundwater monitoring.
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	12/29/2011
Comments:	Characterization of the Vapor Intrusion Pathway at two selected buildings at Sites 16 and 18. Data indicate low risk to building occupants.
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/09/2011
Comments:	OU 5/10 AGMR
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Site 285
Completed Document Type:	Monitoring Report
Completed Date:	01/30/2012
Comments:	Annual Monitoring Report for the Site 285 Groundwater Extraction System
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Site 18
Completed Document Type:	Monitoring Report
Completed Date:	12/23/2011
Comments:	2010 Annual report on the Site 18 Groundwater and vapor extraction system
Completed Area Name:	8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name:	Site 25
Completed Document Type:	Pilot/Treatability Study Report
Completed Date:	12/23/2011
Comments:	Final report for the ISCO treatability study at Site 25. Results are mixed; some trouble getting delivery of the chemical to the contaminated groundwater. Final decision is to continue to monitor to see if ISCO eventually makes it to the contaminated zone.

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Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Quality Assurance Workplan
Completed Date:	05/17/2012
Comments:	This is the revised Basewide QAPP which includes updated standard operating procedures for field and analytical work at Edwards AFB.
Completed Area Name:	4A - AFRL Area
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	01/30/2012
Comments:	AGMR for 2010 Groundwater Monitoring at the Arroyos, NE AFRL, and South AFRL.
Completed Area Name:	4/9 Mars Blvd Sites
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/03/2012
Comments:	OU 4 & 9 Mars Blvd Sites 2009 & 2010 Annual GWM Reports and 2011 Sampling Plan. Originally, one document, subsequently broken into 3 documents when finalized.
Completed Area Name:	4/9 - South AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Completion Report
Completed Date:	03/22/2012
Comments:	Provides the well installation information and initial sampling data for monitoring wells installed in 2010-2011 as part of the remedial design. Data will be used for the upcoming five-year review report.
Completed Area Name:	Operable Unit 4/9
Completed Sub Area Name:	Not reported
Completed Document Type:	Well Completion Report
Completed Date:	04/04/2012
Comments:	Presents the results of the installation of new monitoring wells at the AFRL Arroyos, Northeast AFRL, and Mars Blvd. Results in a revision to the Conceptual Site Model. The most significant change is at the Arroyos by moving the alluvium/bedrock aquifer transition several hundred feet closer to Leuhman Ridge.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	01/09/2012
Comments:	This document provides the over-arching basewide conceptual site model for environmental contamination (including geology and hydrology) at the base and the relationship of on-base environmental issues to potential off-base occupants and water users.
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Site 285
Completed Document Type:	Operation and Maintenance Plan
Completed Date:	06/01/2012
Comments:	Updated sampling plan for the OU 5/10 Groundwater Extraction Treatment System.
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base

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Completed Sub Area Name: Site 285
Completed Document Type: Operation and Maintenance Manual
Completed Date: 06/01/2012
Comments: Updated O&M manual for the Site 285 Groundwater Extraction and Treatment System.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/01/2003
Comments: OU 6 HHRA Report

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/19/2012
Comments: First Five Year Review for the South AFRL ROD. Air Force agrees to accelerate the groundwater monitoring program due to new predictions of plumes moving faster than thought during the ROD plus the need for further assessment of the Vapor Intrusion Pathway at Sites 37 and 133. Not reported

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 03/01/2006
Comments: Ecological risk assessment for Sites 25, 61, 257, and 301 at OU 8

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 04/24/2008
Comments: Presents the results of the Site 299 and 301 RI investigation addendum.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/28/2013
Comments: OU 1 2011 Groundwater Modeling Report: Although EAFB finalized this document, there remains significant disagreements in the conceptual site model and associated assumptions/inputs used for this model. EAFB felt that these issues would not be resolved and chose to close out their contract and issue a final document. Rather than outright reject or consider the document incomplete, DTSC will factor outstanding issues into future decision-making for OU 1.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 11/01/2008
Comments: HHRA Addendum for OU 2 Sites

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 06/01/2003

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Comments:	OU 2 HHRA
Completed Area Name:	4/9 - South AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	03/07/2012
Comments:	Presents the status of the long-term monitoring of the South AFRL Remedy. Activities included LUC and groundwater monitoring, and SVE which was turned off in 2010. The shut-down of the SVE is compliant with the remedy which allows the Air Force to adjust systems as needed to optimize the remedy.
Completed Area Name:	4A - AFRL Area
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	06/21/2012
Comments:	2012 groundwater monitoring plan for the OU 4/9 Northeast and South AFRL areas.
Completed Area Name:	6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	04/02/2012
Comments:	Not reported
Completed Area Name:	8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name:	Site 25
Completed Document Type:	Site Characterization Report
Completed Date:	08/20/2012
Comments:	Workplan to conduct the vapor intrusion pathway assessment for the two occupied buildings down slope from Site 25, and overlying the Site 25 groundwater plume.
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Site 58
Completed Document Type:	Monitoring Report
Completed Date:	08/09/2012
Comments:	Annual monitoring report for the OU 1 Site 58 SVE system
Completed Area Name:	4A - AFRL Arroyos
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	06/12/2012
Comments:	Sampling plan (schedule) for June 2012 groundwater monitoring at the AFRL Arroyos.
Completed Area Name:	4/9 - Northeast AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	09/27/2012
Comments:	DTSC and Air Force remain in disagreement with certain elements of the Conceptual Site Model and resulting interpretation of the aquifer test. This needs to be considered when the Air Force conducts modeling and designs remedial systems for the Northeast AFRL
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Site 58

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Completed Document Type: Removal Action Workplan
Completed Date: 06/25/2012
Comments: Addendum to the workplan for Site 58 operations

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/25/2012
Comments: 2011 AGMR and 2012 Sampling Plan for OU 8 Groundwater Program

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/26/2012
Comments: Presents the status of the ISCO injection portion of the remedy to remediate the Site 5/14 Groundwater Contaminant Plume

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 10/05/2012
Comments: Report that presents the results of the wells installed from 9/10-8/11 Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18
Completed Document Type: Monitoring Report
Completed Date: 10/01/2012
Comments: Annual monitoring report for the Site 18 Dual Extraction System. No significant issues.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/13/2012
Comments: Test to assess aquifer parameters in bedrock in the area where the Northeast AFRL plume is projected to migrate from bedrock to the alluvial aquifer.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 172
Completed Document Type: Monitoring Report
Completed Date: 08/31/2010
Comments: Site 172 Soil Vapor Extraction System Annual Operations Report for 2009

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/15/2009
Comments: Final Report

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 06/21/2007
Comments: Final HHRA Addendum for OU8

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Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 12/20/2010
Comments: This is the 2009 Annual Groundwater Monitoring Report for Site 25.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/16/2012
Comments: In response to regulatory concerns, the Air Force has developed this Workplan to assess the vertical extent of skeet fragments and lead shot in gridded areas where vertical extent is undefined.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 04/08/2013
Comments: This document presents the updated sampling plan for Sites 5/14, 76, and 86. Also included are changes to the standard operating procedures for sampling and analyses.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 03/12/2013
Comments: DTSC Comments on Draft Final OU6 VISP & RA WP submitted to Air Force

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18
Completed Document Type: Operation and Maintenance Plan
Completed Date: 01/28/2013
Comments: Workplan for the 2012-2013 operation of the DES system and the monitoring of groundwater contamination at Site 18.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 10/18/2012
Comments: Plan to conduct an enhanced in-situ biogeochemical transormation of VOCs pilot study at Site 19

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 08/05/2013
Comments: OU 4/9 Soils and Debris Sites Five Year Review Report

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan Amendment
Completed Date: 04/10/2013
Comments: OU6 Remedial Action Workplan has been finalized.

Completed Area Name: 4/9 Mars Blvd Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

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Completed Date:	11/19/2013
Comments:	2011 Annual GWM Report OU 4/9 Mars Blvd Sites 6, 27, 39, 113, 115, 116, 118, 125, 127, 178, 321, 333, and 338
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Quality Assurance Workplan
Completed Date:	02/29/2008
Comments:	Updated Basewide Quality Assurance Project Plan includes the Basewide FSP and SAP
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Feasibility Study Report
Completed Date:	07/31/2007
Comments:	Data gaps sampling report to obtain additional data for selected sites to finalize the FS
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Site 5
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/17/2013
Comments:	OU 2 Site 5 Remedial Investigation Workplan to investigate the source of the carbon tetrachloride detected in groundwater downgradient from Site 5. Plan is to conduct a soil vapor survey and groundwater sampling of existing wells to locate the CT source.
Completed Area Name:	4/9 Mars Blvd Sites
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	04/18/2013
Comments:	2012 Annual Groundwater Monitoring Sampling QAPP Plan. Provides the plan for sampling groundwater in 2012 at the Mars Boulevard Sites.
Completed Area Name:	7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name:	Site 339
Completed Document Type:	Feasibility Study Report
Completed Date:	06/20/2013
Comments:	Report finalized by AF, but DTSC has documented concerns to be addressed prior to ROD
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Site 14
Completed Document Type:	Design/Implementation Workplan
Completed Date:	12/26/2012
Comments:	This is a "letter" workplan addendum for relatively minor remediation system and monitoring modifications.
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	03/06/2013
Comments:	Final 2012 GWMSP Submitted. No further comments.
Completed Area Name:	5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan

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Completed Date: 10/16/2012
Comments: This document provides the groundwater sampling plan for 2012 at OU 5/10

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 312
Completed Document Type: Record of Decision w/ESD
Completed Date: 07/16/2013
Comments: This Explanation of Significant Difference from the (Soils and Debris Sites) ROD is to document the remedy change for Site 312, an active transformer station on Leuhman Ridge. Because of impacts to the EAFB "Mission", the transformer could be shut down for only a specific period of time for the soil excavation remedy. Air Force attempted "clean closure" but was unable to remove PCB contaminated soil from a small area below the concrete pad and a small area below the adjoining asphalt area. Concentrations of PCBs in soil remaining at the site are above residential cleanup levels necessitating a land use covenant restricting residential use and warning workers of the presence of potentially impacted covered soil.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/01/2004
Comments: This is an update to the 1996 RI report. It incorporates new data acquired since the prior RI report was published.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2013
Comments: Not reported

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Well Installation Workplan
Completed Date: 03/29/2013
Comments: Not reported

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 08/02/2013
Comments: RI/FS Addendum: Site Characterization and Plume Delineation Data Summary Report. Presents the results of data gaps by conducting soil vapor sampling and installing/sampling additional monitoring wells.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 09/26/2013
Comments: Remedial Investigation Summary Report Addendum for Sites 61, 299, and 301. DTSC has reviewed and accepts the final document which details the data gaps investigation work at the three OU 8 groundwater plume sites.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base

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Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 04/05/2013
Comments: Site 285 Groundwater Extraction and Treatment System O&M Report for September 2011-September 2012. Presents the O&M activities (including extraction well sampling) for the GETS to remediate perchlorate in groundwater at Site 285.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 08/22/2013
Comments: AFRL Arroyos, Northeast AFRL, and Mars Blvd Well Installation Report for 2011-2012

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/31/2014
Comments: Soil Gas Sampling Workplan, OU 7, Chemical Warfare Material Site 442, Areas 1, 2, and 3. Sampling is needed pursuant to the ROD to ensure protectiveness of possible chemical release from these CWM landfills.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/14/2013
Comments: Geophysical Surveys to Delineate the Spring Fault and GW Transition from Bedrock to Alluvial Aquifer, Arroyos and NE AFRL Areas

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/01/2012
Comments: Revised/updated RAB Charter and Bylaws approved by the RAB in 2012. Primary changes made to meetings (reduced from four to two per year) and incorporation of social media (Facebook) for communications.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 02/13/2013
Comments: Meeting to Develop Workplan for Arroyos Data Gaps. This meeting was held on 2/13/13; DTSC (and other regulatory agencies) provided input and added ideas on the Air Force's plans to address Arroyos and Northeast AFRL data gaps.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 29
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 07/25/2013
Comments: Site 29 Remedial Action Work Plan. Presents the workplan to remove the contaminated soil and debris at Site 29.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report

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Completed Date: 08/06/2013
Comments: Site 25 GETS Biennial Groundwater Monitoring Report-January 2011 to December 2012. Air Force did not issue a draft final. DTSC identified problems with the final and on 8/6/13 issued a draft comment letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/16/2013
Comments: Workplan for Vapor Intrusion Assessment at (high priority buildings at) OU's 1, 4/9, 5/10, and 8

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Engineering Evaluation / Cost Analysis - Time Critical
Completed Date: 10/16/2014
Comments: Sites 81 and 102 EE/CA for Removal of Lead Shot and Skeet Fragments. Selected "removal action" will actually be a cap consisting of crushed concrete and areas with soil/vegetation to allow for limited habitat restoration.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Operation and Maintenance Plan
Completed Date: 09/13/2013
Comments: OU 7 Chemical Warfare Material Site 442 O&M Plan for Cap

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 11/11/2013
Comments: South AFRL 2013 Ground Water Sampling Workplan. DTSC disagrees with the number of wells to be sampled; however the Air Force is planning a more comprehensive sampling event in 2014 essentially deferring DTSC concerns.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/24/2013
Comments: Arroyos 2012 Groundwater Monitoring Report

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2013
Comments: OU 5/10 Annual Groundwater Monitoring Report for April-December 2012. Air Force did not address all of DTSC comments on the draft document. Issues will need to be tracked for future relevant documents.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/27/2013
Comments: Site 442 Remedial Action Completion Report-Remedial Design and Construction. Air Force did not give DTSC adequate time to review the changes in the draft final and the response to comments on the draft

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report; however a review of the final shows that DTSC concerns on the draft report were addressed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/21/2014
Comments: Community Involvement Plan 2014 update to the Community Relations Plan
Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Monitoring Plan
Completed Date: 09/03/2013
Comments: Site 58 Soil Vapor Extraction QAPP Letter Addendum No. 3

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/30/2013
Comments: Replacement pages recieved from AF

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/30/2013
Comments: Final Replacement Pages submitted by AF

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/23/2013
Comments: Basewide Subsurface Nitrate Characterization QAPP (Workplan), OUs 1, 4/9, 7, and 8

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/18/2014
Comments: OU 8 - 2012 Annual Groundwater Monitoring Report for Sites 61, 257, 299, and 301. DTSC reviewed the final and determined that all comments were adequately addressed.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Remedial Investigation Report
Completed Date: 04/03/2014
Comments: OU 8 Site 25 Remedial Investigation Report Addendum. Presents the results of additional geophysics and well installation to characterize the site.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/22/2013
Comments: OU 4 & 9 2012 Annual Groundwater Monitoring Report for Northeast and South AFRL

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 06/29/2014
Comments: Report of 2012 and 2013 Sampling to Evaluate Vapor Intrusion Pathway at the AFRL Arroyos. Outstanding issues were identified in DTSC's 6/30/14 Contingent Concurrence letter. DTSC will work with the Air Force to address outstanding issues. The Arroyos ROD will be the venue for addressing the issues

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Plan
Completed Date: 12/26/2013
Comments: OU 5/10 Site 285 GETS QAPP Adddendum. Update to the Site 285 groundwater treatment plant sampling/monitoring program.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/05/2014
Comments: Basewide Groundwater Monitoring SAP, Vol 1-Long Term Monitoring Optimization Work Plan.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 03/06/2014
Comments: Electronic copy recieved 28 March 2014

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 10/31/2013
Comments: DTSC Provided email stating no further comments

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/31/2013
Comments: Soils and Debris Sites 2013 Land Use Control Inspection Report

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 09/16/2013
Comments: Sites 61, 299, and 301 Well Installation Letter Workplan Addednum to the RI Workplan Addendum. Workplan to install additional wells at the three sites to address identified data gaps.

Completed Area Name: 9 - Air Force Research Lab - East
Completed Sub Area Name: Site 125
Completed Document Type: Site Characterization Report
Completed Date: 08/22/2013
Comments: Site 125 Results of 2013 Well Installation Letter Report. This "addendum" to the OU 4/9 2011-2012 Well Installation Report (WIR) was finalized as an appendix to the WIR.

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/23/2014
Comments: Well Installation Workplan-OU 4 Arroyos & South AFRL. Air Force and regulators collaboratively selected well locations. Note however, DTSC has informed the Air Force that these wells may not be sufficient for providing adequate South AFRL and Aroryos plume control
Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Monitoring Report
Completed Date: 01/23/2014
Comments: Site 58 Annual Monitoring Report for the Soil Vapor Extraction System Nov '11 through Oct '12.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: 5 Year Review Reports
Completed Date: 12/20/2014
Comments: Chemical Warfare Material First Five-Year Review Report. DTSC concurred with (via signing the signature page of) the final Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Enforceable Schedule
Completed Date: 10/10/2013
Comments: 2013 Update to the FFA Schedule

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 312
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/23/2014
Comments: Site 312 Addendum to the Soil and Debris Sites Remedial Action Completion Report. This report documents the remedy for the Site 312 ESD which changed the remedy from "clean closure" to Land Use Controls to protect potential receptors from a small amount of PCB-contaminated soil below the asphalt near the Site 312 transformer.
Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18
Completed Document Type: Monitoring Report
Completed Date: 02/21/2014
Comments: OU 1 Site 18 Annual Monitoring Report November 2011 through October 2012

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 14
Completed Document Type: Operation and Maintenance Manual
Completed Date: 04/14/2014
Comments: OU2, Site 14 GETS O&M Manual

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Operation and Maintenance Manual

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Date: 04/14/2014
Comments: OU2, Site 86 O&M Manual

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 02/17/2014
Comments: OU 4 Arroyos Phase 2 Geophysical Survey Work Plan to Delineate Bedrock Topography and Transition to Alluvial Aquifer. DTSC believes that a reflection survey rather than the proposed refraction survey would be better at identifying the transition zone. AF cited budgetary reasons, but also attempted to make a technical case that the goals will be attained using the porposed refraction survey.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/24/2014
Comments: Final OU2 Sites 5/14 Annual RASR received on 24 June 2014

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/23/2012
Comments: Letter Addendum to the Site 25 RI/FS Work Plan Addendum. Workplan to install 7 additional monitoring wells.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/16/2014
Comments: Site 442 Annual Remedial Action Status Report March 2013 to October 2013

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Remedial Investigation Report
Completed Date: 08/01/2014
Comments: Site 25 VIP Investigation Summary Report, Buildings 4824 and 4870. Air Force finalized this document on 8/1/14 without resolving selected critical issues. DTSC will carry these issues forward into the FS

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Removal Action Workplan Amendment
Completed Date: 06/23/2014
Comments: Site 58 Letter Addendum No. 4 to the QAPP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/28/2016
Comments: Vapor Intrusion Assessment for 11 Selected Buildings at OUs 1, 5/10, and 8, Round 1 Sampling.

Completed Area Name: 4/9 Mars Blvd Sites

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/02/2014
Comments: 2012 Annual Groundwater Monitoring Report for "Mars Blvd" Sites 6, 27, 39, 113, 115, 116, 118, 125, 127, 178, 321, 333, AND 338

Completed Area Name: 9 - Air Force Research Lab - East
Completed Sub Area Name: Site 125
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/02/2014
Comments: 2014 Letter Addendum to the 2010 Well Installation Work Plan For Sites in the Northeast AFRL and Mars Blvd. This addendum, although officially part of the 2010 Well Installation Workplan, is tied directly to the 2013 Letter Addendum to the 2010 Well Installation Workplan. This 2013 addendum was inserted as Appendix F.1 to the 2010 Workplan. The conclusion of the 2014 Letter Addendum is there was no need to install well 125-MW27, contrary to the original purpose of this addendum which was to install 125-MW27. However groundwater sampling conducted subsequent to the draft of this Workplan Addendum showed that 125-MW27 is not needed (at this time).

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 08/27/2014
Comments: Geophysical Survey WP to Assess Site 3 Potential Preferential Pathways Affecting GW Flow and Contaminant Transport

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Remedial Investigation Report
Completed Date: 11/03/2014
Comments: OU2, Site 5, Remedial Investigation Report will be complted by June 30.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/12/2014
Comments: Report title changed to Remedial Action Construction Progress Report

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Remedial Action Completion Report
Completed Date: 08/11/2014
Comments: Report Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 01/20/2015
Comments: Basewide 2014 Groundwater Monitoring Plan-OU1/8, OU4/9, OU5/10 and Site 25

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Date:	10/16/2014
Comments:	Site 285 GETS Annual Operation and Maintenance (10/12-9/13) Report
Completed Area Name:	1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name:	Site 18
Completed Document Type:	Monitoring Report
Completed Date:	08/14/2014
Comments:	OU 1 Site 18 Annual O&M Report November 2012 through October 2013
Completed Area Name:	2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Implementation Workplan
Completed Date:	09/08/2014
Comments:	Final OU2, Sites 5/14, 76 and 86 RAWP Addendum, Update 1
Completed Area Name:	6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	05/27/2016
Comments:	See previous note regarding replacement of this document with Vapor Intrusion Investigation Report Addendum dated May 2016.
Completed Area Name:	4A - AFRL Area
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	08/12/2014
Comments:	Report of 2012 and 2013 Sampling to Evaluate VIP at the Northeast AFRL and Mars Blvd Sites. On 8/12/14 DTSC provided a draft letter to the Air Force outlining outstanding issues for this report; issues that will be carried through to the FS.
Completed Area Name:	7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name:	Site 538
Completed Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date:	02/17/2015
Comments:	OU 3 Site 538 Preliminary Assessment/Site Inspection Report (PA/SI). DTSC has determined that further evaluation on the source of TCE in monitoring well 13-MW33 (Site 538) is warranted. Air Force agrees and this will be part of the South AFRL Remedial Action Workplan Version 2 scheduled for late 2015.
Completed Area Name:	4A - AFRL Arroyos
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	07/01/2014
Comments:	OU 4/9 Arroyos Phase 2 Geophysical Survey Report
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	10/04/2014
Comments:	Non-Time Critical Removal Action MMRP Surface Clearance, Munitions Sites AL504, AL505-2, and AL505-4. This document was issued only as a final report; it comprises a summary of activities and field documentation of the surface clearance actions for the above listed munitions sites.

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 08/12/2014
Comments: AFRL Soil and Debris Sites Annual LUC Inspection and Maintenance Report Addendum May-December 2013. DTSC has reviewed and concurs with the document. No letter is required for this document issued as final.
Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/17/2015
Comments: OU 1 GWM and Sampling Report for 2012

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Soil Vapor Extraction Monitoring Report
Completed Date: 09/05/2012
Comments: OU 4&9 Site 37 Building 8595 SVE System Reactivation and Sampling Memorandum

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/14/2015
Comments: Remedial Investigation Workplan for Munitions Response Sites AL501A, AL504, AL505-2, and AL505-4. This document is the plan for conducting subsurface reconnaissance of areas of potential buried munitions.

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 08/14/2015
Comments: MMRP Site Insepction QAPP: Supplemental Comprehensive Site Evaluation Phase II for Munitions Response Sites AL505-3 and AL505-5

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/01/2015
Comments: South AFRL 2013 Annual Groundwater Monitoring Report

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/15/2015
Comments: OU 8 Sites 61, 299, and 301 Annual Groundwater Monitoring Report for 2013

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/06/2014
Comments: MMRP After Action Report Non-time Critical Removal Action-surface Clearance MRS's AL 504, AL 505-2, and AL 505-4. This document is a compilation of field and laboratory forms documenting the surface

EDWARDS AIR FORCE BASE (Continued) **1000155217**

clearance removal performed in 2014.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/05/2015
Comments: Final Version of OU2 Site 86 ARASR

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Workplan
Completed Date: 07/20/2015
Comments: OU 5/10 Feasibility Study Workplan. This Workplan documents addition work to be completed to address data gaps at selected OU 5/10 sites. Not being addressed are additional data gaps identified previously by the regulators in comments on the draft and draft final Feasibility Study. The Air Force intends to address these regulator-identified data gaps in a future workplan.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Monitoring Report
Completed Date: 03/31/2015
Comments: Site 58 Annual Monitoring Report for the Soil Vapor Extraction System Nov '12 through Oct '13

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76
Completed Document Type: Monitoring Report
Completed Date: 03/04/2015
Comments: Final Site 76 RASR Submitted by AF

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/16/2016
Comments: Site 3 Remedial Action Workplan Volumes I and II

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/09/2015
Comments: Sites 81 and 102 Action Memorandum, Non-time Critical Removal Action. DTSC concurs with the proposed action

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 06/17/2015
Comments: Final RAWP Addendum for OU2 Sites 76, 86 and 5/14

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 07/10/2015
Comments: Addendum to Workplan for Vapor Intrusion Assessment at (high priority buildings at) OU's 1, 4/9, 5/10, and 8. DTSC is on record disagreeing

EDWARDS AIR FORCE BASE (Continued) **1000155217**

with the workplan not including subslab vapor sampling.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Monitoring Plan
Completed Date: 09/11/2015
Comments: Site 3 Pre-Design Groundwater and Landfill Gas 2015 Sampling Plan. This "plan" is actually a one-page memorandum describing sampling strategy for the Site 3 Landfill Gas.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2015
Comments: AFRL Arroyos 2013 GWM Report. DTSC reviewed and finds the final report acceptable.

Completed Area Name: 4/9 - Northeast AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/22/2015
Comments: OU 4/9 Northeast AFRL 2013 GWM Report

Completed Area Name: 7 - Operable Unit 7, Basewide Misc. - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 09/01/2015
Comments: Final document issued by AF on 9/1/2015

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2015
Comments: Final document received by DTSC.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Technical Report
Completed Date: 06/01/2015
Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18
Completed Document Type: Monitoring Report
Completed Date: 05/11/2015
Comments: Site 18 DES Annual O&M Report November 2013-October 2014. DTSC has expressed concern about the system being shut down for a lengthy period of time (the AF shut it down in 2013 to conduct nearby soil vapor sampling as part of a vapor intrusion investigation). The AF has responded that they restart the system monthly as part of routine O&M activities.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Site Characterization Workplan
Completed Date: 08/19/2015
Comments: Change pages from DF to Final received from Air Force.

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Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 06/24/2015
Comments: Site 285 GETS Annual Operation and Maintenance (10/13-9/14) Report

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 37
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/03/2015
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2013. Note that DTSC disagrees with conclusions regarding VI screening numbers and the recommendation to no longer sample subslab VI wells

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 12/16/2015
Comments: Long-term Monitoring Optimization Volume II-Operable Units 1/8 GWM Sampling and Analysis Plan. There remain some important issues that will need to be resolved as part of the joint Air force-Regulator working group that will evaluate the 2015 groundwater monitoring data and make recommendations for future monitoring needs.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/08/2015
Comments: Site 442 Annual (Nov 2013 to Oct 2014) Remedial Action Status Report

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/28/2015
Comments: Final Version of Site 86 ARASR - 11/12-9/14 Submitted by AF on May 28, 2015.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/04/2015
Comments: AF submitted Interim Draft Final & RTCs. Comments minor. AF approved to finalize document.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 06/22/2015
Comments: Final document received on 06/22/2015

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Monitoring Report
Completed Date: 06/26/2015
Comments: Annual SVE Report, DTSC expressed a desire for the SVE system (currently shut-down) to remain available for being turned on at a

EDWARDS AIR FORCE BASE (Continued) **1000155217**

future a date if needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 02/28/2016
Comments: OU 1, 4/9, 7, and 8 Subsurface Nitrate Characteization Report. Outstanding issue remain; DTSC is relying on the RWQCB to continue to work these issues with the Air Force

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 08/18/2015
Comments: OU 1/8 Well Installation Workplan

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 07/30/2016
Comments: South AFRL Remedial Action Workplan Version 2.0

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/20/2015
Comments: Not reported

Completed Area Name: 4/9 AFRL Misc. Documents
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 07/02/2015
Comments: South & NE AFRL and Mars Blvd Sites Well Installation Report. DTSC had no comments on the draft report.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Well Completion Report
Completed Date: 01/19/2016
Comments: Site 25 Remedial Investigation Report Addendum No. 2

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/21/2015
Comments: Final document received by DTSC.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Plan
Completed Date: 10/30/2015
Comments: Site 25 Letter Addendum to the Basewide GW Monitoring UFP-QAPP, 2015 Interim GW Monitoring Plan

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Remedial Action Implementation Workplan

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Date: 10/08/2016
Comments: Site 3 Remedial Action Workplan Volume III. This provides the long term monitoring program for the Site 3 Landfill remedy.

Completed Area Name: 4/9 AFRL Misc. Documents
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 07/23/2015
Comments: OU 4/9 Interim Groundwater Monitoring Plan for 2015-Letter Addendum to the Basewide GWM Plan

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2016
Comments: OU 5/10 Annual Groundwater Monitoring Report for 2014

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 37
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/30/2016
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2014. DTSC has reviewed the final report; there remain outstanding disagreements described in the Responses to Comments table in Appendix E. No letter issued on the final, but DTSC will ensure raised issues are factored into the review of the subsequent 2015 monitoring report.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/15/2016
Comments: AFRL Arroyos 2014 GWM Report

Completed Area Name: 4/9 Mars Blvd Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/06/2016
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2014

Completed Area Name: 4/9 Mars Blvd Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/23/2016
Comments: Mars Blvd Sites 2014 GWM Report. DTSC identified a laboratory QA/QC issue where PCE concentrations appeared "depressed" compared to historical results.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 07/19/2016
Comments: Site 25 Biennial Groundwater Monitoring Report 2013-2014

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 13
Completed Document Type: Operation and Maintenance Plan

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Date:	11/09/2015
Comments:	Site 13 Landfill 2015 Post Closure Maintenance and Monitoring Plan. This site is undergoing post-closure monitoring under the Kern County Health Department; DTSC will review the status as part of the South AFRL Five Year Reviews.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	03/11/2014
Comments:	US Fish and Wildlife 03/11/14 Biological Opinion
Completed Area Name:	4/9 - South AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/30/2016
Comments:	South AFRL 2014 Annual Groundwater Monitoring Report
Completed Area Name:	2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	06/06/2016
Comments:	Sites 81 and 102 Supplemental Workplan
Completed Area Name:	7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name:	Site 442
Completed Document Type:	Operation and Maintenance Report
Completed Date:	06/16/2016
Comments:	Site 442 Annual Remedial Action Stutus Report November 2014 - September 2015
Completed Area Name:	4/9 - Northeast AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	07/21/2016
Comments:	OU 4/9 Northeast AFRL 2014 GWM Report
Completed Area Name:	Multiple OUs - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	12/09/2016
Comments:	OB/OD Sites 39 and 270 Remedial Investigation Workplan
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Site 76
Completed Document Type:	Monitoring Report
Completed Date:	07/20/2016
Comments:	Completed
Completed Area Name:	4/9 - Soil and Debris Sites
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Implementation Workplan
Completed Date:	05/16/2016
Comments:	Soil and Debris Sites RAWP Addendum 1 (Site 13 Vapor Monitoring)
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Site 86

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Document Type: Monitoring Report
Completed Date: 07/15/2016
Comments: Not reported

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/27/2016
Comments: OU 4/9 Soil and Debris Sites Land Use Controls Inspection/Maintenance Report for 2015. Document issued as final. DTSC reviewed; no comment letter required or distributed by DTSC.

Completed Area Name: 9 - Air Force Research Lab - East - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/18/2016
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2015

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/16/2016
Comments: Completed

Completed Area Name: 4/9 Mars Blvd Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/07/2017
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2016

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/12/2017
Comments: Site 442 Annual Remedial Action Status Report October 2015 - September 2016

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Monitoring Report
Completed Date: 06/30/2017
Comments: Final OU2, Site 86 ARASR issued on June 30, 2017 but DTSC did not receive a copy until 1/12/2018.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/17/2017
Comments: OU 4/9 South AFRL 2015 Annual Groundwater Monitoring Report

Completed Area Name: 4/9 - Northeast AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/17/2017
Comments: OU 4/9 Northeast AFRL 2015 GWM Report

Completed Area Name: 2 - Operable Unit 2, South Base

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Sub Area Name: Site 76
Completed Document Type: Monitoring Report
Completed Date: 08/18/2017
Comments: Final OU2 Site 76 ARASR, Oct 2015 - Sept 2016

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/26/2017
Comments: OU 1/8 GWM and Sampling Report for 2015

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Plan
Completed Date: 04/30/2018
Comments: Basewide GWM Sampling and Analysis Plan-Volume V, Site 25 Long-Term Monitoring Optimization Plan

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/14/2017
Comments: Soil and Debris Sites 2016 Land Use Controls Inspection and Maintenance Report

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/15/2017
Comments: South AFRL 2016 Land Use Controls Inspection and Maintenance Report. DTSC has reviewed and has no comments.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 06/28/2017
Comments: Site 285 O&M Report for the Period 10/16 through 09/17

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 37
Completed Document Type: Monitoring Report
Completed Date: 11/09/2017
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2016

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/30/2018
Comments: Letter Addendum to the 2016 South AFRL Well Installation Report, Well 13-MW52

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/11/2019
Comments: Site 3 Annual Remedial Action Status Report, October 2016 through

EDWARDS AIR FORCE BASE (Continued) **1000155217**

September 2017

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/03/2018
Comments: Site 25 USGS Long-Screen Wells Evaluation Workplan. Although this document wasn't provided in final form until August 3, 2018, it was actually finalized by the USGS in late April or early May 2018. DTSC input was informal and provided via a very accelerated review schedule.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 04/20/2018
Comments: Document has been finalized.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 01/29/2019
Comments: Sites 81 and 102 Removal Action Workplan

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 10/08/2019
Comments: Basewide GWM SAP Volume IV Long-Term Monitoring Optimization

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/21/2018
Comments: Final OU2 Sites 5/14 Annual Remedial Action Status Report submitted by Air Force on 9/21/18.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/24/2018
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2017

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 07/16/2018
Comments: Soil and Debris Sites 2017 LUC Inspection and Maintenance Report. DTSC reviewed and had no comments.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 06/15/2018
Comments: Letter Report Abandonment and Replacement of OU 1 Wells. DTSC reviewed and had no comments.

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 06/21/2018
Comments: OU 6 NASA Annual 2017 Land Use Control Report

Completed Area Name: 4/9 Mars Blvd Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/20/2018
Comments: Mars Blvd Sites 2016 Groundwater Monitoring Report

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Technical Report
Completed Date: 12/24/2019
Comments: Site 25 Nitrate/Mineral Source Area Evaluation Tech Memo

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Site 37
Completed Document Type: Monitoring Report
Completed Date: 01/03/2020
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2018

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 12/26/2019
Comments: Expanded Site Inspection of Aqueous Film Forming Foam Usage Workplan

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76
Completed Document Type: Monitoring Report
Completed Date: 12/24/2019
Comments: Final version received on 12/24/19.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 07/24/2019
Comments: Soil Gas Sampling Workplan Addendum, OU 7, Chemical Warfare Material Site 442, Areas 1, 2, and 3

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 05/31/2019
Comments: Final OU6 NASA Land Use Restriction Report

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Monitoring Report
Completed Date: 12/24/2019
Comments: No Final DTSC letter needed.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Sub Area Name: Site 25
Completed Document Type: Technical Workplan
Completed Date: 08/16/2019
Comments: Site 25 Tracer Injection Workplan

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 03/12/2020
Comments: 2015 Site 25 GMR

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: 5 Year Review Workplan
Completed Date: 07/24/2019
Comments: 2019 Soil Gas Sampling Workplan for Site 442

Completed Area Name: 9 - Air Force Research Lab - East - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2020
Comments: Sites 6 and 113 GMR for 2019

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 01/03/2020
Comments: Site 285 Groundwater Monitoring Report for 2018

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 10/19/2006
Comments: OU-6 ROD included Land Use Controls to prevent exposure to groundwater during cleanup. Extraction of groundwater for use other than monitoring is prohibited.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Federal Facility Agreement
Completed Date: 10/31/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 08/24/1981
Comments: Facility Identified: EPA Superfund Notification List.

Completed Area Name: 4A - AFRL Area
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 09/26/2007
Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Document Type: Monitoring Report
Completed Date: 04/08/2019
Comments: Final Report

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/25/2019
Comments: Site 442 Annual Remedial Action Stutus Report, October 2017 - September 2018

Completed Area Name: 9 - Air Force Research Lab - East - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/17/2019
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2018

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Enforceable Schedule
Completed Date: 01/15/2019
Comments: Based on RPM discussions in the November 2018 RPM meeting, the 1st Qtr Update to the FFA schedule was finalized on 1/15/19

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/30/2020
Comments: OU 1/8 GWM and Sampling Report for 2017

Completed Area Name: 4/9 - Northeast AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/21/2020
Comments: Final document received on 2/21/2020

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Not reported
Completed Document Type: Well Installation Workplan
Completed Date: 07/09/2019
Comments: Technical Memorandum for Site 25 Leading Edge Well Installation

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Well Completion Report
Completed Date: 03/29/2019
Comments: Document issued only as Final by Air Force

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2019
Comments: Final version of document submitted by Air Force on 12/18/2019.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Operation and Maintenance Report

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Date: 09/15/2020
Comments: Site 3 Annual Remedial Action Status Report, October 2017 through September 2018. In the final report the AF addressed all of DTSCs comments on the draft document.

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 05/29/2019
Comments: Soil and Debris Sites 2018 Land Use Controls Inspection and Maintenance Report. DTSC has reviewed and concurs with the report.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 04/17/2018
Comments: Site 285 Groundwater Monitoring Report for 2017

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 3
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/31/2019
Comments: Site 3 Interim Remedial Action Completion Report, Landfill Cap Construction

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 442
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/23/2018
Comments: Site 442 Annual Remedial Action Stutus Report, October 2016 - September 2017

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Removal Action Workplan Amendment
Completed Date: 04/20/2018
Comments: Document completed.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 18
Completed Document Type: Monitoring Report
Completed Date: 05/10/2018
Comments: Site 18 DES Annual O&M Report November 2016-October 2017

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 29
Completed Document Type: Record of Decision w/ESD
Completed Date: 08/14/2020
Comments: On 8/14/20 DTSC signed and distributed the ESD signature page that was already signed by the Water Board. EPA and Air Force will also sign and then the Air Force will provide the regulators with a copy of the complete signed signature page. ESD requires installation of a landfill cover, land use controls, and future groundwater monitoring to ensure protectiveness.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 76

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Document Type: Monitoring Report
Completed Date: 08/06/2018
Comments: Final OU2 Site 76 ARASR. Laboratory reports (Appendix D.2, PDF 3/3) not uploaded due to size limitation.

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/13/2018
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2017

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 04/02/2019
Comments: Final OU6 Groundwater SAP received by DTSC on 2 April 2019.

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 05/09/2019
Comments: Not reported

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Site Characterization Report
Completed Date: 09/26/2018
Comments: Site 25 Updated Cross Sections and 2016 Groundwater Level Contour Maps Technical Memorandum

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Site Characterization Workplan
Completed Date: 06/22/2018
Comments: Site 25 Phase II Geophysical Survey Work Plan.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 10/09/2017
Comments: OU 4/9 South AFRL Second Five Year Review. DTSCs outstanding issues on the VI assessment have been addressed by the EPA's contingent protectiveness statement. Short-term protectiveness is accepted, long term not due to the insufficient VI characterization of five (three of them unoccupied, two of them periodically occupied) buildings. AF is to complete a comprehensive VI assessment before the next Five Year Review.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Well Installation Workplan
Completed Date: 04/06/2017
Comments: Site 25 Plume Leading Edge Monitoring Well Installation Letter Workplan. To install wells to define the leading edge of the Site 25 TCE plume.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Sub Area Name: Site 18
Completed Document Type: Monitoring Report
Completed Date: 09/26/2017
Comments: Site 18 DES Annual O&M Report November 2014-October 2016

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/02/2017
Comments: Final Letter Workplan for OU6 Groundwater Plume Delineation received on 6/1/2017.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc. - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Feasibility Study Report
Completed Date: 11/07/2018
Comments: Final FS Report Addendum, OU7 Sites 272, 280, 293 and 339 received on 2 October 2018.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/14/2017
Comments: Final OU2 Sites 5/14 Groundwater Contaminant Plume, ARASR, Oct 2015 through Sept 2016 received on 12/14/17.

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2018
Comments: Final OU4/9 South AFRL Annual Groundwater Monitoring Report

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Site Characterization Workplan
Completed Date: 06/30/2017
Comments: Site 25 Source Area Soil Gas Sampling Workplan. Workplan to collect soil vapor from the well casings above source area groundwater monitoring wells to obtain recent soil vapor information from the Site 25 source area.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/01/2018
Comments: AFRL Arroyos 2016 Groundwater Monitoring Report

Completed Area Name: 4/9 Mars Blvd Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/12/2018
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2017

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Site Characterization Workplan
Completed Date: 08/10/2017

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments:	Letter Workplan for Indoor Air Sampling at NASA Buildings 4857 and 4876. DTSC had minor comments on the draft which were addressed by the Air Force in the final report.
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Site 86
Completed Document Type:	Removal Action Workplan
Completed Date:	07/19/2017
Comments:	Decision Rule updated for use in future Site 86 documents.
Completed Area Name:	7 - Operable Unit 7, Basewide Misc. - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	03/15/2019
Comments:	Final Supplemental RI/FS Report, OU7 Sites 267, 269 and 294.
Completed Area Name:	8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name:	Site 25
Completed Document Type:	Site Characterization Workplan
Completed Date:	10/12/2017
Comments:	Site 25 Additional GW Sampling for Nitrate/Minerals and Source Area Evaluation Letter Workplan
Completed Area Name:	2 - Operable Unit 2, South Base
Completed Sub Area Name:	Site 5
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	11/07/2017
Comments:	Completed
Completed Area Name:	6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	09/28/2017
Comments:	Document completed
Completed Area Name:	Multiple OUs - MULTIPLE SITES
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	11/01/2019
Comments:	While the Air Force titled this document a Remedial Investigation Report, they now are considering it a Site Inspection Report. DTSC has concluded that risks for Site 39 are below action levels and concur with a No Further Action for this site. For Site 270, the site qualifies for NFA for chemical contamination; however the Air Force never completed a subsurface investigation for MEC that may have been derived from Site 270 activities because the site is in the active PIRA bombing range. The Air Force will maintain active range health protections (restricting on-site access) and will conduce a munitions investigation should the site ever become deactivated from the range operations.
Completed Area Name:	4/9 - Northeast AFRL
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	09/27/2018
Comments:	OU 4/9 Northeast AFRL 2016 GWM Report

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 05/25/2018
Comments: Site Inspection for Aqueous Film Forming Foam (PFAS/PFOA) Potential Release Areas

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Monitoring Report
Completed Date: 10/19/2018
Comments: Site 25 Groundwater Monitoring Report for 2016

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 07/23/2018
Comments: Groundwater Monitoring Well Installation Report, Sites 17, 19, and 66 (for GW plume extent characterization)

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/14/2018
Comments: Site 25 Letter Report Indoor Air Sampling Buildings 4857 and 4876

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 86
Completed Document Type: Monitoring Report
Completed Date: 08/06/2018
Comments: Final OU2 Site 86 ARASR. All documents uploaded except Apdx C.2, Laboratory Reports.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 285
Completed Document Type: Monitoring Report
Completed Date: 04/02/2018
Comments: Site 285 GETS Annual Operation and Maintenance (10/16-9/17) Report

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Site Characterization Workplan
Completed Date: 03/18/2018
Comments: Site 25 Soil Gas Sampling Results Summary and Permeability Test Letter Work Plan

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/19/2011
Comments: 2009 Annual Monitoring Results for OU 1

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 07/01/2011
Comments: Provides the results of the remedial action for the OUs 4 & 9 Soil

EDWARDS AIR FORCE BASE (Continued) **1000155217**

and Debris Sites ROD. Action is complete for Sites 36, 6, and 113, but per DTSC and EPA comments the AF has agreed that a ROD Amendment is needed for Site 312 as they were unable to remove all the PCB-impacted soil.

Completed Area Name: 4/9 - Northeast AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 04/08/2011
Comments: Workplan to conduct an aquifer test in the Northeast AFRL for assessing aquifer parameters for future modeling updates.

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 10/13/2010
Comments: Provides the Phase II MMRP investigation of various areas of the base. Conclusions are that several areas will be designated as "No Further Action" while additional areas (AL504, AL505-2), and AL505-4) will undergo Feasibility Study (with required data gaps work) or a removal action via the EE/CA process.

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 29
Completed Document Type: Proposed Plan
Completed Date: 01/18/2011
Comments: Proposed plan to explain the change in the remedy for Site 29. Plan now is to excavate for clean closure.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/20/2010
Comments: PERA for select OU 7 Sites at EAFB.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.
Completed Sub Area Name: Site 339
Completed Document Type: Site Characterization Workplan
Completed Date: 12/20/2011
Comments: Workplan to fill data gaps at Site 339 so the site can move to the ROD stage.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/01/2011
Comments: Site Characterization and Plume Delineation Work Plan to fill data gaps at OUs 5/10 Sites 231, 240/241, 275, 282, 285, and 422.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 04/01/1996
Comments: 1996 Operable Unit 1 RI Report. Note, there is a subsequent (2004) supplemental OU 1 RI report

Completed Area Name: 4/9 - Northeast AFRL

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/30/2014
Comments: Rather than send a letter on the final report, DTSC will provide any needed input in comments on the Draft Northeast AFRL FS as this modeling report is incorporated into the FS

Completed Area Name: 6 - Operable Unit 6, NASA Dryden
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/23/2011
Comments: Provides the results of the final phase of the groundwater remedy treatment. Information will be used in the pending 5-year review of the OU 6 ROD remedy.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Well Installation Workplan
Completed Date: 08/01/2011
Comments: Well installation and geophysics survey to fill data gaps for Feasibility Study.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base
Completed Sub Area Name: Site 231
Completed Document Type: Removal Action Completion Report
Completed Date: 08/01/2011
Comments: Documents the results of the (mostly lead) soil contamination cleanup of Site 231 at OUs 5/10

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/10/2012
Comments: Workplan to conduct a surface clearance of military munitions for 2 offsite areas adjacent to the base and one-site area at EAFB.

Completed Area Name: 4/9 - Soil and Debris Sites
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/01/1995
Comments: Presents the background levels for various inorganics in soil and bedrock at the AFRL area.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/30/2011
Comments: Results of the aquifer tests and associated model update for OU 5/10 sites

Completed Area Name: 4/9 - Northeast AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 08/22/2011
Comments: Workplan to assist in groundwater flow model projections

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/07/2011
Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 58
Completed Document Type: Monitoring Report
Completed Date: 07/29/2011
Comments: Annual monitoring report for Site 58 SVE system

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Remedial Investigation Report
Completed Date: 09/13/2018
Comments: Report completed.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Treatability Study Workplan
Completed Date: 11/06/2018
Comments: Site 25 Source Area Subsurface Permeability and SVE Treatability Study Letter Workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Enforceable Schedule
Completed Date: 10/12/2018
Comments: 2018 Update to the FFA Schedule

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 04/22/2019
Comments: Work Plan for Vapor Intrusion Assessment at Buildings 1808, 1810, 1820, 1830, 3500, and 4221

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 10/12/2018
Comments: OU 1/8 2018 Interim GWM Sampling and Analysis Plan

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/01/2017
Comments: Site 25 Slug Test Technical Memorandum, issued as a final document (no draft version distributed)

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Site 16
Completed Document Type: Site Characterization Report
Completed Date: 02/02/2021
Comments: Air Force has implemented interim measures to mitigate vapor intrusion. These as well as other potential remedies will be evaluated in an upcoming FS. DTSC has reviewed and concurs with the

EDWARDS AIR FORCE BASE (Continued) **1000155217**

final report.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Remedial Investigation Workplan
Completed Date: 06/27/2019
Comments: Site 25 Integrated Workplan Memorandum for High-Resolution Characterization

Completed Area Name: 2 - Operable Unit 2, South Base
Completed Sub Area Name: Site 5
Completed Document Type: Technical Report
Completed Date: 03/29/2019
Comments: Final Version included as Attachment 1 to Site 5 CT Plume Delineation Well Construction Completion Report (29 March 2019).

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/21/2019
Comments: Final document received on 11/21/2019.

Completed Area Name: 4A - AFRL Arroyos
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/04/2020
Comments: Final document received 2/4/2020.

Completed Area Name: 4/9 Mars Blvd Sites
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/31/2020
Comments: Mars Blvd Sites 2017 GWM Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Enforceable Schedule
Completed Date: 10/10/2019
Comments: 2019 Update to the FFA Schedule

Completed Area Name: 4/9 - South AFRL
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/07/2020
Comments: Final 2018 South AFRL Groundwater Monitoring Report

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/08/2020
Comments: Due to competing higher priority activities, DTSC did not review this tech memo, but noted to the Air Force that the information contained in the memo would be used for future technical reviews of OU 1/8 groundwater.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/29/2021
Comments: Letter Addendum No. 4 to the VI Assessment Workplan, OUs 1, 4/9, 5/10, and 8

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Completed Sub Area Name: Site 25
Completed Document Type: Technical Report
Completed Date: 12/20/2020
Comments: Site 25 Recharge Study Technical Memorandum

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Federal Facility Agreement
Completed Date: 09/25/1990
Comments: Not reported

Future Area Name: 5/10 - Operable Units 5 and 10, North Base
Future Sub Area Name: Not reported
Future Document Type: Record of Decision
Future Due Date: 2024
Future Area Name: 4/9 - Northeast AFRL
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2023
Future Area Name: 4/9 Mars Blvd Sites
Future Sub Area Name: Not reported
Future Document Type: Feasibility Study Report
Future Due Date: 2023
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2025
Schedule Area Name: 4A - AFRL Arroyos
Schedule Sub Area Name: Not reported
Schedule Document Type: Record of Decision
Schedule Due Date: 04/29/2021
Schedule Revised Date: 10/28/2021
Schedule Area Name: 7 - Operable Unit 7, Basewide Misc.
Schedule Sub Area Name: Not reported
Schedule Document Type: Record of Decision
Schedule Due Date: 12/31/2019
Schedule Revised Date: 08/03/2025
Schedule Area Name: 4/9 - South AFRL
Schedule Sub Area Name: Not reported
Schedule Document Type: Record of Decision w/ESD
Schedule Due Date: 03/30/2019
Schedule Revised Date: 07/30/2021
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 07/01/2017
Schedule Revised Date: Not reported
Schedule Area Name: Military Munitions Response Program (MMRP) - Basewide
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 03/31/2018

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Schedule Revised Date:	10/02/2020
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	5 Year Review Reports
Schedule Due Date:	10/24/2019
Schedule Revised Date:	10/31/2020
Schedule Area Name:	Military Munitions Response Program (MMRP) - Basewide
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Remedial Investigation / Feasibility Study
Schedule Due Date:	05/30/2019
Schedule Revised Date:	10/03/2020
Schedule Area Name:	2 - Operable Unit 2, South Base
Schedule Sub Area Name:	Site 5
Schedule Document Type:	Feasibility Study Report
Schedule Due Date:	10/27/2020
Schedule Revised Date:	01/04/2023
Schedule Area Name:	1 - Operable Unit 1, Main Base Flightline
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Feasibility Study Report
Schedule Due Date:	08/29/2021
Schedule Revised Date:	08/29/2022
Schedule Area Name:	8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels
Schedule Sub Area Name:	Site 25
Schedule Document Type:	Feasibility Study Report
Schedule Due Date:	12/26/2020
Schedule Revised Date:	01/26/2022
Schedule Area Name:	2 - Operable Unit 2, South Base - MULTIPLE SITES
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Record of Decision
Schedule Due Date:	12/14/2021
Schedule Revised Date:	Not reported
Schedule Area Name:	6 - Operable Unit 6, NASA Dryden
Schedule Sub Area Name:	Not reported
Schedule Document Type:	5 Year Review Reports
Schedule Due Date:	10/22/2021
Schedule Revised Date:	Not reported
Schedule Area Name:	2 - Operable Unit 2, South Base - MULTIPLE SITES
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Completion Report
Schedule Due Date:	12/29/2020
Schedule Revised Date:	09/19/2021

Calsite:

Name:	EDWARDS AIR FORCE BASE
Address:	470 SQ MI; 60 MI NE OF LOS ANGELES, CA
City:	EDWARDS
Region:	SACRAMENTO
Facility ID:	15970001
Facility Type:	OPEN
Type:	OPEN MILITARY BASE
Branch:	NO
Branch Name:	OMF-NORTHERN CALIF
File Name:	Not reported
State Senate District:	05011986
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL

EDWARDS AIR FORCE BASE (Continued) **1000155217**

NPL: Listed
SIC Code: 97
SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
Staff Member Responsible for Site: JOKANE
Supervisor Responsible for Site: Not reported
Region Water Control Board: LN
Region Water Control Board Name: LAHONTAN
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: MEASURED FROM CENTER POINT OF RUNWAY
State Assembly District Code: 34
State Senate District Code: 18
Facility ID: 15970001
Activity: RIFS
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code: OU10
Proposed Budget: 0
AWP Completion Date: 07012007
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 15970001
Activity: RAP
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code: OU9
Proposed Budget: 0
AWP Completion Date: 07012007
Revised Due Date: Not reported
Comments Date: Not reported
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU9
Proposed Budget:	0
AWP Completion Date:	07012006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OU8
Proposed Budget:	0
AWP Completion Date:	07012007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Facility ID:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU8
Proposed Budget:	0
AWP Completion Date:	07012006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU7
Proposed Budget:	0
AWP Completion Date:	12312006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OU5
Proposed Budget:	0
AWP Completion Date:	07012007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU5
Proposed Budget:	0
AWP Completion Date:	07012006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU4
Proposed Budget:	0
AWP Completion Date:	06302006
Revised Due Date:	08302005
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	S426
Proposed Budget:	0
AWP Completion Date:	08062004
Revised Due Date:	Not reported
Comments Date:	08062004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU1
Proposed Budget:	0
AWP Completion Date:	12012005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY

EDWARDS AIR FORCE BASE (Continued) **1000155217**

AWP Code:	OU6
Proposed Budget:	0
AWP Completion Date:	09302004
Revised Due Date:	Not reported
Comments Date:	10152004
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	S172
Proposed Budget:	0
AWP Completion Date:	06302003
Revised Due Date:	Not reported
Comments Date:	06302003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	S133
Proposed Budget:	0
AWP Completion Date:	06272003
Revised Due Date:	Not reported
Comments Date:	06272003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	STE25
Proposed Budget:	0
AWP Completion Date:	05132003
Revised Due Date:	Not reported
Comments Date:	05132003
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL32
Proposed Budget:	0
AWP Completion Date:	06282002
Revised Due Date:	Not reported
Comments Date:	06282002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL31
Proposed Budget:	0
AWP Completion Date:	06282002
Revised Due Date:	Not reported
Comments Date:	06282002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL30
Proposed Budget:	0
AWP Completion Date:	06282002
Revised Due Date:	Not reported
Comments Date:	06282002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL29
Proposed Budget:	0
AWP Completion Date:	03292002

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Revised Due Date:	Not reported
Comments Date:	03292002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL28
Proposed Budget:	0
AWP Completion Date:	03292002
Revised Due Date:	Not reported
Comments Date:	03292002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL27
Proposed Budget:	0
AWP Completion Date:	03292002
Revised Due Date:	Not reported
Comments Date:	03292002
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	S426
Proposed Budget:	0
AWP Completion Date:	10112001
Revised Due Date:	Not reported
Comments Date:	10112001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL26
Proposed Budget:	0
AWP Completion Date:	12132001
Revised Due Date:	Not reported
Comments Date:	12132001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL25
Proposed Budget:	0
AWP Completion Date:	12132001
Revised Due Date:	Not reported
Comments Date:	12132001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL24
Proposed Budget:	0
AWP Completion Date:	12132001
Revised Due Date:	Not reported
Comments Date:	12132001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL23
Proposed Budget:	0
AWP Completion Date:	09172001
Revised Due Date:	Not reported
Comments Date:	09172001
Est Person-Yrs to complete:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL22
Proposed Budget:	0
AWP Completion Date:	09172001
Revised Due Date:	Not reported
Comments Date:	09172001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL21
Proposed Budget:	0
AWP Completion Date:	09172001
Revised Due Date:	Not reported
Comments Date:	09172001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL20
Proposed Budget:	0
AWP Completion Date:	06112001
Revised Due Date:	Not reported
Comments Date:	06112001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL19
Proposed Budget:	0
AWP Completion Date:	06082001
Revised Due Date:	Not reported
Comments Date:	06082001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN

EDWARDS AIR FORCE BASE (Continued) **1000155217**

AWP Code:	STE25
Proposed Budget:	0
AWP Completion Date:	12042000
Revised Due Date:	Not reported
Comments Date:	12042000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL18
Proposed Budget:	0
AWP Completion Date:	03152001
Revised Due Date:	Not reported
Comments Date:	03152001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL17
Proposed Budget:	0
AWP Completion Date:	03152001
Revised Due Date:	Not reported
Comments Date:	03152001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL16
Proposed Budget:	0
AWP Completion Date:	03152001
Revised Due Date:	Not reported
Comments Date:	03152001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL15
Proposed Budget:	0
AWP Completion Date:	02072001
Revised Due Date:	Not reported
Comments Date:	02072001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL14
Proposed Budget:	0
AWP Completion Date:	02072001
Revised Due Date:	Not reported
Comments Date:	02072001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL13
Proposed Budget:	0
AWP Completion Date:	02082001
Revised Due Date:	Not reported
Comments Date:	02082001
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	DES
Activity Name:	DESIGN
AWP Code:	STE18
Proposed Budget:	0
AWP Completion Date:	08021999

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Revised Due Date:	Not reported
Comments Date:	08021999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL12
Proposed Budget:	0
AWP Completion Date:	04212000
Revised Due Date:	Not reported
Comments Date:	04212000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL11
Proposed Budget:	0
AWP Completion Date:	01052000
Revised Due Date:	Not reported
Comments Date:	01052000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL10
Proposed Budget:	0
AWP Completion Date:	01052000
Revised Due Date:	Not reported
Comments Date:	01052000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL9
Proposed Budget:	0
AWP Completion Date:	09291999
Revised Due Date:	Not reported
Comments Date:	09291999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL8
Proposed Budget:	0
AWP Completion Date:	09291999
Revised Due Date:	Not reported
Comments Date:	09291999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL7
Proposed Budget:	0
AWP Completion Date:	02261999
Revised Due Date:	Not reported
Comments Date:	02261999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	DES
Activity Name:	DESIGN
AWP Code:	S223
Proposed Budget:	0
AWP Completion Date:	02021999
Revised Due Date:	Not reported
Comments Date:	02021999
Est Person-Yrs to complete:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	DES
Activity Name:	DESIGN
AWP Code:	SIT14
Proposed Budget:	0
AWP Completion Date:	02011999
Revised Due Date:	Not reported
Comments Date:	02011999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	B8595
Proposed Budget:	0
AWP Completion Date:	01281999
Revised Due Date:	Not reported
Comments Date:	01281999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL6
Proposed Budget:	0
AWP Completion Date:	10011998
Revised Due Date:	Not reported
Comments Date:	10011998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SRAM
Proposed Budget:	0
AWP Completion Date:	08031998
Revised Due Date:	Not reported
Comments Date:	08031998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	REMOVAL ACTION CONSISTED OF DESTRUCTION OF SHORT RANGE ATTACK MISSLE MOTOR.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	OM

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Name:	OPERATION & MAINTENANCE
AWP Code:	OU-6
Proposed Budget:	0
AWP Completion Date:	04271999
Revised Due Date:	Not reported
Comments Date:	04271999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	S133
Proposed Budget:	0
AWP Completion Date:	10172000
Revised Due Date:	Not reported
Comments Date:	10172000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL5
Proposed Budget:	0
AWP Completion Date:	10011998
Revised Due Date:	Not reported
Comments Date:	10011998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL4
Proposed Budget:	0
AWP Completion Date:	07291998
Revised Due Date:	Not reported
Comments Date:	07291998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL1
Proposed Budget:	0
AWP Completion Date:	12121996
Revised Due Date:	Not reported
Comments Date:	12121996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	S223
Proposed Budget:	0
AWP Completion Date:	06011999
Revised Due Date:	Not reported
Comments Date:	06011999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SIT14
Proposed Budget:	0
AWP Completion Date:	06111999
Revised Due Date:	Not reported
Comments Date:	06111999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SIT29
Proposed Budget:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

AWP Completion Date:	06041998
Revised Due Date:	Not reported
Comments Date:	06041998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	REMOVAL ACTION CONSISTED OF FENCING THE SITE FOR ACCESS RESTRICTION AND CONDUCTING LONG-TERM GROUNDWATER MONITORING.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	S223
Proposed Budget:	0
AWP Completion Date:	05071998
Revised Due Date:	Not reported
Comments Date:	05071998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	SIT14
Proposed Budget:	0
AWP Completion Date:	05071998
Revised Due Date:	Not reported
Comments Date:	05071998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	SIT29
Proposed Budget:	0
AWP Completion Date:	05071998
Revised Due Date:	Not reported
Comments Date:	05071998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU2
Proposed Budget:	0
AWP Completion Date:	11302005
Revised Due Date:	04302005
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	X
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	5&15
Proposed Budget:	0
AWP Completion Date:	12101997
Revised Due Date:	Not reported
Comments Date:	12101997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	INITIAL OPERATION OF THE DUAL EXTRACTION SYSTEM TO REMEDIATE VOC CONTAMINATION COMMENCED ON 4/10/97. AMOUNTS SHOWN ARE FOR THE INITIAL 3 MONTHS OF OPERATION.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	7&167
Proposed Budget:	0
AWP Completion Date:	06301997
Revised Due Date:	Not reported
Comments Date:	06301997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	8482
Liquids Treated (Gals):	8482
Action Included Capping:	X
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	BERYLLIUM CONTAMINATED SOILS WERE EXCAVATED AND DEPOSITED ON-SITE UNDER THE DTSC CAMU REGULATIONS AND IN ACCORDANCE WITH THE ARARS CONTAINED IN 23 CCR, CHAPTER 15.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION

EDWARDS AIR FORCE BASE (Continued) **1000155217**

AWP Code:	SIT16
Proposed Budget:	0
AWP Completion Date:	06301997
Revised Due Date:	Not reported
Comments Date:	06301997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	INITIAL OPERATION OF THE DULA EXTRACTION SYSTEM BEGAN ON MARCH 18. BASED ON BIMONTHLY MONITORING REPORTS, THE SYSTEM APPEARS TO BE OPERATING PROPERLY. CONTINUED OPERATION WILL BE CONDUCTED UNDER OM.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SIT45
Proposed Budget:	0
AWP Completion Date:	05221997
Revised Due Date:	Not reported
Comments Date:	05221997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	THE SITE 45 RA CONSISTS OF DTSC'S APPROVAL THAT THE DUAL VAPOR/ GROUNDWATER EXTRACTION SYSTEM IS OPERATING SATISFACTORILY AND THAT THE SYSTEM IS NOW CONSIDERED TO BE IN AN OPERATION AND MAINTENANCE MODE.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	5&15
Proposed Budget:	0
AWP Completion Date:	06301997
Revised Due Date:	Not reported
Comments Date:	06301997

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	SIT18
Proposed Budget:	0
AWP Completion Date:	05291997
Revised Due Date:	Not reported
Comments Date:	05291997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	SIT16
Proposed Budget:	0
AWP Completion Date:	09301996
Revised Due Date:	Not reported
Comments Date:	09301996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	SIT45
Proposed Budget:	0
AWP Completion Date:	09301996
Revised Due Date:	Not reported
Comments Date:	09301996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	7&167
Proposed Budget:	0
AWP Completion Date:	09301996
Revised Due Date:	Not reported
Comments Date:	09301996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PPP

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	05311994
Revised Due Date:	Not reported
Comments Date:	05311994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	OU1FP
Proposed Budget:	0
AWP Completion Date:	01301993
Revised Due Date:	Not reported
Comments Date:	01301993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	INSTALLATION, DEVELOPMENT AND ACTIVATION OF SIX SCAVENGER PUMPS TO REMOVE FREE JP-4 FUEL PRODUCT FROM THE GROUNDWATER SURFACE AT SITE 16.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	OU1BV
Proposed Budget:	0
AWP Completion Date:	01301993
Revised Due Date:	Not reported
Comments Date:	01301993
Est Person-Yrs to complete:	0
Estimated Size:	Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	REMOVAL OF JP-4 FUEL IN THE VADOSE ZONE BY INJECTION OF AIR UNDER-GROUND TO PROVIDE OXYGEN TO NATIVE BACTERIA WHICH FEED ON PETROLEUM HYDROCARBONS.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	OU1PR
Proposed Budget:	0
AWP Completion Date:	01301992
Revised Due Date:	Not reported
Comments Date:	01301992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	CONSTRUCTION OF A NEW JP-4 JET FUEL PIPELINE TO REPLACE EXISTING PIPE-LINE FROM FUEL TANK FARM TO FLIGHT LINE WITH DOUBLE-WALLED PIPE WITHLEAK DETECTORS.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PPP
Activity Name:	PUBLIC PARTICIPATION PLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	04301991
Revised Due Date:	Not reported
Comments Date:	04301991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	02101987
Revised Due Date:	Not reported
Comments Date:	02101987
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	BASWD
Proposed Budget:	0
AWP Completion Date:	12312010
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Facility ID:	15970001
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	FFA
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10311990
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	SOUTH OF HIGHWAY 58
Alternate City,St,Zip:	MOJAVE, CA 93501
Alternate Address:	470 SQ MI; 60 MI NE OF LOS ANGELES, CA
Alternate City,St,Zip:	EDWARDS, CA 93523
Alternate Address:	6510 ABG/CC
Alternate City,St,Zip:	EDWARDS, CA 93523
Alternate Address:	AFFTC EDWARDS AFB
Alternate City,St,Zip:	EDWARDS, CA 93523
Alternate Address:	NE OF THE CITY OF LANCASTER
Alternate City,St,Zip:	MOJAVE, CA 93501
Background Info:	Edwards Air Force Base is an Air Force Command Test Center. The p rimary function of Edwards is to test new and existing air- craft and integrate them into the present Air Force inventory. The lan d area occupied by the base is 470 square miles. Within this lan d area there are 3 separate Air Force Bases, complete with runway s and infrastructure; the NASA Dryden Flight Test and Space Shutt le Recovery facilities; the 50+ square mile Phillips Laboratory r ocket test facility; the Precision Impact Range Area; and the Rog ers and Rosamond Dry Lake Beds. In the past, the base was the home of the U.S. Army Helicopter Flight Test Center and the NASA Jet Propulsion Laboratory. During World War II, the base trained P-38 fighter pilots and B-24 bombe crews. After World War II, th e base became a flight test center. The 469 discovered contaminat ed sites are divided into 10 Operable Units (OU): OU-1, Main Base Flightline; OU-2, South Base; OU-3, Basewide Water Wells; OU-4, Phillips Laboratory;OU-5, NASA/Jet Propulsion Laboratory; OU-6, N ASA/Dryden; OU-7, Basewide Miscellaneous; OU-8, NW Main Base Flig htline; OU-9, Phillips Lab- oratory (East); and OU-10, North Base . There is an extensive Archival Research Program underway to lo cate information leading to the identification of potential past chemical weapon activity on the base (40 + or - sites suspected). There is also an Under- ground Storage Tank removal program (70 0 USTs removed). In the summer of 1989, EPA listed Edwards on

EDWARDS AIR FORCE BASE (Continued) **1000155217**

	the National Priority List. A Federal Facility Agreement (FFA) b
	etween Edwards, EPA, RWQCB, and DTSC was negotiated and became ef
	fective in October 1990.
Comments Date:	01052000
Comments:	PEA - PRL10 -- Concurrance provided on PEA equivalent documents f
Comments Date:	01052000
Comments:	or OU-4, areas of concern 122, 141, 170, and 171. PEA - PRL11 --
Comments Date:	01052000
Comments:	Concurrance provided on PEA equivalent document for OU-5, area of
Comments Date:	01052000
Comments:	concern 233.
Comments Date:	01281999
Comments:	PEA - B8595 -- Investigation and closure of AOC's 170-172 in Buil
Comments Date:	01281999
Comments:	ding 8595 in OU-4.
Comments Date:	01301992
Comments:	RA (OU1PR): Construction of a new JP-4 jet fuel pipeline to repla
Comments Date:	01301992
Comments:	ce existing pipeline from fuel tank farm to flight line (4.5 mile
Comments Date:	01301992
Comments:	s) with double-walled pipe and leak detectors. No contaminated so
Comments Date:	01301992
Comments:	il was removed with this action.
Comments Date:	01301993
Comments:	RA (OU1BV): Removal of JP-4 fuel in the vadose zone by injection
Comments Date:	01301993
Comments:	of air underground to provide oxygen to native bacteria which fee
Comments Date:	01301993
Comments:	d on petroleum hydrocarbons. This process is being employed at S
Comments Date:	01301993
Comments:	ite 16 - Fuel Spill and at Site 21 - Jet Engine test cell facilit
Comments Date:	01301993
Comments:	y. RA (OU1FP): Installation, development and activation of six s
Comments Date:	01301993
Comments:	cavenger pumps to remove free product from the groundwater surfac
Comments Date:	01301993
Comments:	e at Site 16.
Comments Date:	02011999
Comments:	DES - SIT14 -- Design for installing, operating, and evaluating t
Comments Date:	02011999
Comments:	he groundwater extraction and treatment system at Site 14 in OU-2
Comments Date:	02011999
Comments:	.
Comments Date:	02021999
Comments:	DES - S223 -- Design for installing, operating and evaluating the
Comments Date:	02021999
Comments:	SVE and air sparging systems at Site 223 in OU-2.
Comments Date:	02072001
Comments:	PEA - PRL14 -- Concurrence provided on PEA equivalent documents f
Comments Date:	02072001
Comments:	or Operable Unit #10, Area of Concern 243. PEA - PRL15 -- Concu
Comments Date:	02072001
Comments:	rrence provided on PEA equivalent documents for Operable Unit #1,
Comments Date:	02072001
Comments:	Sites 46, 55 and 366.
Comments Date:	02081983
Comments:	Records Search: HWMB/Enforcement actively involved.

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments Date:	02082001
Comments:	PEA - PRL13 -- Concurrence provided on PEA equivalent documents f
Comments Date:	02082001
Comments:	or Operable Unit #4, Site 12 and Areas of Concern 121, 155 and 16
Comments Date:	02082001
Comments:	4.
Comments Date:	02101987
Comments:	Site Screening Done.
Comments Date:	02261999
Comments:	PEA - PRL7 -- Concurrance provided on PEA - equivalent documents
Comments Date:	02261999
Comments:	for OU-10 sites 228, 232, and 256.
Comments Date:	03152001
Comments:	PEA - PRL16 -- Concurrence provided on PEA equivalent documents f
Comments Date:	03152001
Comments:	or Operable Unit #4, Site 150 and Area of Concern 168. PEA - PR
Comments Date:	03152001
Comments:	L17 -- Concurrence provided on PEA equivalent documents for Opera
Comments Date:	03152001
Comments:	ble Unit #7 Sites 4 and 34 and Areas of Concern 388 and 394. PE
Comments Date:	03152001
Comments:	A - PRL18 -- Concurrence provided on PEA equivalent documents for
Comments Date:	03152001
Comments:	Operable Unit #8,Site 2.
Comments Date:	03292002
Comments:	PEA - PRL27 -- No Further Investigation (NFI) documents signed by
Comments Date:	03292002
Comments:	the Edwards Air Force Base Remedial Project Manager for Operable
Comments Date:	03292002
Comments:	Unit 4- Air Force Research Laboratory Site Number 146 and for Op
Comments Date:	03292002
Comments:	erable Unit 9 - East Air Force Research Laboratory Site Number 37
Comments Date:	03292002
Comments:	6. The NFI determination for these site-specific actions means t
Comments Date:	03292002
Comments:	hat these Sites have been adequately investigated and that the re
Comments Date:	03292002
Comments:	sults justify the determination. PEA - PRL28 -- No Further Inve
Comments Date:	03292002
Comments:	stigation (NFI) documents signed by the Edwards Air Force Base Re
Comments Date:	03292002
Comments:	medial Project Manager for Operable Unit 7 - Basewide Miscellaneo
Comments Date:	03292002
Comments:	us Site Number 353 and Area of Concern (AOC) Numbers 268,368 and
Comments Date:	03292002
Comments:	371. The NFI determination for these site-specific actions means
Comments Date:	03292002
Comments:	that these Sites/AOCs have been adequately investigated and that
Comments Date:	03292002
Comments:	the results justify the determination. PEA - PRL29 -- No Furth
Comments Date:	06302003
Comments:	apor from seven wells. The cumulative mass of contaminants remov
Comments Date:	06302003
Comments:	ed during the reporting period was 472 pounds. Vapor flow rates
Comments Date:	06302003
Comments:	averaged approximately 42 standard cubic feet per minute (scfm) d
Comments Date:	06302003

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments:	uring January to August 2002, and 84 scfm during September to Dec
Comments Date:	06302003
Comments:	ember 2002 following expansion of the well field from three to se
Comments Date:	06302003
Comments:	ven wells. The SVE operating cost for the year 2002, excluding l
Comments Date:	06302003
Comments:	abor, was $95,172.
Comments Date:	07291998
Comments:	PEA - PRL4 -- Edwards AFB has adequately investigated the OU-2 Ol
Comments Date:	07291998
Comments:	d South Base PRL sites 72, 73, 78, 79, 84, 87, 98, 100, 101, 104,
Comments Date:	07291998
Comments:	290, 291 and 417 (collectively, PRL4) DTSC finds that the docume
Comments Date:	07291998
Comments:	nts are equivalent to a PEA document.
Comments Date:	08021999
Comments:	DES - STE18 -- Approval of dual extraction system design for inte
Comments Date:	08021999
Comments:	rim removal action to treat TCE contaminated soil and groundwater
Comments Date:	08021999
Comments:	.
Comments Date:	08031998
Comments:	RA - SRAM -- Time critical removal action taken to destroy short
Comments Date:	08031998
Comments:	range attack missile motor.
Comments Date:	08062004
Comments:	RA - S426 -- No Further Action recommendation following the compl
Comments Date:	08062004
Comments:	etion of a removal action at Site 426 in OU-7, documented in the
Comments Date:	08062004
Comments:	Site Interim Removal Action Report, March 2004. Site 426 is an h
Comments Date:	08062004
Comments:	istoric WWII Chemical Warfare Material Storage Yard near dormitor
Comments Date:	08062004
Comments:	ies where investigation delineated frou possible "trenches." An
Comments Date:	08062004
Comments:	excavation removal action conducted in 2002 identified no hazardo
Comments Date:	08062004
Comments:	us contaminants, only four sets of concrete "rails" which were re
Comments Date:	08062004
Comments:	moved.
Comments Date:	08241981
Comments:	Facility Identified: EPA Superfund Notification List.
Comments Date:	09172001
Comments:	PEA - PRL21 -- Concurrence provided on PEA equivalent document fo
Comments Date:	09172001
Comments:	r OU7, AOCs 261, 262, 263, 264, and 265. PEA - PRL22 -- Concurr
Comments Date:	09172001
Comments:	ence provided on PEA equivalent document for OU10, Site 279. PE
Comments Date:	09172001
Comments:	A - PRL23 -- Concurrence provided on PEA equivalent document for
Comments Date:	09172001
Comments:	OU2, AOCs 458, 459, and 460.
Comments Date:	09281999
Comments:	PEA - PRL8 -- Concurrence provided on PEA equivalent documents
Comments Date:	09281999
Comments:	for OU-3, Sites 409, 410, 411, and 416.

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments Date:	09281999
Comments:	PEA - PRL9 -- Concurrence provided on PEA equivalent documents
Comments Date:	09281999
Comments:	for OU-2, Sites 105, 109, 111, and 364.
Comments Date:	10011998
Comments:	PEA - PRL5 -- EAFB has adequately investigated the OU-5 NASA Jet
Comments Date:	10011998
Comments:	Propulsion laboratory PRL Sites 195, 200, 201, 243, 289 and 350 (
Comments Date:	10011998
Comments:	collectively, PRL5). DTSC finds that the documents are equivalen
Comments Date:	10011998
Comments:	t to a PEA document. PEA - PRL6 -- EAFB has adequately investig
Comments Date:	10011998
Comments:	ated the OU-2 Old South Base PRL Sites 75, 77, 89, 95, 97 and 99
Comments Date:	10011998
Comments:	(collectively, PRL6). DTSC finds that the documents are equivalen
Comments Date:	10011998
Comments:	t to a PEA document.
Comments Date:	10112001
Comments:	RAW - S426 -- RAP of Edwards Air Force Base operable unit 7, site
Comments Date:	10112001
Comments:	426, includes both the Engineering Evaluation/Cost Analysis and
Comments Date:	10112001
Comments:	Action Memorandum. The selected remedy for the chemical warfare
Comments Date:	10112001
Comments:	site is containment excavation.
Comments Date:	10152004
Comments:	This FS summarizes the backgrounds, plume characteristics, and re
Comments Date:	10152004
Comments:	medial action alternatives evaluated for sites recommended for re
Comments Date:	10152004
Comments:	medial action within Operable Unit 6 (OU-6). The report includes
Comments Date:	10152004
Comments:	preliminary cleanup goals, technical approach comparisons, and c
Comments Date:	10152004
Comments:	ost comparisons of applicable remedial alternatives. Sites in OU
Comments Date:	10152004
Comments:	-6 are not currently used for residential purposes, nor is such u
Comments Date:	10152004
Comments:	se anticipated; therefore, the FS focuses on industrial use consi
Comments Date:	10152004
Comments:	derations. The preferred alternative recommended for the Proposed
Comments Date:	10152004
Comments:	Plan is Source Control and Hydrologic Control with Groundwater M
Comments Date:	10152004
Comments:	onitoring.
Comments Date:	10172000
Comments:	RAW - S133 -- The proposed Interim Removal Action consists of the
Comments Date:	10172000
Comments:	extraction of groundwater contaminated with solvents, primarily
Comments Date:	10172000
Comments:	trichloroethlyene, and treatment by liquid phase granular activat
Comments Date:	10172000
Comments:	ed carbon. Treated effluent will be discharged to the Base's san
Comments Date:	10172000
Comments:	itary sewer system. A total of 43,200 gallons per day of groundw
Comments Date:	10172000

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments:	ater will be extracted and treated.
Comments Date:	12042000
Comments:	RAW - STE25 -- Concurrance on the proposed interim removal action
Comments Date:	12042000
Comments:	to treat groundwater contaminated with telchloroethylene and N-N
Comments Date:	12042000
Comments:	iprosodimethylamine. Extracted groundwater will be treated by ca
Comments Date:	12042000
Comments:	rbon absorption and discharged to EAFB's sanitary sewer.
Comments Date:	12132001
Comments:	PEA - PRL24 - Preliminary Endangerment Assessment (PEA) of Edward
Comments Date:	12132001
Comments:	s Air Force Base, Operable Unit 4, sites 7 and 174 and area of co
Comments Date:	12132001
Comments:	ncern 167, determined that these sites and of concern pose no env
Comments Date:	12132001
Comments:	ironmental or Human Health Threat. This document administratively
Comments Date:	12132001
Comments:	removes these sites from further investigation. PEA - PRL25 --
Comments Date:	12132001
Comments:	Preliminary Endangerment Assessment (PEA) Edwards Air Force Base
Comments Date:	12132001
Comments:	, Operable Unit 7, Sites 295, 434, 435, 436 441 and area of conce
Comments Date:	12132001
Comments:	rn 457, determined that these sites and area of concern pose no E
Comments Date:	12132001
Comments:	nvironmental or Human Health Threat. This document administrative
Comments Date:	12132001
Comments:	ly removes these sites from further investigation. PEA - PRL26
Comments Date:	12132001
Comments:	-- Preliminary Endangerment Assessment (PEA) Edwards Air Force Ba
Comments Date:	12132001
Comments:	se, Operable Unit 9, Site 179, determined that this site poses no
Comments Date:	12132001
Comments:	environmental or Human Health Threat. This document administrati
Comments Date:	12132001
Comments:	vely removes this site from further investigation.
Comments Date:	03292002
Comments:	er Investigation (NFI) documents signed by the Edwards Air Force
Comments Date:	03292002
Comments:	Base Remedial Project Manager for Operable Unit 4 - Air Force Res
Comments Date:	03292002
Comments:	earch Laboratory Site Number 7 and 146, and Area of Concern (AOC)
Comments Date:	03292002
Comments:	Number 167 and 174. The NFI determination for these site-specif
Comments Date:	03292002
Comments:	ic actions means that these Sites/AOCs have been adequately inves
Comments Date:	03292002
Comments:	tigated and that the results justify the determination.
Comments Date:	04212000
Comments:	PEA -- Concurrance provided on PEA equivalent documents for OU-3,
Comments Date:	04212000
Comments:	sites 30,412,413,414, and 415.
Comments Date:	04271999
Comments:	OM - OU-6 -- APPROVAL OF THE O&M PLAN FOR OU-6 SITES, N2, N3 AND
Comments Date:	04271999
Comments:	N7.

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments Date:	05011986
Comments:	Records Search: Military air force base. Contaminants
Comments Date:	05011986
Comments:	include JP-4, benzene, toluene, xylene, TCE, & PCE.
Comments Date:	05071998
Comments:	RAW - SIT9 -- The South Base abandoned landfill has been fenced a
Comments Date:	05071998
Comments:	nd will be monitored. RAW - SIT14 -- Groundwater at Site 14 con
Comments Date:	05071998
Comments:	taminated with petroleum hydrocarbon, volatile organics, and semi
Comments Date:	05071998
Comments:	-volatile organcis will be treated via extraction and treatment b
Comments Date:	05071998
Comments:	y liquid-phase granular activated carbon adsoption, then reinject
Comments Date:	05071998
Comments:	ed into the groundwater aquifer. RAW - S223 -- Petroleum hydroc
Comments Date:	05071998
Comments:	arbon contamination in soil and groundwater will be treated using
Comments Date:	05071998
Comments:	soil vapor extraction/vapor treatment for soils and air sparging
Comments Date:	05071998
Comments:	for groundwater. Monitoring of the system will also be required.
Comments Date:	05132003
Comments:	RA - STE25 -- This report summarizes the operational maintenance
Comments Date:	05132003
Comments:	and system sampling data collected during the period from Decembe
Comments Date:	05132003
Comments:	r 28, 2001 through July 1, 2002 for the Site 25 Groundwater Extra
Comments Date:	05132003
Comments:	ction and Treatment System (GETS), in Operable Unit No. 8. Durin
Comments Date:	05132003
Comments:	g the reporting period, approximately 4,483,000 gallons of ground
Comments Date:	05132003
Comments:	water were extracted and treated by the Site 25 GETS at an averag
Comments Date:	05132003
Comments:	e folwrate of 19.9 gallons per minute. 20.5 pounds (lbs.) of tri
Comments Date:	05132003
Comments:	chloroethene (TCE) were removed from treated groundwater. As of
Comments Date:	05132003
Comments:	July 1, 2002, the GETS removed a cumulative total of 28.7. lbs.
Comments Date:	05132003
Comments:	of TCE from treated groundwater. The treatment system effluent i
Comments Date:	05132003
Comments:	s discharged to the base sanitary sewer under an industrial waste
Comments Date:	05132003
Comments:	water discharge permit issued by Edwards Air Force Base (AFB).
Comments Date:	05311994
Comments:	PPP - DTSC approved a Public Participation Plan (revision) for Ed
Comments Date:	05311994
Comments:	wards Air Force Base.
Comments Date:	06011999
Comments:	RA - S223 -- Implementation of a SVE/Air sparging system to remed
Comments Date:	06011999
Comments:	iate fuel contaminated soil and groundwater.
Comments Date:	06041998
Comments:	RA - SIT29-- Removal action consisted of fencing the site for acc
Comments Date:	06041998

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments:	ess restriction and conducting long - term groundwater monitoring
Comments Date:	06041998
Comments:	.
Comments Date:	06082001
Comments:	PEA - PRL19 -- concurrence provided on PEA equivalent document fo
Comments Date:	06082001
Comments:	r OU4, Site 186.
Comments Date:	06111999
Comments:	RA - SIT14 -- Implementation of a GW extraction/treatment system
Comments Date:	06111999
Comments:	to remediate TCE contaminated GW. System implemented consists of
Comments Date:	06111999
Comments:	4 extraction wells and an above ground treatment system using ca
Comments Date:	06111999
Comments:	rbon adsorption.
Comments Date:	06112001
Comments:	PEA - PRL20 -- Concurrence provided on PEA equivalent documents f
Comments Date:	06112001
Comments:	or OU-5 sites 229, 235, 236, 238, 348, and 349 and AOCs 187, 190-
Comments Date:	06112001
Comments:	192, 230, 246, 251, 253, 281, 283, 287, 288, 403, 420 423.
Comments Date:	06272003
Comments:	RA - S133 -- Construction of the Groundwater Exttraction Treatmen
Comments Date:	06272003
Comments:	t System was completed between 01/09 and 04/18/2001 with testing
Comments Date:	06272003
Comments:	of the system during the week of 04/23/2001 and startup on 04/30/
Comments Date:	06272003
Comments:	2001. The system includes three groundwater extraction wells and
Comments Date:	06272003
Comments:	an aboveground treatment system that uses liquid-phase granular
Comments Date:	06272003
Comments:	activated carbon to remove volatile organic compounds (VOCs) in t
Comments Date:	06272003
Comments:	he extracted groundwater prior to discharge to the Air Force Rese
Comments Date:	06272003
Comments:	arch Laboratory (AFRL) sewage treatment plant. The system is des
Comments Date:	06272003
Comments:	igned for a maximum capacity of 50 gallons per minute (gpm); howe
Comments Date:	06272003
Comments:	ver, the volume of water extracted is limited by a discharge perm
Comments Date:	06272003
Comments:	it to 20 gpm.
Comments Date:	06282002
Comments:	PEA - PRL30 -- No Further Investigation (NFI) documents signed by
Comments Date:	06282002
Comments:	the Edwards Air Force Base Remedial Project Managers for Operabl
Comments Date:	06282002
Comments:	e Unit 7 - Basewide Miscellaneous Area of Concern (AOC) Number 40
Comments Date:	06282002
Comments:	0. The NFI determination for this site-specific action means tha
Comments Date:	06282002
Comments:	t the AOC has been adequately investigated and that the results j
Comments Date:	06282002
Comments:	ustify the determination. PEA - PRL31 -- No Futher Investigatio
Comments Date:	06282002
Comments:	n (NFI) documents signed by the Edwards Air Force Base Remedial P

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Comments Date:	06282002
Comments:	roject Managers for Operable Unit 1 - Main Base Flight Line Site
Comments Date:	06282002
Comments:	Number 65. The NFI determination for this site-specific action m
Comments Date:	06282002
Comments:	eans that the Site has been adequately investigated and that the
Comments Date:	06282002
Comments:	results justify the determination. PEA - PRL32 -- No Further In
Comments Date:	06282002
Comments:	vestigation (NFI) documents signed by the Edwards Air Force Base
Comments Date:	06282002
Comments:	Remedial Project Managers for Operable Unit 2 - Ould South Base S
Comments Date:	06282002
Comments:	ite Number 96. The NFI determination for this site-specific acti
Comments Date:	06282002
Comments:	on means that this Site has been adequately investigated and that
Comments Date:	06282002
Comments:	the results justify the determination.
Comments Date:	06302003
Comments:	OM - S172 -- In January 2000, the Air Force implemented an interi
Comments Date:	06302003
Comments:	m removal action (IRA) consisting of soil vapor extraction (SVE)
Comments Date:	06302003
Comments:	at Site 172, the outdoor waste sump at Building 8595 in Operable
Comments Date:	06302003
Comments:	Uit 4, Air Force Research Laboratory. The primary objective of th
Comments Date:	06302003
Comments:	e IRA at Site 172 is to remove contaminant mass and reduce the fu
Comments Date:	06302003
Comments:	rther migration of volatile organic compounds (VOCs) from contami
Comments Date:	06302003
Comments:	nated soil into the Site 37 groundwater plume. The SVE system op
Comments Date:	06302003
Comments:	erated with one well initially; two more wells were added in Augu
Comments Date:	06302003
Comments:	st 2000. Four additional extraction wells were connected to the s
Comments Date:	06302003
Comments:	ystem, which was brought on line September 12, 2002, extracting v
ID Name:	EPA IDENTIFICATION NUMBER
ID Value:	CA1570024504
ID Name:	BEP DATABASE PCODE
ID Value:	P12020
Alternate Name:	EDWARDS AFB
Alternate Name:	EDWARDS AIR FORCE BASE
Alternate Name:	Not reported
Special Programs Code:	DSMOA
Special Programs Name:	DEFENSE MEMORANDUM OF AGREEMENT

DEED:

Name:	EDWARDS AIR FORCE BASE - IR/MMRP
Address:	470 SQ MI; 60 MI NE OF LOS ANGELES, CA
City,State,Zip:	EDWARDS, CA 93523
Envirostor ID:	15970001
Area:	4A - AFRL AREA
Sub Area:	Not reported
Site Type:	FEDERAL SUPERFUND
Status:	ACTIVE

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 09/26/2007
File Name: Envirostor Land Use Restrictions

Name: EDWARDS AIR FORCE BASE - IR/MMRP
Address: 470 SQ MI; 60 MI NE OF LOS ANGELES, CA
City,State,Zip: EDWARDS, CA 93523
Envirostor ID: 15970001
Area: 6 - OPERABLE UNIT 6, NASA DRYDEN
Sub Area: Not reported
Site Type: FEDERAL SUPERFUND
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 10/19/2006
File Name: Envirostor Land Use Restrictions

ROD:
Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9
Site ID: 902725
Action: FF ESD
Operable Unit Number: AFRL SOIL & DEBRIS (OU 4&9)
SEQ ID: 1
Action Completion: 2013-06-28 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9
Site ID: 902725
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SOUTH BASE
SEQ ID: 1
Action Completion: 2009-06-24 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9
Site ID: 902725
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: BASEWIDE WELLS (HOMESTEAD)
SEQ ID: 2
Action Completion: 2003-09-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9
Site ID: 902725
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SOUTH AFRL GROUNDWATER
SEQ ID: 3
Action Completion: 2007-09-24 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9
Site ID: 902725
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: NASA DRYDEN / ARMSTRONG
SEQ ID: 4
Action Completion: 2006-09-28 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9
Site ID: 902725
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: CHEMICAL WEAPONS MATERIEL
SEQ ID: 5
Action Completion: 2009-09-16 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9
Site ID: 902725
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: AFRL SOIL & DEBRIS (OU 4&9)
SEQ ID: 12
Action Completion: 2008-08-04 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Site ID: 902725
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SITE 3 LANDFILL
SEQ ID: 15
Action Completion: 2012-09-21 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A
City,State,Zip: EDWARDS AFB, CA 93524
EPA ID: CA1570024504
RG: 9
Site ID: 902725
Action: FF ROD Amendment
Operable Unit Number: SOUTH BASE
SEQ ID: 1
Action Completion: 2012-09-27 00:00:00
NPL Status: Final
Non NPL Status: Not reported

RAATS:
Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 1 265.13(A)(3)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: .00
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 5 265.15(B)(2)
Total No Cited: Not reported
Reg Type: CFR

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 6 265.16(A)(3)(V)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 7 265.16(D)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Viol No Cited: 8 265.16(E)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 9 265.32(A)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 10 265.32(B)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 11 265.32(D)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 12 265.33
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 13 265.34(A)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 14 265.35
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 15 265.51(A)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 16 265.73(B)(2)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Docket No:	RCRA 09-89-0003
Region:	09
Issue Date:	06/09/1989
Final Date:	02/09/1989
Status:	Federal Facility Compliance Agreement
Additional:	Not reported
Action ID:	461
Action:	Notice of Non-Compliance
Violation No:	Not reported
Viol No Cited:	17 265.73(B)(3)
Total No Cited:	Not reported
Reg Type:	CFR
Prop. Penalty:	*
Final Penalty:	.00
Total Prop. Penalty:	.00
Comments:	FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No:	1
Facility ID:	CA1570024504
Type:	Not reported
Docket No:	RCRA 09-89-0003
Region:	09
Issue Date:	06/09/1989
Final Date:	02/09/1989
Status:	Federal Facility Compliance Agreement
Additional:	Not reported
Action ID:	461
Action:	Notice of Non-Compliance
Violation No:	Not reported
Viol No Cited:	18 265.72(B)(6)
Total No Cited:	Not reported
Reg Type:	CFR
Prop. Penalty:	*
Final Penalty:	.00
Total Prop. Penalty:	.00
Comments:	FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No:	1
Facility ID:	CA1570024504
Type:	Not reported
Docket No:	RCRA 09-89-0003
Region:	09
Issue Date:	06/09/1989
Final Date:	02/09/1989
Status:	Federal Facility Compliance Agreement
Additional:	Not reported
Action ID:	461
Action:	Notice of Non-Compliance
Violation No:	Not reported
Viol No Cited:	19 265.75
Total No Cited:	Not reported
Reg Type:	CFR
Prop. Penalty:	*
Final Penalty:	.00
Total Prop. Penalty:	.00
Comments:	FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Entry No:	1
Facility ID:	CA1570024504
Type:	Not reported
Docket No:	RCRA 09-89-0003
Region:	09
Issue Date:	06/09/1989
Final Date:	02/09/1989
Status:	Federal Facility Compliance Agreement
Additional:	Not reported
Action ID:	461
Action:	Notice of Non-Compliance
Violation No:	Not reported
Viol No Cited:	20 265.112(B)
Total No Cited:	Not reported
Reg Type:	CFR
Prop. Penalty:	*
Final Penalty:	.00
Total Prop. Penalty:	.00
Comments:	FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No:	1
Facility ID:	CA1570024504
Type:	Not reported
Docket No:	RCRA 09-89-0003
Region:	09
Issue Date:	06/09/1989
Final Date:	02/09/1989
Status:	Federal Facility Compliance Agreement
Additional:	Not reported
Action ID:	461
Action:	Notice of Non-Compliance
Violation No:	Not reported
Viol No Cited:	21 265.118(A)
Total No Cited:	Not reported
Reg Type:	CFR
Prop. Penalty:	*
Final Penalty:	.00
Total Prop. Penalty:	.00
Comments:	FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No:	1
Facility ID:	CA1570024504
Type:	Not reported
Docket No:	RCRA 09-89-0003
Region:	09
Issue Date:	06/09/1989
Final Date:	02/09/1989
Status:	Federal Facility Compliance Agreement
Additional:	Not reported
Action ID:	461
Action:	Notice of Non-Compliance
Violation No:	Not reported
Viol No Cited:	22 265.173
Total No Cited:	Not reported
Reg Type:	CFR
Prop. Penalty:	*
Final Penalty:	.00

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 23 265.173(B)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 24 268.7
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 25 262.34(A)(2)
Total No Cited: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 2 265.13(B)(4)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance
Violation No: Not reported
Viol No Cited: 3 265.14(C)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1
Facility ID: CA1570024504
Type: Not reported
Docket No: RCRA 09-89-0003
Region: 09
Issue Date: 06/09/1989
Final Date: 02/09/1989
Status: Federal Facility Compliance Agreement
Additional: Not reported
Action ID: 461
Action: Notice of Non-Compliance

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Violation No: Not reported
Viol No Cited: 4 265.15(B)(1)
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: .00
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

PRP:
PRP Name: STATE OF CALIFORNIA/DEPT. OF HEALTH SERVICES
STATE OF CALIFORNIA/DEPT. OF HEALTH SERVICES
STATE OF CALIFORNIA/DEPT. OF WATER QUALITY
STATE OF CALIFORNIA/DEPT. OF WATER QUALITY
U.S. AIR FORCE
U.S. AIR FORCE
U.S. EPA

ICIS:
Enforcement Action ID: CAKCAA200135770
FRS ID: 110000908466
Action Name: MSO for NOV# 101515
Facility Name: USAF - FTC EDWARDS
Facility Address: ALL FACILITIES (BEGIN)
EDWARDS, CA 93523
Enforcement Action Type: Administrative Order
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 9661
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.94943
Longitude in Decimal Degrees: -117.8857
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900531
Facility NAICS Code: 927110
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA200135768
FRS ID: 110000908466
Action Name: NOV# 101515
Facility Name: USAF - FTC EDWARDS
Facility Address: ALL FACILITIES (BEGIN)
EDWARDS, CA 93523
Enforcement Action Type: Notice of Violation
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 9661
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.94943
Longitude in Decimal Degrees: -117.8857
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900531
Facility NAICS Code: 927110

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA0000060290053100035
FRS ID: 110000908466
Action Name: USAF - FTC EDWARDS 060290053100035
Facility Name: USAF - FTC EDWARDS
Facility Address: ALL FACILITIES (BEGIN)
EDWARDS, CA 93523
Enforcement Action Type: Notice of Violation
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 9661
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.94943
Longitude in Decimal Degrees: -117.8857
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900531
Facility NAICS Code: 927110
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000155217
Region Code: 09
County Code: CA029
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
D and B Number: Not reported
Facility Site Name: USAF - FTC EDWARDS
Primary SIC Code: 9661
NAICS Code: 927110
Default Air Classification Code: MAJ
Facility Type of Ownership Code: FDF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2008-08-21 00:00:00
Activity Status Date: 2008-09-23 17:19:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 18:59:04
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:00:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:02:28
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2004-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2005-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2005-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2006-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2006-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2007-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2008-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2008-11-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2009-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 18:59:04
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:00:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:02:28
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1987-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1988-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 1988-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1989-07-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1990-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1993-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1993-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1994-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1995-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1996-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1996-10-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1997-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1998-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1999-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1999-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1999-03-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 1999-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2000-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2000-10-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2000-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2000-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2004-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2005-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2005-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2006-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2006-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2007-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2007-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2008-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2008-08-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2008-11-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date: 2009-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-10-02 00:00:00
Activity Status Date: 2016-04-14 19:06:28
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 18:59:04
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:00:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:02:28
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1988-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1990-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 1991-11-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1993-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1994-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1995-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1996-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1996-10-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1997-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1998-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-03-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-10-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2005-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-11-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2016-06-02 00:00:00
Activity Status Date: 2016-06-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 18:59:04
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:00:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:02:28
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2004-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2006-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2006-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2007-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2007-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2008-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2008-11-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2009-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2015-10-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1995-12-14 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-06-06 00:00:00
Activity Status Date: 2015-06-09 13:46:14
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 18:59:04
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:00:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:02:28
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-06-23 00:00:00
Activity Status Date: 2015-09-02 13:17:42
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1976-02-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-07-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-01-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 1982-07-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-08-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-05-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-07-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-09-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-09-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-11-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-08-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-10-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 1999-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-03-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-11-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2009-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-06-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-07-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2014-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-06-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-06-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-08-09 00:00:00
Activity Status Date: 1995-08-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-02 00:00:00
Activity Status Date: 2016-04-14 19:06:28
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-06-06 00:00:00
Activity Status Date: 2015-06-09 13:46:14
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-19 00:00:00
Activity Status Date: 2015-07-03 15:48:16
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-19 00:00:00
Activity Status Date: 2016-07-25 18:30:49
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 18:59:04
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:00:43
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-21 00:00:00
Activity Status Date: 2016-05-12 19:02:28
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-06-23 00:00:00
Activity Status Date: 2015-09-02 13:17:42
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-05-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 1999-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-03-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-04-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-08-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-12-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-02-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-04-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2003-04-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-12-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-04-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-11-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2009-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-05-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-03-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-06-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-07-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-03-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-06-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-06-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Activity Date: 2013-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-06-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-06-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-06-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-06-02 00:00:00
Activity Status Date: 2016-06-02 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900531
Facility Registry ID: 110000908466
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2015-10-15 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

EDWARDS AIR FORCE BASE (Continued) **1000155217**

DOCKET HWC:
Agency: AIR FORCE
Facility ID: CA1570024504
Name: EDWARDS AIR FORCE BASE
Address: AFFTC EDWARDS AFB
City,State,Zip: EDWARDS AFB, CA 93524
Reporting Mechanism: RCRA 3005
Status: On MDL
Added Date: 2/12/1988

ICE:
Envirostor ID: 3000601
Name: EDWARDS AIR FORCE BASE
Address: 5 E POPSON AVE
City,State,Zip: EDWARDS, CA 93524
EPA ID: CA1570024504
Site Type: INSPECTION
Facility Status: No Action

Inspection:
Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/20/2002
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/13/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/12/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/06/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/19/2003
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/04/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/19/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/12/2011

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/27/2000
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/16/1999
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/14/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/30/2009
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 02/07/2007
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/02/2012
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 04/16/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/10/2013
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/18/2014
Violation Class: Class 2
RTC Date: 11/20/2014

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 06/14/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/14/2017
Violation Class: Class 2, Minor
RTC Date: 12/15/2017

EDWARDS AIR FORCE BASE (Continued) **1000155217**

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/20/2016
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 11/26/2018
Violation Class: Minor
RTC Date: 12/04/2018

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/03/2019
Violation Class: Minor
RTC Date: 06/29/2020

PFAS:
Name: EDWARDS AIR FORCE BASE - IR/MMRP
Address: 470 SQ MI; 60 MI NE OF LOS ANGELES
City,State,Zip: EDWARDS, CA 93523
Envirostor ID: 15970001
Program Type: FEDERAL SUPERFUND - LISTED
Status: ACTIVE - LAND USE RESTRICTIONS
Status Date: 05/01/1986
Enviroscreen Score: 46-50%
Site Code: 100052
Global ID: Not reported
Facility Region: Not reported
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: Envirostor
Latitude: 34.906044444
Longitude: -117.88250833
Geo Tracker URL: Not reported

DOD Region **EDWARDS AIR FORCE BASE** **DOD** **CUSA140697**
N/A

Target Property **EDWARDS AIR FORCE BASE (County), CA**

DOD:
Feature 1: Air Force DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: Edwards Air Force Base
Name 2: Not reported
Name 3: Not reported

Focus Map:
****

EDWARDS AIR FORCE BASE (Continued) **CUSA140697**

State: CA
DOD Site: Yes
Tile name: CAKERN

A1 **NORTH EDWARDS WD** **ECHO** **1008039754**
Target Property **EDWARDS, CA 93523** **N/A**

Site 1 of 2 in cluster A

Actual: 2290 ft.
Focus Map: 49

ECHO:
Envid: 1008039754
Registry ID: 110013132387
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110013132387
Name: NORTH EDWARDS WD
Address: Not reported
City,State,Zip: EDWARDS, CA 93523

A2 **EDWARDS AIR FORCE BASE - 7 - AOC 394** **FINDS** **1023241508**
Target Property **EDWARDS AFB, CA 93524** **N/A**

Site 2 of 2 in cluster A

Actual: 2290 ft.
Focus Map: 49

FINDS:
Registry ID: 110013132387

Click Here:

Environmental Interest/Information System:
COMMUNITY WATER SYSTEM
WATER TREATMENT PLANT
Registry ID: 110013131342

Click Here:

Environmental Interest/Information System:
COMMUNITY WATER SYSTEM
WATER TREATMENT PLANT
Registry ID: 110065294363

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B3 **SEGS III-VII** **UST** **U003784983**
Target **41100 HIGHWAY 395** **N/A**
Property **BORON, CA 93516**

Site 1 of 2 in cluster B

Actual: **2458 ft.**
Focus Map: **54**

UST:

Name:	SEGS III-VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Facility ID:	87014100
Permitting Agency:	KERN COUNTY
Latitude:	35.00418
Longitude:	-117.65299

B4 **SEGS III-VII** **AST** **S104770053**
Target **41100 HWY 395** **N/A**
Property **BORON, CA**

Site 2 of 2 in cluster B

Actual: **2458 ft.**
Focus Map: **54**

AST:

Name:	SEGS III-VII
Address:	41100 HWY 395
City/Zip:	BORON,
Certified Unified Program Agencies:	San Bernardino
Owner:	LUZ SOLAR PTNRS VIII & IX
Total Gallons:	179,692
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

C5 **STATE OF CALIFORNIA DOT** **HAZNET** **S124691249**
Target **40716 US HIGHWAY 395** **HWTS** **N/A**
Property **BORON, CA 92401**

Site 1 of 9 in cluster C

Actual: **2470 ft.**
Focus Map: **54**

HAZNET:

Name:	STATE OF CALIFORNIA DOT
Address:	40716 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 92401
Contact:	CALTRANS - MICHAEL YARBROUGH
Telephone:	9093813940
Mailing Name:	Not reported
Mailing Address:	464 W. 4TH STREET
Year:	2018
Gepaid:	CAC002989652
TSD EPA ID:	AZR000520882
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.46000

HWTS:

Name:	STATE OF CALIFORNIA DOT
Address:	40716 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002972588
Inactive Date:	10/24/2018
Create Date:	07/25/2018
Last Act Date:	10/25/2018
Mailing Name:	Not reported
Mailing Address:	464 W. 4TH STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN BERNARDINO, CA 92401
Owner Name:	CALTRANS
Owner Address:	464 W. 4TH STREET
Owner Address 2:	6TH FLOOR
Owner City,State,Zip:	SAN BERNARDINO, CA 92401
Contact Name:	CALTRANS - MICHAEL YARBROUGH
Contact Address:	464 W. 4TH STREET
Contact Address 2:	6TH FLOOR
City,State,Zip:	SAN BERNARDINO, CA 92401

C6 **KRAMER SERVICES** **RCRA NonGen / NLR** **1024767091**
Target **40716 HIGHWAY 395** **CAC002986965**
Property **BORON, CA 93516**

Site 2 of 9 in cluster C

Actual: **2470 ft.**
Focus Map: **54**

RCRA NonGen / NLR:

Date Form Received by Agency:		20181029
Handler Name:	KRAMER SERVICES	
Handler Address:		40716 HIGHWAY 395
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAC002986965

KRAMER SERVICES (Continued) **1024767091**

Contact Name:	JAMES DARR
Contact Address:	40716 HIGHWAY 395
Contact City,State,Zip:	BORON, CA 93516
Contact Telephone:	760-762-5220
Contact Fax:	760-762-8957
Contact Email:	KRAMERSERVICES@YAHOO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	40716 HIGHWAY 395
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	JAMES DARR
Owner Type:	Other
Operator Name:	JAMES DARR
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

KRAMER SERVICES (Continued) **1024767091**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JAMES DARR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	40716 HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-5220
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JAMES DARR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	40716 HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-5220
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20181029
Handler Name: KRAMER SERVICES	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

KRAMER SERVICES (Continued) **1024767091**

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C7 **STATE OF CALIFORNIA DOT** **RCRA NonGen / NLR** **1024769756**
Target **40716 US HIGHWAY 395** **CAC002989652**
Property **BORON, CA 93516**

Site 3 of 9 in cluster C

Actual: **2470 ft.**

Focus Map: **54**

RCRA NonGen / NLR:

Date Form Received by Agency:	20181116
Handler Name:	STATE OF CALIFORNIA DOT
Handler Address:	40716 US HIGHWAY 395
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002989652
Contact Name:	CALTRANS - MICHAEL YARBROUGH
Contact Address:	464 W. 4TH STREET
Contact City,State,Zip:	SAN BERNARDINO, CA 92401
Contact Telephone:	909-381-3940
Contact Fax:	Not reported
Contact Email:	MICHAEL.YARBROUGH@DOT.CA.GOV
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	464 W. 4TH STREET
Mailing City,State,Zip:	SAN BERNARDINO, CA 92401
Owner Name:	CALTRANS CHESTER
Owner Type:	Other
Operator Name:	CALTRANS - MICHAEL YARBROUGH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

STATE OF CALIFORNIA DOT (Continued) **1024769756**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181120
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CALTRANS CHESTER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

STATE OF CALIFORNIA DOT (Continued) **1024769756**

Owner/Operator Address: 464 W. 4TH STREET
Owner/Operator City,State,Zip: SAN BERNARDINO, CA 92401
Owner/Operator Telephone: 909-381-3940
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CALTRANS - MICHAEL YARBROUGH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 464 W. 4TH STREET
Owner/Operator City,State,Zip: SAN BERNARDINO, CA 92401
Owner/Operator Telephone: 909-381-3940
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20181116
Handler Name: STATE OF CALIFORNIA DOT
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 236220
NAICS Description: COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C8 **KRAMER SERVICES** **FINDS** **1024650864**
Target **40716 HIGHWAY 395** **ECHO** **N/A**
Property **BORON, CA 93516**

Site 4 of 9 in cluster C

Actual:
2470 ft.

FINDS:
Registry ID: 110070439251

Focus Map:
54

Click Here:

Environmental Interest/Information System:

KRAMER SERVICES (Continued) **1024650864**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024650864
Registry ID:	110070439251
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070439251
Name:	KRAMER SERVICES
Address:	40716 HIGHWAY 395
City,State,Zip:	BORON, CA 93516

C9 **STATE OF CALIFORNIA DOT** **RCRA NonGen / NLR** **1024752779**
Target Property **40716 US HIGHWAY 395** **CAC002972588**
BORON, CA 93516

Site 5 of 9 in cluster C

Actual: 2470 ft.

Focus Map: 54

RCRA NonGen / NLR:

Date Form Received by Agency:	20180725
Handler Name:	STATE OF CALIFORNIA DOT
Handler Address:	40716 US HIGHWAY 395
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002972588
Contact Name:	CALTRANS - MICHAEL YARBROUGH
Contact Address:	464 W. 4TH STREET
Contact City,State,Zip:	SAN BERNARDINO, CA 92401
Contact Telephone:	909-381-3940
Contact Fax:	Not reported
Contact Email:	MICHAEL.YARBROUGH@DOT.CA.GOV
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	464 W. 4TH STREET
Mailing City,State,Zip:	SAN BERNARDINO, CA 92401
Owner Name:	CALTRANS PARTNERS LP
Owner Type:	Other
Operator Name:	CALTRANS - MICHAEL YARBROUGH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No

STATE OF CALIFORNIA DOT (Continued) **1024752779**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CALTRANS PARTNERS LP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

STATE OF CALIFORNIA DOT (Continued) **1024752779**

Owner/Operator Address:	464 W. 4TH STREET
Owner/Operator City,State,Zip:	SAN BERNARDINO, CA 92401
Owner/Operator Telephone:	909-381-3940
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	CALTRANS - MICHAEL YARBROUGH
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	464 W. 4TH STREET
Owner/Operator City,State,Zip:	SAN BERNARDINO, CA 92401
Owner/Operator Telephone:	909-381-3940
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180725
Handler Name:	STATE OF CALIFORNIA DOT
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

C10 **GRANITE CONSTRUCTION INC** **HAZNET** **S112986142**
Target **40716 US HIGHWAY 395** **HWTS** **N/A**
Property **BORON, CA 93516**

Site 6 of 9 in cluster C

Actual:
2470 ft.

Focus Map:
54

HAZNET:

Name:	GRANITE CONSTRUCTION INC
Address:	40716 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162125
Contact:	ED TRZYNA

GRANITE CONSTRUCTION INC (Continued) **S112986142**

Telephone:	6618109417
Mailing Name:	Not reported
Mailing Address:	213 COLUMBIA WAY
Year:	2011
Gepaid:	CAC002666564
TSD EPA ID:	CAL000282598
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.7

Additional Info:

Year:	2011
Gen EPA ID:	CAC002666564
Shipment Date:	20110510
Creation Date:	6/27/2011 18:30:31
Receipt Date:	20110510
Manifest ID:	008184060JJK
Trans EPA ID:	CAL000268462
Trans Name:	CSI (COLES SERVICES INC)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000282598
Trans Name:	BTI (BAKERSFIELD TRANSFER INC)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.7
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	GRANITE CONSTRUCTION INC
Address:	40716 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162125
EPA ID:	CAC002666564
Inactive Date:	11/03/2011
Create Date:	05/06/2011
Last Act Date:	05/06/2011
Mailing Name:	Not reported
Mailing Address:	213 COLUMBIA WAY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LANCASTER, CA 935355335
Owner Name:	GRANITE CONSTRUCTION INC

GRANITE CONSTRUCTION INC (Continued) **S112986142**

Owner Address: 213 COLUMBIA WAY
Owner Address 2: Not reported
Owner City,State,Zip: LANCASTER, CA 935355335
Contact Name: ED TRZYNA
Contact Address: 213 COLUMBIA WAY
Contact Address 2: Not reported
City,State,Zip: LANCASTER, CA 935355335

C11 **STATE OF CALIFORNIA DOT** **FINDS** **1024619686**
Target **40716 US HIGHWAY 395** **ECHO** **N/A**
Property **BORON, CA 93516**

Site 7 of 9 in cluster C

Actual: **2470 ft.**

FINDS:
Registry ID: 110070408073

Focus Map: **54**

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1024619686
Registry ID: 110070408073
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070408073
Name: STATE OF CALIFORNIA DOT
Address: 40716 US HIGHWAY 395
City,State,Zip: BORON, CA 93516

C12 **KRAMER SERVICES** **HWTS** **S124705192**
Target **40716 HIGHWAY 395** **N/A**
Property **BORON, CA 93516**

Site 8 of 9 in cluster C

Actual: **2470 ft.**

HWTS:
Name: KRAMER SERVICES
Address: 40716 HIGHWAY 395
Address 2: Not reported
City,State,Zip: BORON, CA 93516
EPA ID: CAC002986965
Inactive Date: 01/28/2019
Create Date: 10/29/2018
Last Act Date: 01/29/2019
Mailing Name: Not reported
Mailing Address: 40716 HIGHWAY 395
Mailing Address 2: Not reported
Mailing City,State,Zip: BORON, CA 93516

Focus Map: **54**

KRAMER SERVICES (Continued) **S124705192**

Owner Name:	JAMES DARR
Owner Address:	40716 HIGHWAY 395
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	JAMES DARR
Contact Address:	40716 HIGHWAY 395
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

C13 **STATE OF CALIFORNIA DOT** **HWTS** **S124707797**
Target **40716 US HIGHWAY 395** **N/A**
Property **BORON, CA 93516**

Site 9 of 9 in cluster C

Actual: **2470 ft.**

Focus Map: **54**

HWTS:

Name:	STATE OF CALIFORNIA DOT
Address:	40716 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002989652
Inactive Date:	02/15/2019
Create Date:	11/16/2018
Last Act Date:	02/16/2019
Mailing Name:	Not reported
Mailing Address:	464 W. 4TH STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN BERNARDINO, CA 92401
Owner Name:	CALTRANS
Owner Address:	464 W. 4TH STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN BERNARDINO, CA 92401
Contact Name:	CALTRANS - MICHAEL YARBROUGH
Contact Address:	464 W. 4TH STREET
Contact Address 2:	Not reported
City,State,Zip:	SAN BERNARDINO, CA 92401

NAICS:

EPA ID:	CAC002989652
Create Date:	2018-11-16 13:37:16.193
NAICS Code:	236220
NAICS Description:	Commercial and Institutional Building Construction
Issued EPA ID Date:	2018-11-16 13:37:16.19300
Inactive Date:	2019-02-15 13:37:16.17700
Facility Name:	STATE OF CALIFORNIA DOT
Facility Address:	40716 US HIGHWAY 395
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

EPA ID:	CAC002989652
Create Date:	2018-11-16 13:37:16.193
NAICS Code:	236220
NAICS Description:	Commercial and Institutional Building Construction
Issued EPA ID Date:	2018-11-16 13:37:16.19300
Inactive Date:	2019-02-15 13:37:16.17700

STATE OF CALIFORNIA DOT (Continued) **S124707797**

Facility Name:	STATE OF CALIFORNIA DOT
Facility Address:	40716 US HIGHWAY 395
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

14
SW
< 1/8
0.013 mi.
67 ft.

Actual:
2360 ft.

Focus Map:
30

CALIFORNIA CITY BLVD AND FORREST
CALIFORNIA CITY, CA

CHMIRS **S117330665**
N/A

CHMIRS:

Name:	Not reported
Address:	CALIFORNIA CITY BLVD AND FORREST
City,State,Zip:	CALIFORNIA CITY, CA
OES Incident Number:	4-3834
OES notification:	07/08/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Road
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM

(Continued) **S117330665**

Measure:	Gal(s)
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	654
Year:	2014
Agency:	CHP
Incident Date:	7/8/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Hydraulic Fluid Unk
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Collision
Fatals:	No
Comments:	Not reported
Description:	RP states that a big rig overturned resulting in the release of an unknown amount of Diesel and Hydraulic Fluid onto the ground. No waterways were impacted or threatened to be impacted.

D15 **BEECHERS CORNER** **SWEEPS UST** **S101620890**
WSW **JCT HWYS 58 & 395** **CA FID UST** **N/A**
< 1/8 **BORON, CA 93516**
0.013 mi.
71 ft. **Site 1 of 19 in cluster D**

Actual:
2477 ft.

Focus Map:
54

SWEEPS UST:

Name:	BEECHERS CORNER
Address:	JCT HWYS 58 & 395
City:	BORON
Status:	Active
Comp Number:	68110
Number:	9
Board Of Equalization:	44-006575
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	09-30-89
Owner Tank Id:	1
SWRCB Tank Id:	15-000-068110-000001
Tank Status:	A
Capacity:	1000

BEECHERS CORNER (Continued) **S101620890**

Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: 2

Name: BEECHERS CORNER
Address: JCT HWYS 58 & 395
City: BORON
Status: Active
Comp Number: 68110
Number: 9
Board Of Equalization: 44-006575
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 09-30-89
Owner Tank Id: 2
SWRCB Tank Id: 15-000-068110-000002
Tank Status: A
Capacity: 2000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 15005181
Regulated By: UTNKA
Regulated ID: 00068110
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 6197625258
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: BORON 93516
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

---

16 **KRAMER SERVICES CORPORATION** **EDR Hist Auto** **1021725104**
ENE **40808 W US HIGHWAY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.014 mi.
75 ft.

Actual:
2463 ft.

EDR Hist Auto

Focus Map:
54

Year:	Name:	Type:
2000	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2001	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2002	KRAMER SERVICES CORPORATION	Gasoline Service Stations

KRAMER SERVICES CORPORATION (Continued) **1021725104**

2003	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2004	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2004	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2005	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2005	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2006	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2006	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2007	KRAMER SERVICES CORPORATION	Gasoline Service Stations, NEC
2007	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2008	KRAMER SERVICES CORPORATION	Gasoline Service Stations, NEC
2008	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2009	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2009	KRAMER SERVICES CORPORATION	Gasoline Service Stations, NEC
2010	KRAMER SERVICES CORPORATION	Gasoline Service Stations, NEC
2010	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2011	KRAMER SERVICES CORPORATION	Gasoline Service Stations, NEC
2011	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2012	KRAMER SERVICES CORPORATION	Gasoline Service Stations, NEC
2012	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2013	KRAMER SERVICES CORPORATION	Gasoline Service Stations, NEC
2013	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2014	KRAMER SERVICES CORPORATION	Gasoline Service Stations, NEC
2014	KRAMER SERVICES CORPORATION	Gasoline Service Stations

D17 **UNICOR FEDERAL PRISON INDUSTRIES** **RCRA NonGen / NLR** **1000180211**
WSW **HWY 395 SIX MILES NORTH HWY 58** **CA8151990175**
< 1/8 **BORON, CA 93516**
0.015 mi.
80 ft. **Site 2 of 19 in cluster D**

Actual:
2479 ft.

Focus Map:
54

RCRA NonGen / NLR:

Date Form Received by Agency:	20000925
Handler Name:	UNICOR FEDERAL PRISON INDUSTRIES
Handler Address:	HWY 395 SIX MILES NORTH HWY 58
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CA8151990175
Contact Name:	RON ALEXANDER
Contact Address:	P O BOX 500
Contact City,State,Zip:	BORON, CA 93516
Contact Telephone:	760-246-2635
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Federal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 500
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	UNITED STATES GOVERNMENT
Owner Type:	Federal
Operator Name:	Not reported
Operator Type:	Not reported

UNICOR FEDERAL PRISON INDUSTRIES (Continued) **1000180211**

Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The land is federally-owned, The site is federally-owned
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

UNICOR FEDERAL PRISON INDUSTRIES (Continued) **1000180211**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	UNITED STATES GOVERNMENT
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name:	UNICOR FEDERAL PRISON INDUSTRIES
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20000925
Handler Name:	UNICOR FEDERAL PRISON INDUSTRIES
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19941209
Handler Name:	UNICOR FEDERAL PRISON INDUSTRIES INC
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported

UNICOR FEDERAL PRISON INDUSTRIES (Continued) **1000180211**

Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: FEDERAL PRISON CAMP BORON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: FEDERAL PRISON CAMP BORON
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 92214
NAICS Description: CORRECTIONAL INSTITUTIONS

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported

UNICOR FEDERAL PRISON INDUSTRIES (Continued) **1000180211**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19970626
Evaluation Responsible Agency:	EPA
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

D18 **ERNS 8719608**
WSW **BLOUGNT INTERNATIONAL LTD CORNER OF HWY 58 & 395 KRAMMER JUN** **N/A**
< 1/8 **BORON, CA**
0.016 mi.
82 ft. **Site 3 of 19 in cluster D**

Actual:
2479 ft.

Focus Map:
54

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

D19
WSW
< 1/8
0.016 mi.
82 ft.

Actual:
2479 ft.

Focus Map:
54

BLOUNT INTL/HWY 58X HWY 395
BORON, CA

Site 4 of 19 in cluster D

ERNS **8720572**
N/A

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

20
ENE
< 1/8
0.018 mi.
94 ft.

Actual:
2475 ft.

Focus Map:
54

CALTRANS BEECHERS MAINTENANCE STATION
40400 JCT US 395
BORON, CA 9351

SWF/LF **S111290842**
CERS **N/A**

SWF/LF (SWIS):

Name:	CALTRANS BEECHERS MAINTENANCE STATION
Address:	40400 JCT US 395
City,State,Zip:	BORON, CA 9351
Region:	STATE
Facility ID:	36-AA-0468
SWIS Number:	36-AA-0468
Point of Contact:	Megan Emslander
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	Mojave Desert
SWRCB Region:	Lahontan
Local Government:	San Bernardino County (Unincorporated)
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services
Regulation Status:	Notification

Activity:

SWIS Number:	36-AA-0468
Site Name:	Caltrans Beechers Maintenance Station
Activity:	Limited Volume Transfer Operation
Activity Is Archived:	No
Category:	Transfer/Processing
Activity Classification:	Solid Waste Operation
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Quarterly
Throughput:	60
Throughput Units:	Cubic Yards per Day
Remaining Capacity:	Not reported

CALTRANS BEECHERS MAINTENANCE STATION (Continued) **S111290842**

Remaining Capacity Date:	Not reported
Capacity:	15600
Capacity Units:	Cubic Yards per year
Total Acreage:	7.2
Disposal Acreage:	Not reported
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Megan Emslander
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
County:	San Bernardino
ARB District:	Mojave Desert
SWRCB Region:	Lahontan
Local Government:	San Bernardino County (Unincorporated)
Street Address:	40400 Jct US 395
City:	Boron
State:	CA
ZIP Code:	9351
Reporting Agency Legal Name:	County of San Bernardino
Reporting Agency Department:	Div. of Environmental Health Services
Enforcing Agency Legal Name:	County of San Bernardino
Enforcing Agency Department:	Div. of Environmental Health Services

Operator:

SWIS Number:	36-AA-0468
Site Name:	Caltrans Beechers Maintenance Station
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.9926
Longitude:	-117.54209
Is Archived:	No
Operator:	Beechers Maintenance Crew 08-614
Started On:	9/16/2011
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(760) 762-5258
Street Address:	40400 Jct US 395
Operator City:	Boron
Operator State:	CA
Operator Zip:	93516

Owner:

SWIS Number:	36-AA-0468
Owner:	Caltrans North District 8

CALTRANS BEECHERS MAINTENANCE STATION (Continued) **S111290842**

Owner Address:	175 W. Cluster St.
Owner City:	San Bernardino
Owner State:	CA
Owner Zip:	92408
Site Name:	Caltrans Beechers Maintenance Station
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	34.9926
Longitude:	-117.54209
Is Archived:	No
Started On:	9/16/2011
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(909) 383-4268

Waste:

SWIS Number:	36-AA-0468
Site Name:	Caltrans Beechers Maintenance Station
Activity:	Limited Volume Transfer Operation
Waste Type:	Mixed municipal
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Megan Emslander
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Operation

SWIS Number:	36-AA-0468
Site Name:	Caltrans Beechers Maintenance Station
Activity:	Limited Volume Transfer Operation
Waste Type:	Tires
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Megan Emslander
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Notification
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Operation

CERS:

Name:	CALTRANS BEECHERS MAINTENANCE STATION
Address:	40400 JCT US 395
City,State,Zip:	BORON, CA
Site ID:	507394
CERS ID:	36-AA-0468
CERS Description:	Solid Waste and Recycle Sites

CALTRANS BEECHERS MAINTENANCE STATION (Continued) **S111290842**

Affiliation:

Affiliation Type Desc:	Legal Operator
Entity Name:	Beechers Maintenance Crew 08-614
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	7607625258

Affiliation Type Desc:	Legal Owner
Entity Name:	Caltrans North District 8
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92408
Affiliation Phone:	9093834268

D21 **BOB'S CHEVRON** **SWEEPS UST** **S101591573**
WSW **SR395/HWY 58 KMR JCT** **CA FID UST** **N/A**
< 1/8 **BORON, CA 93516**
0.019 mi.
99 ft. **Site 5 of 19 in cluster D**

Actual:
2477 ft.

Focus Map:
54

SWEEPS UST:

Name:	BOB'S CHEVRON
Address:	SR395/HWY 58 KMR JCT
City:	BORON
Status:	Active
Comp Number:	8333
Number:	1
Board Of Equalization:	Not reported
Referral Date:	07-28-92
Action Date:	07-28-92
Created Date:	09-13-88
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-008333-000001
Tank Status:	A
Capacity:	1
Active Date:	09-13-88
Tank Use:	UNKNOWN
STG:	P
Content:	UNKNOWN
Number Of Tanks:	3

Name:	BOB'S CHEVRON
Address:	SR395/HWY 58 KMR JCT
City:	BORON
Status:	Active
Comp Number:	8333
Number:	1
Board Of Equalization:	Not reported
Referral Date:	07-28-92

BOB'S CHEVRON (Continued) **S101591573**

Action Date: 07-28-92
Created Date: 09-13-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008333-000002
Tank Status: A
Capacity: 1
Active Date: 09-13-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

Name: BOB'S CHEVRON
Address: SR395/HWY 58 KMR JCT
City: BORON
Status: Active
Comp Number: 8333
Number: 1
Board Of Equalization: Not reported
Referral Date: 07-28-92
Action Date: 07-28-92
Created Date: 09-13-88
Owner Tank Id: Not reported
SWRCB Tank Id: 36-000-008333-000003
Tank Status: A
Capacity: 1
Active Date: 09-13-88
Tank Use: UNKNOWN
STG: P
Content: UNKNOWN
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 36008432
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: SR395/HWY 58 KMR JCT
Mailing Address 2: Not reported
Mailing City,St,Zip: BORON 93516
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

22
North
< 1/8
0.020 mi.
103 ft.

NEWD WATER SYSTEM IMPROVEMENTS PROJECT
13009 DAVENPORT STREET
NORTH EDWARDS, CA 93523

CIWQS **S116497885**
N/A

Actual:
2290 ft.

Focus Map:
49

CIWQS:

Name:	NEWD WATER SYSTEM IMPROVEMENTS PROJECT
Address:	13009 DAVENPORT STREET
City,State,Zip:	NORTH EDWARDS, CA 93523
Agency:	North Edwards Water District
Agency Address:	13525 Fran Street, North Edwards, CA 93523
Place/Project Type:	Construction - Below Ground, Other Linear: Water well, Treatment Vessels, and Storage Tanks installation
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C369552
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	04/25/2014
Termination Date:	03/01/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.01404
Longitude:	-117.8414

E23
ENE
< 1/8
0.021 mi.
112 ft.

SEGS III-VII KRAMER JUNCTION
41100 HWY 395
BORON, CA 93516
Site 1 of 62 in cluster E

WDS **S105255590**
N/A

Actual:
2452 ft.

Focus Map:
54

WDS:

Name:	SEGS III-VII KRAMER JUNCTION
Address:	41100 HWY 395
City:	BORON
Facility ID:	South Lahontan 364550002
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	7607625562
Facility Contact:	DAVID RIB
Agency Name:	KRAMER JUNCTION CO
Agency Address:	41100 HWY 395

SEGS III-VII KRAMER JUNCTION (Continued) **S105255590**

Agency City,St,Zip:	BORON 93516
Agency Contact:	DAVID RIB
Agency Telephone:	7607625562
Agency Type:	Private
SIC Code:	4911
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	NONCON
Waste Type2:	Not reported
Waste2:	Cooling Water: Noncontact
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

E24 **SEGS 3-7 BIOREMEDIATION FAC.** **WDS** **S101854367**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 2 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

WDS:

Name:	SEGS 3-7 BIOREMEDIATION FAC.
Address:	41100 HWY 395
City:	BORON
Facility ID:	South Lahontan 368909005
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	7607625562
Facility Contact:	DAVID RIB
Agency Name:	KJC OPERATING CO

SEGS 3-7 BIOREMEDIATION FAC. (Continued) **S101854367**

Agency Address:	41100 HWY 395
Agency City,St,Zip:	BORON 93516
Agency Contact:	DAVID RIB
Agency Telephone:	7607625562
Agency Type:	Private
SIC Code:	4961
SIC Code 2:	Not reported
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste:	SLDWST
Waste Type2:	Not reported
Waste2:	Solid Wastes
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

E25 **KRAMER JUNCTION COMPANY** **LDS** **S104575268**
ENE **41100 HIGHWAY 395** **EMI** **N/A**
< 1/8 **BORON, CA 93516** **ENF**
0.021 mi. **San Bern. Co. Permit**
112 ft. **Site 3 of 62 in cluster E** **CIWQS**

Actual:
2452 ft.

Focus Map:
54

LDS:

Name:	SEGS 3-7: THREE SURFACE IMPOUNDMENTS
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Global Id:	L10006039286
Latitude:	35.01193
Longitude:	-117.5494
Case Type:	Land Disposal Site
Status:	Open
Status Date:	01/01/1965
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	Not reported
Local Agency:	Not reported

KRAMER JUNCTION COMPANY (Continued) **S104575268**

RB Case Number: 6B364550002
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: L10006039286
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Name: SEGS 3-7: BIOREMEDIATION UNIT AND LANDFARM
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516

Global Id: L10006183000
Latitude: 35.01794
Longitude: -117.5689
Case Type: Land Disposal Site
Status: Open
Status Date: 01/01/1965
Lead Agency: LAHONTAN RWQCB (REGION 6V)
Caseworker: Not reported
Local Agency: Not reported
RB Case Number: 6B368909005
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: L10006183000
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Name: SEGS X
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516

Global Id: L10008091929
Latitude: 35.03259
Longitude: -117.3358
Case Type: Land Disposal Site
Status: Completed - Case Closed
Status Date: 03/11/1993
Lead Agency: LAHONTAN RWQCB (REGION 6V)
Caseworker: Not reported
Local Agency: Not reported
RB Case Number: 6B369101009
LOC Case Number: Not reported
File Location: State Records Center
Potential Media Affect: Not reported
EDR Link ID: L10008091929
Potential Contaminants of Concern: Not reported
Site History: Not reported

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Click here to access the California GeoTracker records for this facility:

EMI:

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	1993
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	76
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	65
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	1995
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	76
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	65
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	1996
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	76
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	65
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	1997
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	76
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	65
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	1998
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	76
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	65
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	1999
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	76
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	65
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	2000
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	31
Reactive Organic Gases Tons/Yr:	29
Carbon Monoxide Emissions Tons/Yr:	76
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	65
Part. Matter 10 Micrometers and Smllr Tons/Yr:	31

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	2001
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	15
Carbon Monoxide Emissions Tons/Yr:	18
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	37
Part. Matter 10 Micrometers and Smllr Tons/Yr:	19

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	2002
County Code:	36
Air Basin:	MD
Facility ID:	27700941

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	15
Carbon Monoxide Emissions Tons/Yr:	18
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	37
Part. Matter 10 Micrometers and Smllr Tons/Yr:	19

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	2003
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21
Reactive Organic Gases Tons/Yr:	15
Carbon Monoxide Emissions Tons/Yr:	18
NOX - Oxides of Nitrogen Tons/Yr:	62
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	37
Part. Matter 10 Micrometers and Smllr Tons/Yr:	19

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	2004
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	21.47
Reactive Organic Gases Tons/Yr:	15.26598
Carbon Monoxide Emissions Tons/Yr:	18.04
NOX - Oxides of Nitrogen Tons/Yr:	62.05
SOX - Oxides of Sulphur Tons/Yr:	0.5
Particulate Matter Tons/Yr:	37.43
Part. Matter 10 Micrometers and Smllr Tons/Yr:	19.0769

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2009

KRAMER JUNCTION COMPANY (Continued) **S104575268**

County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.738
Reactive Organic Gases Tons/Yr:	11.4338096
Carbon Monoxide Emissions Tons/Yr:	8.1899999999999995
NOX - Oxides of Nitrogen Tons/Yr:	53.810000000000002
SOX - Oxides of Sulphur Tons/Yr:	0.5
Particulate Matter Tons/Yr:	34.18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	24.319839999999999

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2010
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	16.753340000000001
Reactive Organic Gases Tons/Yr:	10.089817322
Carbon Monoxide Emissions Tons/Yr:	6.2846000000000002
NOX - Oxides of Nitrogen Tons/Yr:	36.220100000000002
SOX - Oxides of Sulphur Tons/Yr:	0.354978772
Particulate Matter Tons/Yr:	29.40842
Part. Matter 10 Micrometers and Smllr Tons/Yr:	20.847981919999999

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2011
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.10482
Reactive Organic Gases Tons/Yr:	11.1032032
Carbon Monoxide Emissions Tons/Yr:	7.5
NOX - Oxides of Nitrogen Tons/Yr:	50.0694
SOX - Oxides of Sulphur Tons/Yr:	0.4719715075
Particulate Matter Tons/Yr:	29.78847
Part. Matter 10 Micrometers and Smllr Tons/Yr:	21.22472592

KRAMER JUNCTION COMPANY (Continued) **S104575268**

ENF:

Name:	SEGS 3-7 BIOREMEDIATION UNIT & LANDFARM
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	256223
Agency Name:	KJC Operating Company
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4961
SIC Desc 1:	Steam and Air-Conditioning Supply
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B368909005
Reg Measure Id:	146822
Reg Measure Type:	WDR
Region:	Not reported
Order #:	95-102
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/07/2016
Effective Date:	09/14/1995
Expiration/Review Date:	09/14/2020
Termination Date:	Not reported

KRAMER JUNCTION COMPANY (Continued) **S104575268**

WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	219255
Region:	Not reported
Order / Resolution Number:	93-084
Enforcement Action Type:	Cease and Desist Order
Effective Date:	08/12/1993
Adoption/Issuance Date:	Not reported
Achieve Date:	2/1/1994
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B368909005
Description:	THREATENING TO DISCH WASTES IN VIOL OF WDR 90-024 FOR BIOREMEDIATION FACILITY
Program:	LNDISP
Latest Milestone Completion Date:	2/1/1994
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SEGS 3-7 BIOREMEDIATION UNIT & LANDFARM
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	256223
Agency Name:	KJC Operating Company
Place Type:	Utility
Place Subtype:	Power Plant
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4961
SIC Desc 1:	Steam and Air-Conditioning Supply
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported

KRAMER JUNCTION COMPANY (Continued) **S104575268**

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0001
Threat To Water Quality:	2
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B368909005
Reg Measure Id:	146822
Reg Measure Type:	WDR
Region:	Not reported
Order #:	95-102
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/07/2016
Effective Date:	09/14/1995
Expiration/Review Date:	09/14/2020
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	219253
Region:	Not reported
Order / Resolution Number:	94-064
Enforcement Action Type:	Cease and Desist Order
Effective Date:	05/19/1994
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B368909005
Description:	RESCISSION OF CDO; DISCHARGING AND THREATENING TO DISCHARGE

KRAMER JUNCTION COMPANY (Continued) **S104575268**

	WASTE IN VIOLATION OF WDR'S
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SEGS 3-7 THREE SURFACE IMPOUNDMENTS
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	256225
Agency Name:	Kramer Junction Company
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.365
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B364550002
Reg Measure Id:	147587
Reg Measure Type:	WDR
Region:	Not reported
Order #:	97-058
Npdes# CA#:	Not reported

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/07/2016
Effective Date:	04/03/1997
Expiration/Review Date:	04/03/2020
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	244848
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	01/19/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	1/29/2001
Termination Date:	01/19/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B364550002
Description:	On 1-18-01, @F 1700 hrs., approx. 300 gals. Of heat transfer fluid (biphenyl-depnenyl oxide) spilled to soil at the SEGS III-VII facility due to a weather-related crack in piping. This spill is in violation of section II.A.3 in BO 6-97-058.
Program:	LNDISP
Latest Milestone Completion Date:	1/29/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SEGS 3-7 THREE SURFACE IMPOUNDMENTS
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	256225
Agency Name:	Kramer Junction Company
Place Type:	Facility
Place Subtype:	Not reported

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4911
SIC Desc 1:	Electric Services
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.365
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Cooling water: Noncontact
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B364550002
Reg Measure Id:	147587
Reg Measure Type:	WDR
Region:	Not reported
Order #:	97-058
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	06/07/2016
Effective Date:	04/03/1997
Expiration/Review Date:	04/03/2020
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Direction/Voice:	Passive
Enforcement Id(EID):	243700
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	01/31/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	2/2/2000
Termination Date:	01/31/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B364550002
Description:	2nd S-A 99 SMR received 3 days late
Program:	LNDISP
Latest Milestone Completion Date:	2/2/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	SEGS X HARPER LAKE
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	256228
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	4961
SIC Desc 1:	Steam and Air-Conditioning Supply
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	219470
Region:	Not reported
Order / Resolution Number:	92-111
Enforcement Action Type:	Admin Civil Liability
Effective Date:	11/12/1992
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B369101009
Description:	FAILURE TO PAY ANNUAL FEE. RB POLICY-NOT TO ENFORCE NONPAYMENT OF ANNUAL FEE
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	2900
Initial Assessed Amount:	0
Liability $ Amount:	2900
Project $ Amount:	0
Liability $ Paid:	2900
Project $ Completed:	0

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Total $ Paid/Completed Amount: 2900

San Bern. Co. Permit:
Name: SCE - SEGS 5 SUBSTATION
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0014949
Owner: Southern California Edison
Permit Number: PT0026169
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: INACTIVE
Expiration Date: 04/30/2016

Name: SCE - SEGS 5 SUBSTATION
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0014949
Owner: Southern California Edison
Permit Number: PT0032813
Permit Category: APSA EXEMPT
Facility Status: INACTIVE
Expiration Date: 04/30/2016

Name: SCE - SEGS 4 SUBSTATION
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0014948
Owner: Southern California Edison
Permit Number: PT0032806
Permit Category: APSA EXEMPT
Facility Status: INACTIVE
Expiration Date: 04/30/2016

Name: SCE - SEGS 4 SUBSTATION
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0014948
Owner: Southern California Edison
Permit Number: PT0026168
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: INACTIVE
Expiration Date: 04/30/2016

Name: SCE - SEGS 6 SUBSTATION
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0014950
Owner: Southern California Edison
Permit Number: PT0026167
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: INACTIVE
Expiration Date: 04/30/2016

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Name: SCE - SEGS 6 SUBSTATION
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0014950
Owner: Southern California Edison
Permit Number: PT0032817
Permit Category: APSA EXEMPT
Facility Status: INACTIVE
Expiration Date: 04/30/2016

Name: SCE - SEGS 7 SUBSTATION
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0014951
Owner: Southern California Edison
Permit Number: PT0032820
Permit Category: APSA EXEMPT
Facility Status: INACTIVE
Expiration Date: 04/30/2016

Name: SCE - SEGS 7 SUBSTATION
Address: 41100 HWY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0014951
Owner: Southern California Edison
Permit Number: PT0026171
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: INACTIVE
Expiration Date: 04/30/2016

CIWQS:

Name:	SEGS 3-7 BIOREMEDIATION UNIT & LANDFARM
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Agency:	KJC Operating Company
Agency Address:	41100 Hwy 395, Boron, CA 93516
Place/Project Type:	Power Plant
SIC/NAICS:	4961
Region:	6V
Program:	LNDISP, LNDISPOTH
Regulatory Measure Status:	Active
Regulatory Measure Type:	WDR
Order Number:	95-102
WDID:	6B368909005
NPDES Number:	Not reported
Adoption Date:	09/14/1995
Effective Date:	09/14/1995
Termination Date:	Not reported
Expiration/Review Date:	09/14/2020
Design Flow:	0.0001
Major/Minor:	Not reported
Complexity:	A
TTWQ:	2
Enforcement Actions within 5 years:	0

KRAMER JUNCTION COMPANY (Continued) **S104575268**

Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported
Name:	SEGS 3-7 THREE SURFACE IMPOUNDMENTS
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Agency:	Kramer Junction Company
Agency Address:	41100 Hwy 395, Boron, CA 93516
Place/Project Type:	Other
SIC/NAICS:	4911
Region:	6V
Program:	LNDISP, LNDISPOTH
Regulatory Measure Status:	Active
Regulatory Measure Type:	WDR
Order Number:	97-058
WDID:	6B364550002
NPDES Number:	Not reported
Adoption Date:	04/03/1997
Effective Date:	04/03/1997
Termination Date:	Not reported
Expiration/Review Date:	04/03/2020
Design Flow:	0.365
Major/Minor:	Not reported
Complexity:	B
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported
Name:	SEGS X HARPER LAKE
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Agency:	Briggs & Company
Agency Address:	2800 28th Street 250, Santa Monica, CA 90405
Place/Project Type:	Other
SIC/NAICS:	4961
Region:	6V
Program:	LNDISP
Regulatory Measure Status:	Historical
Regulatory Measure Type:	WDR
Order Number:	93-021
WDID:	6B369101009
NPDES Number:	Not reported
Adoption Date:	03/11/1993
Effective Date:	03/11/1993
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	0.12
Major/Minor:	Not reported
Complexity:	B
TTWQ:	2
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

E26
ENE
< 1/8
0.021 mi.
112 ft.

41100 HY 395
BORON, CA 93516

Site 4 of 62 in cluster E

ERNS **92125880**
N/A

Actual:
2452 ft.

Focus Map:
54

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

E27
ENE
< 1/8
0.021 mi.
112 ft.

SEGS X HARPER LAKE
41100 HWY 395
BORON CA, CA 93516

Site 5 of 62 in cluster E

WMUDS/SWAT **S104156544**
N/A

Actual:
2452 ft.

Focus Map:
54

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	NONCON
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	BRIGGS & COMPANY
Agency Department:	Not reported
Agency Address:	2800 28TH ST STE 250
Agency City,St,Zip:	SANTA MONICA CA 90405
Agency Contact:	SAM BIGGS - TRUSTEE
Agency Telephone:	2132087444
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	6V
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water

SEGS X HARPER LAKE (Continued) **S104156544**

	pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4961
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	True
Regional Board Project Officer:	JWC
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	H
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	6B369101009
Solid Waste Information ID:	Not reported

E28 **SEGS III-VII KRAMER JUNCTION** **WMUDS/SWAT** **S104156542**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON CA, CA 93516**
0.021 mi.
112 ft. **Site 6 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	NONCON
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private

SEGS III-VII KRAMER JUNCTION (Continued) **S104156542**

Agency Name:	KRAMER JUNCTION CO
Agency Department:	Not reported
Agency Address:	41100 HWY 395
Agency City,St,Zip:	BORON CA 93516
Agency Contact:	DAVID RIB
Agency Telephone:	7607625562
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	6V
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4911
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	True
Regional Board Project Officer:	JJK
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Semiannual Submittal
Waste Discharge System ID:	6B364550002
Solid Waste Information ID:	Not reported

E29 **SEGS 3-7 BIOREMEDIATION FAC.** **WMUDS/SWAT** **S104156543**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON CA, CA 93516**
0.021 mi.
112 ft. **Site 7 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility

SEGS 3-7 BIOREMEDIATION FAC. (Continued) **S104156543**

	(particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Primary Waste:	SLDWST
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	KJC OPERATING CO
Agency Department:	Not reported
Agency Address:	41100 HWY 395
Agency City,St,Zip:	BORON CA 93516
Agency Contact:	DAVID RIB
Agency Telephone:	7607625562
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	6V
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	4961
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	True
Regional Board Project Officer:	CCS

SEGS 3-7 BIOREMEDIATION FAC. (Continued) **S104156543**

Number of WMUDS at Facility: 1
Section Range: Not reported
RCRA Facility: No
Waste Discharge Requirements: A
Self-Monitoring Rept. Frequency: Quarterly Submittal
Waste Discharge System ID: 6B368909005
Solid Waste Information ID: Not reported

E30 **SEGS III-VII** **FINDS** **1023289776**
ENE **41100 US HIGHWAY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 8 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

FINDS:
Registry ID: 110070737651

Click Here:

Environmental Interest/Information System:
HAZARDOUS WASTE BIENNIAL REPORTER
Registry ID: 110065811447

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

E31 **CHMIRS** **S105667607**
ENE **41100 HWY 395** **N/A**
< 1/8 **UNINCORPORATED COUNTY AREA, CA 93516**
0.021 mi.
112 ft. **Site 9 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CHMIRS:
Name: Not reported
Address: 41100 HWY 395
City,State,Zip: UNINCORPORATED COUNTY AREA, CA 93516
OES Incident Number: 0-2141
OES notification: 05/15/2000
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported

(Continued) **S105667607**

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	KJC Operating Co
Incident Date:	5/15/200012:00:00 AM
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Heat Transfer fluid (Therminal0
Gallons:	200
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A coupling near SEGS 5 developed a flang leak near the pump allowing the leak of vapors and momentarily caught fire. Fire was controled by on site personnel. Fire De[partment is on scene as standby

E32 **LUZ SOLAR PARTNERS LTD VI** **HAZNET** **S113022270**
ENE **41100 US HIGHWAY 395** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 10 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HAZNET:

Name:	LUZ SOLAR PARTNERS LTD VI
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
Contact:	GLEN T. KING
Telephone:	7607625562
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Year:	2006
Gepaid:	CAL000001784
TSD EPA ID:	CAL000175030
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	T01 - Treatment, Tank
Tons:	0.0068
Year:	2006
Gepaid:	CAL000001784
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	15.2
Year:	2005
Gepaid:	CAL000001784
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	29.498
Year:	2005
Gepaid:	CAL000001784
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	35.34
Year:	2004
Gepaid:	CAL000001784
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	15.1704
Year:	2003
Gepaid:	CAL000001784
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	10.26
Year:	2003

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Gepaid:	CAL000001784
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	8.428
Year:	2002
Gepaid:	CAL000001784
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856
Year:	2001
Gepaid:	CAL000001784
TSD EPA ID:	CAD980675276
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856
Year:	1999
Gepaid:	CAL000001784
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	12.642

Click this hyperlink while viewing on your computer to access
13 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2004
Gen EPA ID:	CAL000001784
Shipment Date:	20041130
Creation Date:	3/13/2007 18:30:42
Receipt Date:	20041130
Manifest ID:	20771525
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000001784
Shipment Date:	20031118
Creation Date:	8/24/2004 10:00:04
Receipt Date:	20031118
Manifest ID:	99382299
Trans EPA ID:	CAD004778742
Trans Name:	STURGEON & SON INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030324
Creation Date:	7/12/2003 18:31:23
Receipt Date:	20030324
Manifest ID:	21193866
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	10.26
Waste Quantity:	2700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Gen EPA ID:	CAL000001784
Shipment Date:	19970807
Creation Date:	12/4/1997 0:00:00
Receipt Date:	19970808
Manifest ID:	96179314
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	25.284
Waste Quantity:	30
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000001784
Shipment Date:	20010222
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20010222
Manifest ID:	20735797
Trans EPA ID:	CAD980675276
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Gen EPA ID:	CAL000001784
Shipment Date:	20051118
Creation Date:	1/3/2007 18:30:08
Receipt Date:	20051118
Manifest ID:	24753652
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051117
Creation Date:	1/3/2007 18:30:08
Receipt Date:	20051117
Manifest ID:	24008976
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	5.32
Waste Quantity:	1400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050927
Creation Date:	8/23/2006 18:35:03
Receipt Date:	20050927
Manifest ID:	24597376
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	11.78
Waste Quantity:	3100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050829
Creation Date:	8/23/2006 18:32:59
Receipt Date:	20050902
Manifest ID:	24597281
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	18.24
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050819
Creation Date:	4/13/2006 18:47:49
Receipt Date:	20050819
Manifest ID:	24749400
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL000001784
Shipment Date:	19940204
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940205
Manifest ID:	90187909
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	16.0132
Waste Quantity:	19
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000001784
Shipment Date:	19980831
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980901
Manifest ID:	97376787
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL000001784
Shipment Date:	19960723
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19960723
Manifest ID:	96011216
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	20.016
Waste Quantity:	4800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19960405
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960405
Manifest ID:	95252232
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	21.267
Waste Quantity:	5100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL000001784
Shipment Date:	20020521
Creation Date:	8/29/2002 18:31:16
Receipt Date:	20020524
Manifest ID:	99382297
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAL000001784
Shipment Date:	20060829
Creation Date:	11/21/2006 18:30:26
Receipt Date:	20060829
Manifest ID:	24823692
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	15.2
Waste Quantity:	4000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060720
Creation Date:	9/8/2006 18:33:59
Receipt Date:	20060721
Manifest ID:	25223686
Trans EPA ID:	CAL000175030
Trans Name:	ECOSOLUTIONS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000175030
Trans Name:	IONIZATION RESEARCH ECOSOLUTIONS
TSDF Alt EPA ID:	CAL000175030
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0068
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL000001784
Shipment Date:	19991119
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991119
Manifest ID:	99379975
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Year:	1995
Gen EPA ID:	CAL000001784
Shipment Date:	19951121
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951122
Manifest ID:	95289283
Trans EPA ID:	CAL000027724
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	11.676
Waste Quantity:	2800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950601
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950605
Manifest ID:	95289223
Trans EPA ID:	CAL000027724
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981696420
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	12.51
Waste Quantity:	3000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LUZ SOLAR PARTNERS LTD VI
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
EPA ID:	CAL000001784

LUZ SOLAR PARTNERS LTD VI (Continued) **S113022270**

Inactive Date:	12/05/2005
Create Date:	11/14/1989
Last Act Date:	10/15/2007
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935162109
Owner Name:	LUZ SOLAR PARTNERS LTD VI
Owner Address:	41100 US HIGHWAY 395
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935162109
Contact Name:	GLEN T. KING
Contact Address:	41100 US HIGHWAY 395
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109

NAICS:

EPA ID:	CAL000001784
Create Date:	2004-10-20 10:23:57.043
NAICS Code:	221122
NAICS Description:	Electric Power Distribution
Issued EPA ID Date:	1989-11-14 00:00:00
Inactive Date:	2005-12-05 00:00:00
Facility Name:	LUZ SOLAR PARTNERS LTD VI
Facility Address:	41100 US HIGHWAY 395
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935162109

E33 **CHMIRS** **S105883760**
ENE **41100 HIGHWAY 395, NEAR BORON** **N/A**
< 1/8 **UNINCORPORATED COUNTY AREA, CA 93516**
0.021 mi.
112 ft. **Site 11 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	41100 HIGHWAY 395, NEAR BORON
City,State,Zip:	UNINCORPORATED COUNTY AREA, CA 93516
OES Incident Number:	2-2464
OES notification:	05/06/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported

(Continued) **S105883760**

Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	KJC Operating Company
Incident Date:	5/3/200212:00:00 AM
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Thermanol
Gallons:	150
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	This is a synthetic oil used as a heat transfer fluid at a solar power plant. There was a failure of a flexible connection hose, resulting in the release.

E34 **LUZ SOLAR PARTNERS III-VII** **HAZNET** **S113140105**
ENE **41100 US HIGHWAY 395** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 12 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HAZNET:

Name:	LUZ SOLAR PARTNERS III-VII
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
Contact:	GLEN KING
Telephone:	7607625562
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Year:	2011
Gepaid:	CAL000301046
TSD EPA ID:	AZR000002428
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	20.2272
Year:	2011
Gepaid:	CAL000301046
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	40.4544
Year:	2011
Gepaid:	CAL000301046
TSD EPA ID:	CAD980675276
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	15.1704
Year:	2010
Gepaid:	CAL000301046
TSD EPA ID:	CAL000301046
CA Waste Code:	352 - Other organic solids
Disposal Method:	-
Tons:	16.856
Year:	2010
Gepaid:	CAL000301046
TSD EPA ID:	TXD077603371
CA Waste Code:	252 - Other still bottom waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.2
Year:	2010
Gepaid:	CAL000301046
TSD EPA ID:	TXD077603371
CA Waste Code:	-
Disposal Method:	H111 - Stabilization Or Chemical Fixation Prior To Disposal At Another

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Site
Tons: 0.05

Year: 2010
Gepaid: CAL000301046
TSD EPA ID: CAT000646117
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.5421

Year: 2010
Gepaid: CAL000301046
TSD EPA ID: CAD980675276
CA Waste Code: 352 - Other organic solids
Disposal Method: -
Tons: 15.1704

Year: 2010
Gepaid: CAL000301046
TSD EPA ID: CAD980675276
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 97.7648

Year: 2010
Gepaid: CAL000301046
TSD EPA ID: CAD980675276
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 75.852

Click this hyperlink while viewing on your computer to access
38 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2006
Gen EPA ID: CAL000301046

Shipment Date: 20061113
Creation Date: 4/19/2007 18:30:14
Receipt Date: 20061114
Manifest ID: 000674607FLE
Trans EPA ID: MAD039322250
Trans Name: CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060815
Creation Date:	10/5/2006 18:30:55
Receipt Date:	20060815
Manifest ID:	24919064
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	21.07
Waste Quantity:	25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060803
Creation Date:	9/27/2006 18:36:37
Receipt Date:	20060807
Manifest ID:	25185798
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000051169
Trans 2 Name:	CVC ENVIROMENTAL INC
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	CAD008252405
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Shipment Date:	20060420
Creation Date:	8/1/2006 18:30:52
Receipt Date:	20060420
Manifest ID:	25192254
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060419
Creation Date:	8/11/2006 18:33:33
Receipt Date:	20060427
Manifest ID:	25185638
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060118
Creation Date:	5/27/2006 18:30:56
Receipt Date:	20060118
Manifest ID:	24753834
Trans EPA ID:	MAD039322250
Trans Name:	CLEAN HARBORS ENV SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Trans Name:	CLEAN HARBORS BUTTONWILLOW LLC
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060112
Creation Date:	5/5/2006 18:30:35
Receipt Date:	20060121
Manifest ID:	24776411
Trans EPA ID:	CAT080016116
Trans Name:	NIETO AND SONS TRUCKING INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	241 - Tank bottom waste 251 Still bottoms with halogenated organics
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060103
Creation Date:	3/21/2006 18:30:38
Receipt Date:	Not reported
Manifest ID:	22755485
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	16.68
Waste Quantity:	4000
Quantity Unit:	G

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000301046
Shipment Date:	20110124
Creation Date:	4/1/2011 18:30:20
Receipt Date:	20110125
Manifest ID:	007489202JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	25.284
Waste Quantity:	30
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110120
Creation Date:	1/19/2012 11:13:46
Receipt Date:	20110121
Manifest ID:	007489191JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPER MOUNTAIN LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110120
Creation Date:	6/23/2011 18:30:12
Receipt Date:	20110125
Manifest ID:	007489192JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPER MOUNTAIN LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110117
Creation Date:	3/31/2011 18:30:08
Receipt Date:	20110118
Manifest ID:	007489201JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110110
Creation Date:	3/28/2011 18:30:28
Receipt Date:	20110111
Manifest ID:	001151702GBF

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAL000301046
Shipment Date:	20051230
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20060103
Manifest ID:	24758431
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002428
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051230
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20060104
Manifest ID:	24758416
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002428
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051230
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20060103
Manifest ID:	24758417
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002428
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051230
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20060104
Manifest ID:	24758418
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002428
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051230
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20060103
Manifest ID:	24758419
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002429
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051230
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20060104
Manifest ID:	24758420
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002428
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051230
Creation Date:	6/22/2006 18:32:03

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Receipt Date:	20060110
Manifest ID:	24758421
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002428
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051229
Creation Date:	6/22/2006 18:32:03
Receipt Date:	20060103
Manifest ID:	22755485
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051228
Creation Date:	3/22/2006 18:30:36
Receipt Date:	20051229
Manifest ID:	24758414
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002428

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051228
Creation Date:	3/22/2006 18:30:36
Receipt Date:	20051229
Manifest ID:	24758415
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPERMOUNTAIN LANDFILL
TSDF Alt EPA ID:	AZR000002428
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000301046

Shipment Date:	20071218
Creation Date:	5/15/2008 18:30:08
Receipt Date:	20071219
Manifest ID:	002330880JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPER MOUNTAIN LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Quantity Tons:	9.2708
Waste Quantity:	11
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071215
Creation Date:	3/6/2008 18:30:19
Receipt Date:	20071218
Manifest ID:	002330907JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071210
Creation Date:	5/30/2008 18:30:22
Receipt Date:	20071219
Manifest ID:	003272132JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Additional Code 5:	Not reported
Shipment Date:	20071128
Creation Date:	3/4/2008 18:31:09
Receipt Date:	20071128
Manifest ID:	003272133JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	18.765
Waste Quantity:	4500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071017
Creation Date:	1/8/2008 18:30:57
Receipt Date:	20071017
Manifest ID:	003272045JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	18.765
Waste Quantity:	4500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071011
Creation Date:	1/8/2008 18:30:57
Receipt Date:	20071011
Manifest ID:	003272044JJK
Trans EPA ID:	CAR000051169

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	16.68
Waste Quantity:	4000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071010
Creation Date:	1/25/2008 18:30:33
Receipt Date:	20071018
Manifest ID:	003272047JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070830
Creation Date:	2/5/2008 18:30:26
Receipt Date:	20070830
Manifest ID:	002330586JJK
Trans EPA ID:	CAR000043331
Trans Name:	MTS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070830
Creation Date:	2/5/2008 18:30:26
Receipt Date:	20070830
Manifest ID:	002330587JJK
Trans EPA ID:	CAR000185314
Trans Name:	HOLMAN TRANSPORTATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070830
Creation Date:	2/5/2008 18:30:26
Receipt Date:	20070830
Manifest ID:	002330588JJK
Trans EPA ID:	CAR000136211
Trans Name:	GP TRANSPORTATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000301046
Shipment Date:	20081224
Creation Date:	3/9/2009 18:30:38
Receipt Date:	20081230
Manifest ID:	004497905JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	WASTE MANAGEMENT KETTLEMAN HILLS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.56375
Waste Quantity:	375
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081219
Creation Date:	2/20/2009 18:30:08
Receipt Date:	20081219
Manifest ID:	004497910JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	18.765
Waste Quantity:	4500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081015
Creation Date:	12/22/2008 18:30:09
Receipt Date:	20081017
Manifest ID:	000762226GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080708
Creation Date:	9/4/2008 18:30:36
Receipt Date:	20080710
Manifest ID:	003272493JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080520
Creation Date:	9/10/2008 18:30:25
Receipt Date:	20080521
Manifest ID:	003272400JJK

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000647117
Trans Name:	WASTE MANAGEMENT KETTLEMAN HILLS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080515
Creation Date:	9/10/2008 18:30:18
Receipt Date:	20080515
Manifest ID:	003272395JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	18.765
Waste Quantity:	4500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080407
Creation Date:	6/9/2008 18:30:32
Receipt Date:	20080408
Manifest ID:	003272328JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS -BUTTONWILLOW
TSDF Alt EPA ID:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080319
Creation Date:	5/21/2008 18:30:28
Receipt Date:	20080320
Manifest ID:	003206234JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	64.0528
Waste Quantity:	76
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080319
Creation Date:	5/21/2008 18:30:28
Receipt Date:	20080320
Manifest ID:	003206232JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	64.0528
Waste Quantity:	76

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080318
Creation Date:	5/21/2008 18:30:28
Receipt Date:	20080319
Manifest ID:	003206231JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	64.0528
Waste Quantity:	76
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000301046
Shipment Date:	20091208
Creation Date:	2/3/2010 18:31:10
Receipt Date:	20091208
Manifest ID:	000872984GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	12.093
Waste Quantity:	2900
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091007
Creation Date:	10/8/2010 18:31:11
Receipt Date:	20091009
Manifest ID:	000872820GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090818
Creation Date:	10/13/2009 18:30:21
Receipt Date:	20090818
Manifest ID:	003207498JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090707
Creation Date:	8/20/2009 18:30:09
Receipt Date:	20090707

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Manifest ID:	003207285JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090707
Creation Date:	8/12/2009 18:30:36
Receipt Date:	20090707
Manifest ID:	000873218GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	18.765
Waste Quantity:	4500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090707
Creation Date:	8/25/2009 18:30:31
Receipt Date:	20090708
Manifest ID:	000873224GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090408
Creation Date:	5/29/2009 18:30:40
Receipt Date:	20090409
Manifest ID:	000872369GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090130
Creation Date:	4/8/2009 18:30:21
Receipt Date:	20090204
Manifest ID:	000872225GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	WASTE MANAGEMENT KETTLEMAN HILLS
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3336

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Waste Quantity:	80
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090123
Creation Date:	6/3/2009 18:30:08
Receipt Date:	20090127
Manifest ID:	002335221JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES #716
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDF EPA ID:	AZR000002428
Trans Name:	COPPER MOUNTAIN LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	14.3276
Waste Quantity:	17
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090123
Creation Date:	6/3/2009 18:30:08
Receipt Date:	20090128
Manifest ID:	002335222JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES #716
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	MP ENVIRONMENTAL SERVICES
TSDF EPA ID:	AZR000002428
Trans Name:	COPPER MOUNTAIN LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Additional Info:

Year:	2010
Gen EPA ID:	CAL000301046
Shipment Date:	20101020
Creation Date:	5/14/2013 22:15:05
Receipt Date:	Not reported
Manifest ID:	001151515GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101006
Creation Date:	1/3/2011 18:30:25
Receipt Date:	20101007
Manifest ID:	001151489GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100824
Creation Date:	12/3/2010 18:30:36
Receipt Date:	20100824
Manifest ID:	003206868JJK

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100817
Creation Date:	11/3/2010 18:30:24
Receipt Date:	20100819
Manifest ID:	001151452GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	SIEMENS WATER TECHNOLOGIES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100719
Creation Date:	10/8/2010 18:30:08
Receipt Date:	20100720
Manifest ID:	001150931GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100715
Creation Date:	9/30/2010 18:30:48
Receipt Date:	20100715
Manifest ID:	003206771JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100610
Creation Date:	9/10/2010 18:30:18
Receipt Date:	20100623
Manifest ID:	001150867GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100610
Creation Date:	8/30/2010 18:30:22
Receipt Date:	20100621
Manifest ID:	000873050GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL
Trans 2 EPA ID:	CAR000076166
Trans 2 Name:	QUALITY TRANSPORTATION
TSDF EPA ID:	CAT000646117
Trans Name:	WASTE MANAGEMENT KETTLEMAN CITY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5421
Waste Quantity:	130
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100608
Creation Date:	8/30/2010 18:30:29
Receipt Date:	20100608
Manifest ID:	001150862GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	6.255
Waste Quantity:	1500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Shipment Date:	20100521
Creation Date:	8/26/2010 18:30:25
Receipt Date:	20100524
Manifest ID:	000872607GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LUZ SOLAR PARTNERS III-VII
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
EPA ID:	CAL000301046
Inactive Date:	02/14/2011
Create Date:	12/05/2005
Last Act Date:	11/01/2012
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935162109
Owner Name:	LUZ SOLAR PARTNERS III-VII
Owner Address:	700 UNIVERSE BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	JUNO BEACH, FL 334080000
Contact Name:	GLEN KING
Contact Address:	41100 US HIGHWAY 395
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109

NAICS:

EPA ID:	CAL000301046
Create Date:	2009-12-03 12:41:18.000
NAICS Code:	221122
NAICS Description:	Electric Power Distribution
Issued EPA ID Date:	2005-12-05 13:46:25.04700
Inactive Date:	2011-02-14 00:00:00
Facility Name:	LUZ SOLAR PARTNERS III-VII
Facility Address:	41100 US HIGHWAY 395
Facility Address 2:	Not reported

LUZ SOLAR PARTNERS III-VII (Continued) **S113140105**

Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935162109

E35 **LUZ ENGINEERING CORP SEGS IV** **HAZNET** **S123757460**
ENE **41100 HWY 395** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 13 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HAZNET:

Name:	LUZ ENGINEERING CORP SEGS IV
Address:	41100 HWY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	ROBERT MALL/ENVIRON SPECIALIST
Telephone:	6197625562
Mailing Name:	Not reported
Mailing Address:	41100 HWY 395
Year:	1991
Gepaid:	CAD981620321
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	8.428
Year:	1990
Gepaid:	CAD981620321
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H01 - Transfer Station
Tons:	20.85
Year:	1989
Gepaid:	CAD981620321
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	03 -
Tons:	20.2272
Year:	1989
Gepaid:	CAD981620321
TSD EPA ID:	CAT000646117
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	D80 - Disposal, Land Fill
Tons:	126.42
Year:	1989
Gepaid:	CAD981620321
TSD EPA ID:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	01 -
Tons:	20.016
Year:	1988

LUZ ENGINEERING CORP SEGS IV (Continued) **S123757460**

Gepaid: CAD981620321
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: D80 - Disposal, Land Fill
Tons: 441.6272

Year: 1988
Gepaid: CAD981620321
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: 03 -
Tons: 10.1136

Year: 1987
Gepaid: CAD981620321
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: 03 -
Tons: 75.852

Year: 1987
Gepaid: CAD981620321
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: D80 - Disposal, Land Fill
Tons: 618.6152

HWTS:
Name: LUZ ENGINEERING CORP SEGS IV
Address: 41100 HWY 395
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
EPA ID: CAD981620321
Inactive Date: 04/15/1994
Create Date: 07/03/1987
Last Act Date: 09/14/2004
Mailing Name: Not reported
Mailing Address: 41100 HWY 395
Mailing Address 2: Not reported
Mailing City,State,Zip: BORON, CA 935160000
Owner Name: KRAMER JUNCTION CO MANAGING GE
Owner Address: 900 19TH ST NW #600
Owner Address 2: Not reported
Owner City,State,Zip: WASHINGTON DC, 99 200060000
Contact Name: ROBERT MALL/ENVIRON SPECIALIST
Contact Address: INACTIVE AS OF 11/15/89
Contact Address 2: Not reported
City,State,Zip: --, 99 --

E36 **LUZ SOLAR PARTNERS LTD V** **HAZNET** **S123636199**
ENE **41100 US HIGHWAY 395** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 14 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HAZNET:

Name:	LUZ SOLAR PARTNERS LTD V
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
Contact:	GLEN T KING/ENV. SPEC
Telephone:	7607625562
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Year:	2004
Gepaid:	CAL921543839
TSD EPA ID:	CAD980675276
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	15.1704
Year:	2003
Gepaid:	CAL921543839
TSD EPA ID:	CAD093459485
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	T01 - Treatment, Tank
Tons:	0.021
Year:	2003
Gepaid:	CAL921543839
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	32.0264
Year:	2002
Gepaid:	CAL921543839
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	15.1704
Year:	2000
Gepaid:	CAL921543839
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856
Year:	1999
Gepaid:	CAL921543839
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	15.1704

LUZ SOLAR PARTNERS LTD V (Continued) **S123636199**

Year:	1998
Gepaid:	CAL921543839
TSD EPA ID:	CAD000633164
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	13.4848

Year:	1997
Gepaid:	CAL921543839
TSD EPA ID:	CAD000633164
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856

Year:	1996
Gepaid:	CAL921543839
TSD EPA ID:	CAD000633164
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	12.642

Year:	1995
Gepaid:	CAL921543839
TSD EPA ID:	CAD000633164
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	29.498

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2000
Gen EPA ID:	CAL921543839
Shipment Date:	20001114
Creation Date:	1/24/2001 0:00:00
Receipt Date:	20001114
Manifest ID:	20121958
Trans EPA ID:	CAD980675276
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LUZ SOLAR PARTNERS LTD V (Continued) **S123636199**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL921543839
Shipment Date:	19981120
Creation Date:	1/13/1999 0:00:00
Receipt Date:	19981120
Manifest ID:	98419329
Trans EPA ID:	SCD987574647
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	13.4848
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAL921543839
Shipment Date:	20020214
Creation Date:	7/22/2002 18:32:38
Receipt Date:	20020214
Manifest ID:	20829495
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LUZ SOLAR PARTNERS LTD V (Continued) **S123636199**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL921543839
Shipment Date:	20030822
Creation Date:	7/29/2004 15:04:35
Receipt Date:	20030822
Manifest ID:	22497793
Trans EPA ID:	CAD004778742
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.0132
Waste Quantity:	19
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030507
Creation Date:	6/23/2004 10:00:42
Receipt Date:	20030507
Manifest ID:	21279045
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.0132
Waste Quantity:	19
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030129
Creation Date:	5/18/2003 14:28:17

LUZ SOLAR PARTNERS LTD V (Continued) **S123636199**

Receipt Date:	20030205
Manifest ID:	22105507
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAL921543839
Shipment Date:	19930714
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930716
Manifest ID:	90187886
Trans EPA ID:	ILD009202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	4.214
Waste Quantity:	5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL921543839
Shipment Date:	20040819
Creation Date:	12/28/2004 14:47:40

LUZ SOLAR PARTNERS LTD V (Continued) **S123636199**

Receipt Date:	20040819
Manifest ID:	21059703
Trans EPA ID:	CAD004778742
Trans Name:	STURGEON & SON
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NA
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAL921543839
Shipment Date:	19970218
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19970218
Manifest ID:	93014332
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAL921543839
Shipment Date:	19960722
Creation Date:	5/20/1997 0:00:00

LUZ SOLAR PARTNERS LTD V (Continued) **S123636199**

Receipt Date:	19960722
Manifest ID:	93002665
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL921543839
Shipment Date:	19940809
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940810
Manifest ID:	90187916
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	14.3276
Waste Quantity:	17
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL921543839
Shipment Date:	19951205
Creation Date:	7/26/1996 0:00:00

LUZ SOLAR PARTNERS LTD V (Continued) **S123636199**

Receipt Date:	19951205
Manifest ID:	95130696
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	29.498
Waste Quantity:	35
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950817
Creation Date:	4/1/1996 0:00:00
Receipt Date:	19950818
Manifest ID:	93019290
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAL921543839

Shipment Date:	19990824
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19990824
Manifest ID:	98490992
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

LUZ SOLAR PARTNERS LTD V (Continued) **S123636199**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LUZ SOLAR PARTNERS LTD V
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
EPA ID:	CAL921543839
Inactive Date:	12/05/2005
Create Date:	06/02/1992
Last Act Date:	10/14/2013
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935162109
Owner Name:	LUZ SOLAR PARTNERS LTD V
Owner Address:	41100 US HIGHWAY 395
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935162109
Contact Name:	GLEN T KING/ENV. SPEC
Contact Address:	41100 US HIGHWAY 395
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109

NAICS:

EPA ID:	CAL921543839
Create Date:	2004-10-20 10:23:57.043
NAICS Code:	221122
NAICS Description:	Electric Power Distribution
Issued EPA ID Date:	1992-06-02 00:00:00
Inactive Date:	2005-12-05 00:00:00
Facility Name:	LUZ SOLAR PARTNERS LTD V
Facility Address:	41100 US HIGHWAY 395
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935162109

E37 **LUZ SOLAR PARTNERS LIMITED IV** **HAZNET** **S123817711**
ENE **41100 US HIGHWAY 395** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 15 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HAZNET:

Name:	LUZ SOLAR PARTNERS LIMITED IV
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
Contact:	GLEN T. KING / ENV. SPEC.
Telephone:	7607625562
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Year:	2004
Gepaid:	CAL921543768
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	13.4848
Year:	2003
Gepaid:	CAL921543768
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	14.3276
Year:	2001
Gepaid:	CAL921543768
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	8.428
Year:	2000
Gepaid:	CAL921543768
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.0132
Year:	1999
Gepaid:	CAL921543768
TSD EPA ID:	CAD000633164
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	15.1704
Year:	1998
Gepaid:	CAL921543768
TSD EPA ID:	CAD000633164
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856
Year:	1997

LUZ SOLAR PARTNERS LIMITED IV (Continued) **S123817711**

Gepaid:	CAL921543768
TSD EPA ID:	CAD000633164
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856
Year:	1996
Gepaid:	CAL921543768
TSD EPA ID:	CAD000633164
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	33.712
Year:	1995
Gepaid:	CAL921543768
TSD EPA ID:	CAD000633164
CA Waste Code:	352 - Other organic solids
Disposal Method:	D80 - Disposal, Land Fill
Tons:	33.712
Year:	1995
Gepaid:	CAL921543768
TSD EPA ID:	CAD000633164
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1998
Gen EPA ID:	CAL921543768
Shipment Date:	19980203
Creation Date:	3/31/1998 0:00:00
Receipt Date:	19980203
Manifest ID:	95581741
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LUZ SOLAR PARTNERS LIMITED IV (Continued) **S123817711**

Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL921543768
Shipment Date:	20030206
Creation Date:	5/19/2003 18:31:05
Receipt Date:	20030206
Manifest ID:	21279019
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	14.3276
Waste Quantity:	17
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL921543768
Shipment Date:	19940516
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940517
Manifest ID:	90187915
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	13.4848
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LUZ SOLAR PARTNERS LIMITED IV (Continued) **S123817711**

Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL921543768
Shipment Date:	19951128
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951128
Manifest ID:	95199303
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950606
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950607
Manifest ID:	90187913
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004

LUZ SOLAR PARTNERS LIMITED IV (Continued) **S123817711**

Gen EPA ID:	CAL921543768
Shipment Date:	20040511
Creation Date:	10/29/2004 7:40:51
Receipt Date:	20040511
Manifest ID:	21059702
Trans EPA ID:	CAD004778742
Trans Name:	STURGEON & SON INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	13.4848
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAL921543768
Shipment Date:	19970124
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970124
Manifest ID:	95581738
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996

LUZ SOLAR PARTNERS LIMITED IV (Continued) **S123817711**

Gen EPA ID:	CAL921543768
Shipment Date:	19960416
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960416
Manifest ID:	95581736
Trans EPA ID:	CAD000633164
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAL921543768
Shipment Date:	20000823
Creation Date:	10/30/2000 0:00:00
Receipt Date:	20000823
Manifest ID:	96891907
Trans EPA ID:	CAD981164445
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.0132
Waste Quantity:	19
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001

LUZ SOLAR PARTNERS LIMITED IV (Continued) **S123817711**

Gen EPA ID:	CAL921543768
Shipment Date:	20011108
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011108
Manifest ID:	21336692
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAL921543768
Shipment Date:	19930520
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930520
Manifest ID:	90187892
Trans EPA ID:	CAT000624247
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999

LUZ SOLAR PARTNERS LIMITED IV (Continued) **S123817711**

Gen EPA ID: CAL921543768

Shipment Date: 19990518
Creation Date: 7/7/1999 0:00:00
Receipt Date: 19990518
Manifest ID: 98419507
Trans EPA ID: SCD987574647
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000633164
Trans Name: Not reported
TSDF Alt EPA ID: CAD000633164
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 15.1704
Waste Quantity: 18
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: LUZ SOLAR PARTNERS LIMITED IV
Address: 41100 US HIGHWAY 395
Address 2: Not reported
City,State,Zip: BORON, CA 935162109
EPA ID: CAL921543768
Inactive Date: 12/05/2005
Create Date: 06/02/1992
Last Act Date: 10/14/2013
Mailing Name: Not reported
Mailing Address: 41100 US HIGHWAY 395
Mailing Address 2: Not reported
Mailing City,State,Zip: BORON, CA 935162109
Owner Name: LUZ SOLAR PARTNERS LIMITED IV
Owner Address: 41100 US HIGHWAY 395
Owner Address 2: Not reported
Owner City,State,Zip: BORON, CA 935162109
Contact Name: GLEN T. KING / ENV. SPEC.
Contact Address: 41100 US HIGHWAY 395
Contact Address 2: Not reported
City,State,Zip: BORON, CA 935162109

NAICS:
EPA ID: CAL921543768
Create Date: 2004-10-20 10:23:57.043
NAICS Code: 221122
NAICS Description: Electric Power Distribution
Issued EPA ID Date: 1992-06-02 00:00:00
Inactive Date: 2005-12-05 00:00:00
Facility Name: LUZ SOLAR PARTNERS LIMITED IV
Facility Address: 41100 US HIGHWAY 395

LUZ SOLAR PARTNERS LIMITED IV (Continued) **S123817711**

Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935162109

E38 **KRAMER JUNCTION COMPANY** **CERS** **S123526747**
ENE **41100 HIGHWAY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 16 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CERS:

Name:	KRAMER JUNCTION COMPANY
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516-2109
Site ID:	476138
CERS ID:	110006820431
CERS Description:	US EPA Air Emission Inventory System (EIS)

Affiliation:

Affiliation Type Desc:	Environmental Contact
Entity Name:	Glen King
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

E39 **SEGS X** **CERS** **S123505856**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 17 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CERS:

Name:	SEGS X
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Site ID:	245792
CERS ID:	L10008091929
CERS Description:	Land Disposal Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JOHN STEUDE - LAHONTAN RWQCB (REGION 6T)
Entity Title:	Not reported
Affiliation Address:	2501 LAKE TAHOE BVLD.
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	5305425571

E40 **LUZ ENGINEERING CORP SEGS V** **HAZNET** **S123757462**
ENE **41100 HWY 395** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 18 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HAZNET:

Name:	LUZ ENGINEERING CORP SEGS V
Address:	41100 HWY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	ROBERT MALL/ENVIRON SPECIALIST
Telephone:	6197625562
Mailing Name:	Not reported
Mailing Address:	41100 HWY 395 SEGS V
Year:	1992
Gepaid:	CAD981620388
TSD EPA ID:	CAT080011059
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	33.36
Year:	1992
Gepaid:	CAD981620388
TSD EPA ID:	NVT330010000
CA Waste Code:	611 - Contaminated soil from site clean-up
Disposal Method:	-
Tons:	17.5704
Year:	1992
Gepaid:	CAD981620388
TSD EPA ID:	CAT000613968
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.1535
Year:	1992
Gepaid:	CAD981620388
TSD EPA ID:	CAD981458466
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	27.939
Year:	1992
Gepaid:	CAD981620388
TSD EPA ID:	CAD981458466
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	-
Tons:	12.093
Year:	1992
Gepaid:	CAD981620388
TSD EPA ID:	CAD066113465
CA Waste Code:	741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method:	H01 - Transfer Station
Tons:	0.336
Year:	1992

LUZ ENGINEERING CORP SEGS V (Continued) **S123757462**

Gepaid: CAD981620388
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 12.642

Year: 1992
Gepaid: CAD981620388
TSD EPA ID: NVT330010000
CA Waste Code: 352 - Other organic solids
Disposal Method: -
Tons: 74.1664

Year: 1991
Gepaid: CAD981620388
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 41.283

Year: 1991
Gepaid: CAD981620388
TSD EPA ID: CAD066113465
CA Waste Code: 741 - Liquids with halogenated organic compounds >= 1,000 Mg./L
Disposal Method: 14 -
Tons: 0.0655

Click this hyperlink while viewing on your computer to access
17 additional CA HAZNET: record(s) in the EDR Site Report.

HWTS:
Name: LUZ ENGINEERING CORP SEGS V
Address: 41100 HWY 395
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
EPA ID: CAD981620388
Inactive Date: 04/15/1994
Create Date: 07/03/1987
Last Act Date: 09/14/2004
Mailing Name: Not reported
Mailing Address: 41100 HWY 395 SEGS V
Mailing Address 2: Not reported
Mailing City,State,Zip: BORON, CA 935160000
Owner Name: KRAMER JUNCTION CO MANAGING GE
Owner Address: 900 19TH ST N W
Owner Address 2: Not reported
Owner City,State,Zip: WASHINGTON D C, 99 200060000
Contact Name: ROBERT MALL/ENVIRON SPECIALIST
Contact Address: INACTIVE AS OF 11/15/89
Contact Address 2: Not reported
City,State,Zip: --, 99 --

E41
ENE
< 1/8
0.021 mi.
112 ft.

41100 HWY 395
BORON, CA 93516

Site 19 of 62 in cluster E

Actual:
2452 ft.

Focus Map:
54

ERNS **2013047985**
N/A

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

E42
ENE
< 1/8
0.021 mi.
112 ft.

41100 HWY 395
BORON, CA 93516

Site 20 of 62 in cluster E

Actual:
2452 ft.

Focus Map:
54

ERNS **2014081026**
N/A

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

E43
ENE
< 1/8
0.021 mi.
112 ft.

41100 HWY 395
BORON, CA 93516

Site 21 of 62 in cluster E

Actual:
2452 ft.

Focus Map:
54

CHMIRS **S109039135**
N/A

CHMIRS:

Name:	Not reported
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
OES Incident Number:	6-0235
OES notification:	01/09/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

(Continued) **S109039135**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Luz Solars Partners Unit 6
Incident Date:	1/9/2006 12:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Monsanto WP-1 Heat Transfer Fluid
Gallons:	75
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The material was released from a packing port inside the facility due to equipment failure.

E44 **ERNS** **94253406**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 22 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

E45 **ERNS** **99486866**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 23 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

E46 **SEGS III-VII** **AST** **A100424365**
ENE **41100 US HIGHWAY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 24 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

AST:

Name:	SEGS III-VII
Address:	41100 US HIGHWAY 395
City/Zip:	BORON,93516
Certified Unified Program Agencies:	Not reported
Owner:	Luz Solar Partners III - VII LTD
Total Gallons:	Not reported
CERSID:	10124809
Facility ID:	FA0006102
Business Name:	SEGS III-VII
Phone:	(760) 762-5562
Fax:	(760) 762-6814
Mailing Address:	41100 US Highway 395
Mailing Address City:	Boron
Mailing Address State:	CA
Mailing Address Zip Code:	93516
Operator Name:	NextEra Energy Operating Services LLC
Operator Phone:	(760) 762-5562
Owner Phone:	(561) 304-5329
Owner Mail Address:	700 Universe Blvd.
Owner State:	FL
Owner Zip Code:	33408
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAD981620446

E47
ENE
< 1/8
0.021 mi.
112 ft.

41100 HWY 395
BORON, CA

Site 25 of 62 in cluster E

ERNS **2005777129**
N/A

Actual:
2452 ft.

Focus Map:
54

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

E48
ENE
< 1/8
0.021 mi.
112 ft.

SEGS 3-7 THREE SURFACE IMPOUNDMENTS
41100 HWY 395
BORON, CA 93516

Site 26 of 62 in cluster E

CERS **S123502168**
N/A

Actual:
2452 ft.

Focus Map:
54

CERS:

Name:	SEGS 3-7 THREE SURFACE IMPOUNDMENTS
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Site ID:	152378
CERS ID:	256225
CERS Description:	Land Disposal

Violations:

Site ID:	152378
Site Name:	Segs 3-7 Three Surface Impoundments
Violation Date:	02-02-2000
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	2nd S-A 99 SMR received 3 days late.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS

Site ID:	152378
Site Name:	Segs 3-7 Three Surface Impoundments
Violation Date:	01-25-1995
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	FAILURE TO INCLUDE DAILY FLOW IN 4TH QUARTER 1994 SMR.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS

Site ID:	152378
Site Name:	Segs 3-7 Three Surface Impoundments
Violation Date:	01-19-2001
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	On 1-18-01, @ 1700 hrs., approx. 300 gals. Of heat transfer fluid (biphenyl-depnenyl oxide) spilled to soil at the SEGS III-VII facility due to a weather-related crack in piping. This spill is in violation of section II.A.3 in BO 6-97-058.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS

SEGS 3-7 THREE SURFACE IMPOUNDMENTS (Continued) **S123502168**

Site ID: 152378
Site Name: Segs 3-7 Three Surface Impoundments
Violation Date: 07-01-2008
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Freeboard dropped below allowable level of 2 ft on 12/12/2007.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 152378
Site Name: Segs 3-7 Three Surface Impoundments
Violation Date: 11-08-1993
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DIDN'T INCLUDE DAILY FLOW IN THIRD Q 1993 SMR.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 152378
Site Name: Segs 3-7 Three Surface Impoundments
Violation Date: 08-01-1994
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DIDNT INCLUDE DAILY VOLUME AND VELOCITY AND DIRECTION OF GW FLOW IN 2ND QUARTER 1994 SMR
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 152378
Site Name: Segs 3-7 Three Surface Impoundments
Violation Date: 01-25-1995
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FAILURE TO INCLUDE DAILY FLOW IN 3RD QUARTER 1994 SMR.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2009
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-02-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards

SEGS 3-7 THREE SURFACE IMPOUNDMENTS (Continued) **S123502168**

Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-29-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-1997
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-23-1999
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-18-1996
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-27-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-03-2012
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

SEGS 3-7 THREE SURFACE IMPOUNDMENTS (Continued) **S123502168**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-1998
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-1995
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-09-1996
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-11-2004
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-2008
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-22-2000
Violations Found: No

SEGS 3-7 THREE SURFACE IMPOUNDMENTS (Continued) **S123502168**

Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LNDISPOTH
Eval Source:	CIWQS

Enforcement Action:

Site ID:	152378
Site Name:	Segs 3-7 Three Surface Impoundments
Site Address:	41100 HWY 395
Site City:	BORON
Site Zip:	93516
Enf Action Date:	01-19-2001
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	152378
Site Name:	Segs 3-7 Three Surface Impoundments
Site Address:	41100 HWY 395
Site City:	BORON
Site Zip:	93516
Enf Action Date:	01-31-2000
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

E49 **CHMIRS** **S122215581**
ENE **41100 HIGHWAY 395** **N/A**
< 1/8 **BORON, CA**
0.021 mi.
112 ft. **Site 27 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA
OES Incident Number:	7-1268
OES notification:	02/27/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S122215581**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	Luz Solar Partners
Incident Date:	2/27/2007 12:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Therminol VP1
Gallons:	1,000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Piping failure in heat transfer system.

E50
ENE
< 1/8
0.021 mi.
112 ft.

41100 HIGHWAY 395
BORON, CA

Site 28 of 62 in cluster E

CHMIRS **S122215464**
N/A

Actual:
2452 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA
OES Incident Number:	5-7539
OES notification:	12/30/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	LUZ Solars
Incident Date:	12/30/200512:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Unknown
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Synthetic Oil
Gallons:	50

(Continued) **S122215464**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller advised that 50 gallons of synthetic oil spilled onto the ground due to maintenance activities on a vent valve

---

E51 **CHMIRS** **S107450078**
ENE **41100 HWY 395 CLOSEST CITY IS BORON** **N/A**
< 1/8 **UNINCORPORATED COUNTY AREA, CA 93516**
0.021 mi.
112 ft. **Site 29 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	41100 HWY 395 CLOSEST CITY IS BORON
City,State,Zip:	UNINCORPORATED COUNTY AREA, CA 93516
OES Incident Number:	4-1366
OES notification:	03/11/2004
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

(Continued) **S107450078**

Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	KJC Operating Co.
Incident Date:	3/9/200412:00:00 AM
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	biphenyl and diphenyl oxide
Gallons:	35
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	heat transfer fluid,synthetic oil. Tank overflowed.

E52 **LUZ SOLAR PARTNERS III - VII** **RCRA-LQG** **1012175754**
ENE **41100 HIGHWAY 395** **FINDS** **CAL000301046**
< 1/8 **BORON, CA 93516** **ECHO**
0.021 mi.
112 ft. **Site 30 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

RCRA-LQG:

Date Form Received by Agency:	20100303
Handler Name:	LUZ SOLAR PARTNERS III - VII
Handler Address:	41100 HIGHWAY 395
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000301046
Contact Name:	GLEN T KING
Contact Address:	HIGHWAY 395
Contact City,State,Zip:	BORON, CA 93516
Contact Telephone:	760-762-5562 440
Contact Fax:	760-762-5546
Contact Email:	GLEN.KING@NEXTERAENERGY.COM

LUZ SOLAR PARTNERS III - VII (Continued) **1012175754**

Contact Title:	ENV SPECIALIST
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2009
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	HIGHWAY 395
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	FPLE SOLAR PARTNERS LTD., III - VII
Owner Type:	Private
Operator Name:	NEXTERA ENERGY OPERATING SERVICES
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **1012175754**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20101006
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	FPLE SOLAR PARTNERS LTD., III - VII
Legal Status:	Private
Date Became Current:	20050201
Date Ended Current:	Not reported
Owner/Operator Address:	41100 HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-5562
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEXTERA ENERGY OPERATING SERVICES
Legal Status:	Private
Date Became Current:	20050201
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	CA 93516
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **1012175754**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: LUZ SOLAR PARTNERS LTD., III - VII
Legal Status: Private
Date Became Current: 19860101
Date Ended Current: Not reported
Owner/Operator Address: 700 UNIVERSE BLVD.
Owner/Operator City,State,Zip: JUNO BEACH, FL 33408
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: FPL ENERGY OPERATING SERVICES, INC.
Legal Status: Private
Date Became Current: 20050201
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20080620
Handler Name: LUZ SOLAR PARTNERS III - VII
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100303
Handler Name: LUZ SOLAR PARTNERS III - VII
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221119
NAICS Description: OTHER ELECTRIC POWER GENERATION

LUZ SOLAR PARTNERS III - VII (Continued) **1012175754**

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: LDR - General
Date Violation was Determined: 20100602
Actual Return to Compliance Date: 20100908
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20100602
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: BCOFE
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20100908
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

FINDS:
Registry ID: 110005994763

LUZ SOLAR PARTNERS III - VII (Continued) **1012175754**

Click Here:

Environmental Interest/Information System:

US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
ELECTRIC GENERATOR
STATE MASTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1012175754
Registry ID:	110005994763
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110005994763
Name:	SEGS VI
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516

E53 **SEGS 3-7: BIOREMEDIATION UNIT AND LANDFARM** **CERS** **S123504981**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 31 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CERS:

Name:	SEGS 3-7: BIOREMEDIATION UNIT AND LANDFARM
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Site ID:	213480
CERS ID:	L10006183000
CERS Description:	Land Disposal Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JOHN STEUDE - LAHONTAN RWQCB (REGION 6T)
Entity Title:	Not reported

SEGS 3-7: BIOREMEDIATION UNIT AND LANDFARM (Continued) **S123504981**

Affiliation Address:	2501 LAKE TAHOE BVLD.
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	5305425571

E54 **ERNS** **2007842273**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 32 of 62 in cluster E**

Actual:
2452 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
54

E55 **ERNS** **2009915793**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 33 of 62 in cluster E**

Actual:
2452 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
54

E56 **ERNS** **2010952294**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 34 of 62 in cluster E**

Actual:
2452 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
54

E57 **LUZ SOLAR PARTNERS, LIMITED III** **HAZNET** **S113166615**
ENE **41100 US HIGHWAY 395** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 35 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HAZNET:

Name:	LUZ SOLAR PARTNERS, LIMITED III
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
Contact:	GLEN T. KING / ENV. SPEC
Telephone:	7607625562
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Year:	2004
Gepaid:	CAL921543827
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856
Year:	2002
Gepaid:	CAL921543827
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	10.1136
Year:	2001
Gepaid:	CAL921543827
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	-
Tons:	10.1136
Year:	2000
Gepaid:	CAL921543827
TSD EPA ID:	CAD980675276
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856
Year:	1999
Gepaid:	CAL921543827
TSD EPA ID:	CAD000633164
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	13.4848
Year:	1997
Gepaid:	CAL921543827
TSD EPA ID:	CAD000633164
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	16.856
Year:	1996

LUZ SOLAR PARTNERS, LIMITED III (Continued) **S113166615**

Gepaid: CAL921543827
TSD EPA ID: CAD000633164
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 46.354

Year: 1995
Gepaid: CAL921543827
TSD EPA ID: CAD000633164
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 31.1836

Year: 1994
Gepaid: CAL921543827
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: D80 - Disposal, Land Fill
Tons: 30.3408

Year: 1993
Gepaid: CAL921543827
TSD EPA ID: CAD980883177
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: R01 - Recycler
Tons: 12.92

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Additional Info:
Year: 2001
Gen EPA ID: CAL921543827

Shipment Date: 20010821
Creation Date: 10/3/2001 0:00:00
Receipt Date: Not reported
Manifest ID: 20890695
Trans EPA ID: CAD982495608
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 10.1136
Waste Quantity: 12
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

LUZ SOLAR PARTNERS, LIMITED III (Continued) **S113166615**

Additional Code 5: Not reported

Additional Info:
Year: 2002
Gen EPA ID: CAL921543827

Shipment Date: 20021119
Creation Date: 4/2/2003 18:31:15
Receipt Date: 20021119
Manifest ID: 21278930
Trans EPA ID: CAD982495608
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 10.1136
Waste Quantity: 12
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2004
Gen EPA ID: CAL921543827

Shipment Date: 20040203
Creation Date: 9/10/2004 9:51:11
Receipt Date: 20040203
Manifest ID: 21059701
Trans EPA ID: CAD004778742
Trans Name: STURGEON & SON INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: CLEAN HARBORS
TSDF Alt EPA ID: CAD980675276
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 16.856
Waste Quantity: 20
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

LUZ SOLAR PARTNERS, LIMITED III (Continued) **S113166615**

Additional Code 5: Not reported

Additional Info:
Year: 1999
Gen EPA ID: CAL921543827

Shipment Date: 19990216
Creation Date: 4/5/1999 0:00:00
Receipt Date: 19990216
Manifest ID: 98419457
Trans EPA ID: SCD987574647
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000633164
Trans Name: Not reported
TSDF Alt EPA ID: CAD000633164
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 13.4848
Waste Quantity: 16
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2000
Gen EPA ID: CAL921543827

Shipment Date: 20000516
Creation Date: 8/2/2000 0:00:00
Receipt Date: 20000516
Manifest ID: 20121656
Trans EPA ID: CAD982495608
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: Not reported
TSDF Alt EPA ID: CAD980675276
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 16.856
Waste Quantity: 20
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported

LUZ SOLAR PARTNERS, LIMITED III (Continued) **S113166615**

Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAL921543827

Shipment Date: 19941109
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941110
Manifest ID: 90187911
Trans EPA ID: ILD099202681
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: Not reported
TSDF Alt EPA ID: CAT000646117
TSDF Alt Name: Not reported
Waste Code Description: 611 - Contaminated soil from site clean-ups
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 15.1704
Waste Quantity: 18
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19940202
Creation Date: 9/15/1995 0:00:00
Receipt Date: 19940202
Manifest ID: 90187905
Trans EPA ID: ILD009202681
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: Not reported
TSDF Alt EPA ID: CAT000646117
TSDF Alt Name: Not reported
Waste Code Description: 611 - Contaminated soil from site clean-ups
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 15.1704
Waste Quantity: 18
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1996

LUZ SOLAR PARTNERS, LIMITED III (Continued) **S113166615**

Gen EPA ID: CAL921543827

Shipment Date: 19961015
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19961016
Manifest ID: 95581737
Trans EPA ID: CAD000083121
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000633164
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 12.642
Waste Quantity: 15
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960124
Creation Date: 10/9/1996 0:00:00
Receipt Date: 19960124
Manifest ID: 95580763
Trans EPA ID: CAD000083121
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000633164
Trans Name: Not reported
TSDF Alt EPA ID: CAD000633164
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 33.712
Waste Quantity: 40
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1997
Gen EPA ID: CAL921543827

Shipment Date: 19971106
Creation Date: 3/18/1998 0:00:00
Receipt Date: 19971106

LUZ SOLAR PARTNERS, LIMITED III (Continued) **S113166615**

Manifest ID:	95581740
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL921543827
Shipment Date:	19951110
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951116
Manifest ID:	93019586
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	14.3276
Waste Quantity:	17
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950413
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950414
Manifest ID:	93143718
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

LUZ SOLAR PARTNERS, LIMITED III (Continued) **S113166615**

TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAL921543827
Shipment Date:	19930217
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19930217
Manifest ID:	92596905
Trans EPA ID:	CAD982403198
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980883177
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980883177
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	12.92
Waste Quantity:	3400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LUZ SOLAR PARTNERS, LIMITED III
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
EPA ID:	CAL921543827
Inactive Date:	12/05/2005
Create Date:	06/02/1992
Last Act Date:	10/14/2013
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Mailing Address 2:	Not reported

LUZ SOLAR PARTNERS, LIMITED III (Continued) **S113166615**

Mailing City,State,Zip: BORON, CA 935162109
Owner Name: LUZ SOLAR PARTNERS, LIMITED III
Owner Address: 41100 US HIGHWAY 395
Owner Address 2: Not reported
Owner City,State,Zip: BORON, CA 935162109
Contact Name: GLEN T. KING / ENV. SPEC
Contact Address: 41100 US HIGHWAY 395
Contact Address 2: Not reported
City,State,Zip: BORON, CA 935162109

NAICS:
EPA ID: CAL921543827
Create Date: 2004-10-20 10:23:57.043
NAICS Code: 221122
NAICS Description: Electric Power Distribution
Issued EPA ID Date: 1992-06-02 00:00:00
Inactive Date: 2005-12-05 00:00:00
Facility Name: LUZ SOLAR PARTNERS, LIMITED III
Facility Address: 41100 US HIGHWAY 395
Facility Address 2: Not reported
Facility City: BORON
Facility County: Not reported
Facility State: CA
Facility Zip: 935162109

E58 **KRAMER JUNCTION COMPANY** **FINDS 1016113555**
ENE **41100 HIGHWAY 395** **ECHO N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 36 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

FINDS:
Registry ID: 110006820431

Click Here:

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
AIR EMISSIONS CLASSIFICATION UNKNOWN
AIR MAJOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1016113555
Registry ID: 110006820431
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110006820431

KRAMER JUNCTION COMPANY (Continued) **1016113555**

Name: KRAMER JUNCTION COMPANY
Address: 41100 HIGHWAY 395
City,State,Zip: BORON, CA 93516

E59 **LUZ SOLAR PARTNERS VI THROUGH VII** **ICIS** **1016463224**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 37 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

ICIS:

Enforcement Action ID:	09-2011-3528
FRS ID:	110005994763
Action Name:	Luz Solar Partners Ltd., VI and VII (CERCLA 103)
Facility Name:	LUZ SOLAR PARTNERS VI THROUGH VII
Facility Address:	41100 HWY 395 BORON, CA 93516
Enforcement Action Type:	CERCLA 109 Action For Penalty
Facility County:	KERN
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	109
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.002254
Longitude in Decimal Degrees:	-117.544342
Permit Type Desc:	Not reported
Program System Acronym:	2600025571
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported

Facility Name:	LUZ SOLAR PARTNERS VI THROUGH VII
Address:	41100 HWY 395
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	LUZ SOLAR PARTNERS VI THROUGH VII
Address:	41100 HWY 395
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	LUZ SOLAR PARTNERS VI THROUGH VII
Address:	41100 HWY 395
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	LUZ SOLAR PARTNERS VI THROUGH VII
Address:	41100 HWY 395
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported

LUZ SOLAR PARTNERS VI THROUGH VII (Continued) **1016463224**

SIC Code: Not reported

Facility Name: LUZ SOLAR PARTNERS VI THROUGH VII
Address: 41100 HWY 395
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: LUZ SOLAR PARTNERS VI THROUGH VII
Address: 41100 HWY 395
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: LUZ SOLAR PARTNERS VI THROUGH VII
Address: 41100 HWY 395
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: LUZ SOLAR PARTNERS VI THROUGH VII
Address: 41100 HWY 395
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: LUZ SOLAR PARTNERS VI THROUGH VII
Address: 41100 HWY 395
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: LUZ SOLAR PARTNERS VI THROUGH VII
Address: 41100 HWY 395
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: LUZ SOLAR PARTNERS VI THROUGH VII
Address: 41100 HWY 395
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: LUZ SOLAR PARTNERS VI THROUGH VII
Address: 41100 HWY 395
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

LUZ SOLAR PARTNERS VI THROUGH VII (Continued) **1016463224**

Facility Name:	LUZ SOLAR PARTNERS VI THROUGH VII
Address:	41100 HWY 395
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

Facility Name:	LUZ SOLAR PARTNERS VI THROUGH VII
Address:	41100 HWY 395
Tribal Indicator:	N
Fed Facility:	No
NAIC Code:	Not reported
SIC Code:	Not reported

E60 **CHMIRS S113999716**
ENE **41100 HIGHWAY 395, NEAREST CITY IS BORON IN KERN COUNTY BUT** **N/A**
< 1/8 **UNINCORPORATED COUNTY AREA SAN, CA 93516**
0.021 mi.
112 ft. **Site 38 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	41100 HIGHWAY 395, NEAREST CITY IS BORON IN KERN COUNTY BUT THE RELEASE IS IN SAN BERNARDINO COUNTY
City,State,Zip:	UNINCORPORATED COUNTY AREA SAN BERNARDINO NORTHERN, CA 93516
OES Incident Number:	13-3107
OES notification:	05/22/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Responsible Party

(Continued) **S113999716**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1205
Year:	2013
Agency:	Nextera Energy
Incident Date:	5/22/2013
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Therminol
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A solar power plant experienced a malfunction due to unknown causes, they were taking down mirrors at the time of the release.

E61 **SEGS 3-7: THREE SURFACE IMPOUNDMENTS** **CERS** **S123505837**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 39 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CERS:

Name:	SEGS 3-7: THREE SURFACE IMPOUNDMENTS
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
Site ID:	245337
CERS ID:	L10006039286
CERS Description:	Land Disposal Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	JOHN STEUDE - LAHONTAN RWQCB (REGION 6T)
Entity Title:	Not reported
Affiliation Address:	2501 LAKE TAHOE BVLD.
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported

SEGS 3-7: THREE SURFACE IMPOUNDMENTS (Continued) **S123505837**

Affiliation Zip: Not reported
Affiliation Phone: 5305425571

E62 **ERNS** **2007827678**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 40 of 62 in cluster E**

Actual:
2452 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
54

E63 **CHMIRS** **S116778931**
ENE **41100 HIGHWAY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 41 of 62 in cluster E**

Actual:
2452 ft.

CHMIRS:

Focus Map:
54

Name:	Not reported
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
OES Incident Number:	4-2424
OES notification:	04/27/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

(Continued) **S116778931**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	Synthetic Oil
Date/Time:	1613
Year:	2014
Agency:	Luz Solar Partners Unit SEGS III
Incident Date:	4/27/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Therminal VP-1
Quantity Released:	42
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Leak caused a fire
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Other
Fatals:	No
Comments:	Not reported
Description:	CALLER STATED THAT THERE WAS A RELEASE OF THERMINAL VP-1 (Heat Transfer Fluid) TO THE GROUND/ATMOSPHERE AT THE SOLAR POWER GENERATING FACILITY. CALLER STATED THAT THIS WAS DUE TO AN EQUIPMENT FAILURE ON THE PIPING ASSEMBLY IN THE SOLAR FIELD. THE RELEASE WAS DETECTED WHEN A SOLAR COLLECTOR CAUGHT FIRE DUE TO A WIND EVENT/STOWING PROCESS. THE RELEASE IS SECURED AND IS DECREASING.

E64
ENE
< 1/8
0.021 mi.
112 ft.

Actual:
2452 ft.

Focus Map:
54

41100 HWY. 395 CRAMER JUNCTION
UNINCORPORATED AREA (N. OF VIC, CA 93516

Site 42 of 62 in cluster E

CHMIRS **S105651983**
N/A

CHMIRS:

Name:	Not reported
Address:	41100 HWY. 395 CRAMER JUNCTION
City,State,Zip:	UNINCORPORATED AREA (N. OF VICTORVILLE), CA 93516
OES Incident Number:	7-0911
OES notification:	03/04/1997
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1997
Agency:	KJC Operating Company
Incident Date:	3/4/199712:00:00 AM
Admin Agency:	ERROR: Server error: Entry not found in index
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Therminol (heat transfer fluid)
Gallons:	50

(Continued) **S105651983**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Isolated system located at SEGS V leaked through flange due to pressure. 200 gals. total leaked, 150 gals reached contained area., only 50 gals. contaminated about 10 yds. of soil and rock. Leak was immediatly stopped.

E65 **ERNS** **2005783858**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 43 of 62 in cluster E**

Actual:
2452 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
54

E66 **CHMIRS** **S106400112**
ENE **41100 HWY. 395, NEAREST TOWN IS BORON, NEAREST SAN BERNARDIN** **N/A**
< 1/8 **UNINCORPORATED COUNTY AREA, CA 93516**
0.021 mi.
112 ft. **Site 44 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	41100 HWY. 395, NEAREST TOWN IS BORON, NEAREST SAN BERNARDINO CO. TOWN IS HELENDALE OR HINKLEY.
City,State,Zip:	UNINCORPORATED COUNTY AREA, CA 93516
OES Incident Number:	3-3697
OES notification:	07/23/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

(Continued) **S106400112**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	KJC Operating Co.
Incident Date:	7/19/200312:00:00 AM
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Thermanol
Gallons:	60
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	An isolation valve leaked by.

E67
ENE
< 1/8
0.021 mi.
112 ft.

Site

41100 HWY 395
BORON, CA 93516

Site 45 of 62 in cluster E

Actual:
2452 ft.

Focus Map:
54

CHMIRS **S122214225**
N/A

CHMIRS:

Name:	Not reported
Address:	41100 HWY 395
City,State,Zip:	BORON, CA 93516
OES Incident Number:	10-6122
OES notification:	10/11/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	840
Year:	2010
Agency:	Next Era Energy Resources
Incident Date:	10/11/2010
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Turbine Lube Oil
Quantity Released:	200

(Continued) **S122214225**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	An oil filter scraper handle dislodged on a turbine tank malfunctioned causing the release.

E68 **CHMIRS** **S122214216**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA**
0.021 mi.
112 ft. **Site 46 of 62 in cluster E**

Actual: **2452 ft.**

Focus Map: **54**

CHMIRS:

Name:	Not reported
Address:	41100 HWY 395
City,State,Zip:	BORON, CA
OES Incident Number:	10-5152
OES notification:	08/27/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

(Continued) **S122214216**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	955
Year:	2010
Agency:	NRC
Incident Date:	8/27/2010
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Therminol VP-1
Quantity Released:	600
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller is reporting a release of material due to a pipe failure at their facility.

E69
ENE
< 1/8
0.021 mi.
112 ft.

Actual:
2452 ft.

Focus Map:
54

41100 HWY. 395, NEARNEST TOWN IS BORON
UNINCORPORATED COUNTY AREA, CA 93516

Site 47 of 62 in cluster E

CHMIRS **S107450079**
N/A

CHMIRS:

Name:	Not reported
Address:	41100 HWY. 395, NEARNEST TOWN IS BORON
City,State,Zip:	UNINCORPORATED COUNTY AREA, CA 93516
OES Incident Number:	4-2343
OES notification:	05/03/2004
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported

(Continued) **S107450079**

Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	Kramer Junction Co.
Incident Date:	5/2/200412:00:00 AM
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Utilities/Substation
E Date:	Not reported
Substance:	Therminol
Gallons:	140
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Equipment failure caused this release.

E70 **ERNS** **2006788162**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 48 of 62 in cluster E**

Actual:
2452 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
54

E71 **ERNS** **2006784701**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 49 of 62 in cluster E**

Actual:
2452 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
54

E72 **LUZ ENGINEERING CORP SEGS VI** **HWTS** **S124757942**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 90000**
0.021 mi.
112 ft. **Site 50 of 62 in cluster E**

Actual:
2452 ft.

HWTS:

Name:	LUZ ENGINEERING CORP SEGS VI
Address:	41100 HWY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 900000000
EPA ID:	CAL000002994
Inactive Date:	06/01/1996
Create Date:	08/02/1993
Last Act Date:	11/06/1996
Mailing Name:	Not reported
Mailing Address:	41100 HWY 395
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 900000000
Owner Name:	LUZ ENGENEERING CORP
Owner Address:	41100 HWY 395
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 900000000
Contact Name:	CANX VQ96 DAVID RIB_____AH
Contact Address:	41100 HWY 395
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 900000000

Focus Map:
54

E73
ENE
< 1/8
0.021 mi.
112 ft.

Actual:
2452 ft.

Focus Map:
54

CHMIRS **S109039134**
N/A

41100 HIGHWAY 395, BORON
UNINCORPORATED COUNTY AREA, CA 93516

Site 51 of 62 in cluster E

CHMIRS:

Name:	Not reported
Address:	41100 HIGHWAY 395, BORON
City,State,Zip:	UNINCORPORATED COUNTY AREA, CA 93516
OES Incident Number:	7-4241
OES notification:	07/16/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	FPL Energy
Incident Date:	7/16/2007 12:00:00 AM
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Therminal VP-1
Gallons:	Unknown

(Continued) **S109039134**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states that at a solar power plant, packing on a valve failed and resulted in spill. Upon discovering of release, plant was taken off line to find the source of release.

E74 **LUZ SOLAR PARTNERS III - VII** **EMI** **S108432407**
ENE **41100 HIGHWAY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 52 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

EMI:

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2005
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.738
Reactive Organic Gases Tons/Yr:	11.4338096
Carbon Monoxide Emissions Tons/Yr:	8.19
NOX - Oxides of Nitrogen Tons/Yr:	53.81
SOX - Oxides of Sulphur Tons/Yr:	.5
Particulate Matter Tons/Yr:	34.18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	24.31984

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2006
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD

LUZ SOLAR PARTNERS III - VII (Continued) **S108432407**

Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.738
Reactive Organic Gases Tons/Yr:	11.4338096
Carbon Monoxide Emissions Tons/Yr:	8.19
NOX - Oxides of Nitrogen Tons/Yr:	53.81
SOX - Oxides of Sulphur Tons/Yr:	.5
Particulate Matter Tons/Yr:	34.18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	24.31984

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 935160000
Year:	2007
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.738
Reactive Organic Gases Tons/Yr:	11.4338096
Carbon Monoxide Emissions Tons/Yr:	8.19
NOX - Oxides of Nitrogen Tons/Yr:	53.81
SOX - Oxides of Sulphur Tons/Yr:	.5
Particulate Matter Tons/Yr:	34.18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	24.31984

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2008
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	19.738
Reactive Organic Gases Tons/Yr:	11.4338096
Carbon Monoxide Emissions Tons/Yr:	8.19
NOX - Oxides of Nitrogen Tons/Yr:	53.81
SOX - Oxides of Sulphur Tons/Yr:	.5
Particulate Matter Tons/Yr:	34.18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	24.31984

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2012
County Code:	36
Air Basin:	MD
Facility ID:	27700941

LUZ SOLAR PARTNERS III - VII (Continued) **S108432407**

Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	18.75137118
Reactive Organic Gases Tons/Yr:	11.068954578
Carbon Monoxide Emissions Tons/Yr:	8.1885
NOX - Oxides of Nitrogen Tons/Yr:	48.16886
SOX - Oxides of Sulphur Tons/Yr:	0.445572429
Particulate Matter Tons/Yr:	29.74746045
Part. Matter 10 Micrometers and Smllr Tons/Yr:	21.18402021

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2013
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	18.75137118
Reactive Organic Gases Tons/Yr:	11.068954578
Carbon Monoxide Emissions Tons/Yr:	8.1885
NOX - Oxides of Nitrogen Tons/Yr:	48.16886
SOX - Oxides of Sulphur Tons/Yr:	0.445572429
Particulate Matter Tons/Yr:	29.74746045
Part. Matter 10 Micrometers and Smllr Tons/Yr:	21.18402021

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2014
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	12.818450052
Reactive Organic Gases Tons/Yr:	8.164535725
Carbon Monoxide Emissions Tons/Yr:	2.60638
NOX - Oxides of Nitrogen Tons/Yr:	17.2277
SOX - Oxides of Sulphur Tons/Yr:	0.134142973
Particulate Matter Tons/Yr:	28.7688964
Part. Matter 10 Micrometers and Smllr Tons/Yr:	25.74674348

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2015

LUZ SOLAR PARTNERS III - VII (Continued) **S108432407**

County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.9184500522
Reactive Organic Gases Tons/Yr:	1.670135725
Carbon Monoxide Emissions Tons/Yr:	2.60638
NOX - Oxides of Nitrogen Tons/Yr:	17.2277
SOX - Oxides of Sulphur Tons/Yr:	0.134142973
Particulate Matter Tons/Yr:	28.7688964
Part. Matter 10 Micrometers and Smllr Tons/Yr:	25.74674348

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2016
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	5.3152287015
Reactive Organic Gases Tons/Yr:	2.942632822
Carbon Monoxide Emissions Tons/Yr:	3.749024
NOX - Oxides of Nitrogen Tons/Yr:	25.16401
SOX - Oxides of Sulphur Tons/Yr:	0.2302802151
Particulate Matter Tons/Yr:	28.9215357
Part. Matter 10 Micrometers and Smllr Tons/Yr:	25.902043714

E75 **1X LUZ ENGINEERING CORP** **HWTS** **S124943977**
ENE **41100 HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 53 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HWTS:

Name:	1X LUZ ENGINEERING CORP
Address:	41100 HWY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAP999001964
Inactive Date:	12/19/2000
Create Date:	03/27/1987
Last Act Date:	04/02/2003
Mailing Name:	Not reported
Mailing Address:	924 WESTWOOD BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900240000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported

1X LUZ ENGINEERING CORP (Continued) **S124943977**

Owner City,State,Zip:	--, 99 --
Contact Name:	ROBERT MALL
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

E76 **LUZ ENGINEERING CORP SEGS V** **RCRA-SQG** **1000112572**
ENE **41100 HWY 395** **CAD981620388**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 54 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

RCRA-SQG:

Date Form Received by Agency:	19960901
Handler Name:	LUZ ENGINEERING CORP SEGS V
Handler Address:	41100 HWY 395
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAD981620388
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	5
Mailing Address:	PO BOX 357
Mailing City,State,Zip:	DAGGETT, CA 92327
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported

LUZ ENGINEERING CORP SEGS V (Continued) **1000112572**

Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNERS LTD V
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported

LUZ ENGINEERING CORP SEGS V (Continued) **1000112572**

Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: LUZ ENGINEERING CORP SEGS V
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19870102
Handler Name: LUZ ENGINEERING CORP SEGS V
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E77 **LUZ SOLAR PARTNERS III - VII** **RCRA-LQG** **1000112573**
ENE **41100 US HIGHWAY 395** **CAD981620446**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 55 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

RCRA-LQG:
Date Form Received by Agency: 20200225
Handler Name: LUZ SOLAR PARTNERS III - VII
Handler Address: 41100 US HIGHWAY 395
Handler City,State,Zip: BORON, CA 93516-2109
EPA ID: CAD981620446

LUZ SOLAR PARTNERS III - VII (Continued) **1000112573**

Contact Name:	GLEN T KING
Contact Address:	US HIGHWAY 395
Contact City,State,Zip:	BORON, CA 93516-2109
Contact Telephone:	760-762-1505
Contact Fax:	760-762-6814
Contact Email:	GLEN.KING@NEE.COM
Contact Title:	ENVIRONMENTAL SPECIALIST
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	US HIGHWAY 395
Mailing City,State,Zip:	BORON, CA 93516-2109
Owner Name:	LUZ SOLAR PARTNERS III - VII
Owner Type:	Private
Operator Name:	NEXTERA ENERGY OPERATING SERVICES
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No

LUZ SOLAR PARTNERS III - VII (Continued) **1000112573**

Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200904
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEXTERA ENERGY OPERATING SERVICES
Legal Status:	Private
Date Became Current:	20050202
Date Ended Current:	Not reported
Owner/Operator Address:	41100 US HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516-2109

LUZ SOLAR PARTNERS III - VII (Continued) **1000112573**

Owner/Operator Telephone:	760-762-1505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	GLEN.KING@NEE.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNERS III - VII
Legal Status:	Private
Date Became Current:	20050202
Date Ended Current:	Not reported
Owner/Operator Address:	41100 US HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516-2109
Owner/Operator Telephone:	760-762-1505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	GLEN.KING@NEE.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNERS III - VII
Legal Status:	Private
Date Became Current:	19860101
Date Ended Current:	Not reported
Owner/Operator Address:	41100 HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516-2109
Owner/Operator Telephone:	760-762-5562
Owner/Operator Telephone Ext:	440
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNERS III - VII
Legal Status:	Private
Date Became Current:	20050202
Date Ended Current:	Not reported
Owner/Operator Address:	41100 US HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516-2109
Owner/Operator Telephone:	760-762-1505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	GLEN.KING@NEE.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEXTERA ENERGY OPERATING SERVICES
Legal Status:	Private
Date Became Current:	20050202

LUZ SOLAR PARTNERS III - VII (Continued) **1000112573**

Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEXTERA ENERGY OPERATING SERVICES
Legal Status:	Private
Date Became Current:	20050202
Date Ended Current:	Not reported
Owner/Operator Address:	41100 US HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516-2109
Owner/Operator Telephone:	760-762-1505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	GLEN.KING@NEE.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNER LTD III
Legal Status:	Private
Date Became Current:	19860101
Date Ended Current:	Not reported
Owner/Operator Address:	41100 HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-5562
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNERS III - VII
Legal Status:	Private
Date Became Current:	19850101
Date Ended Current:	Not reported
Owner/Operator Address:	41100 US HIGHWAY 395
Owner/Operator City,State,Zip:	KRAMER JUNCTION, CA 93516
Owner/Operator Telephone:	760-762-5562
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEXTERA ENERGY OPERATING SERVICES
Legal Status:	Private
Date Became Current:	20050201
Date Ended Current:	Not reported
Owner/Operator Address:	41100 HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516-2109
Owner/Operator Telephone:	760-762-5562
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator

LUZ SOLAR PARTNERS III - VII (Continued) **1000112573**

Owner/Operator Name:	NEXERA ENERGY OPERATING SERVICES
Legal Status:	Private
Date Became Current:	20050201
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NEXTERA ENERGY OPERATING SERVICES
Legal Status:	Private
Date Became Current:	20050201
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNERS III - VII
Legal Status:	Private
Date Became Current:	19860101
Date Ended Current:	Not reported
Owner/Operator Address:	41100 US HIGHWAY 395
Owner/Operator City,State,Zip:	BORON, CA 93516-2109
Owner/Operator Telephone:	760-762-5562
Owner/Operator Telephone Ext:	440
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNERS LTD III
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120323
Handler Name:	LUZ SOLAR PARTNERS III - VII
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

LUZ SOLAR PARTNERS III - VII (Continued) **1000112573**

Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20140301
Handler Name: LUZ SOLAR PARTNERS, III - VII
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160224
Handler Name: LUZ SOLAR PARTNERS III - VII
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20180531
Handler Name: LUZ SOLAR PARTNERS III - VII
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200225
Handler Name: LUZ SOLAR PARTNERS III - VII
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901

LUZ SOLAR PARTNERS III - VII (Continued) **1000112573**

Handler Name: LUZ ENGINEERING CORP SEGS III
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19870102
Handler Name: LUZ ENGINEERING CORP SEGS III
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20101215
Handler Name: LUZ SOLAR PARTNERS III THROUGH VII
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221114
NAICS Description: SOLAR ELECTRIC POWER GENERATION

NAICS Code: 221119
NAICS Description: OTHER ELECTRIC POWER GENERATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

E78 **LUZ SOLAR PARTNERS III - VII** **CERS HAZ WASTE** **S113007985**
ENE **41100 US HIGHWAY 395** **CERS TANKS** **N/A**
< 1/8 **BORON, CA 93516** **HAZNET**
0.021 mi. **San Bern. Co. Permit**
112 ft. **Site 56 of 62 in cluster E** **CERS**
HWTS

Actual:
2452 ft.

Focus Map:
54

CERS HAZ WASTE:

Name:	SEGS III-VII
Address:	41100 US HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Site ID:	401911
CERS ID:	10124809
CERS Description:	Hazardous Waste Generator

Name:	SEGS III-VII
Address:	41100 US HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Site ID:	401911
CERS ID:	10124809
CERS Description:	RCRA LQ HW Generator

CERS TANKS:

Name:	SEGS III-VII
Address:	41100 US HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Site ID:	401911
CERS ID:	10124809
CERS Description:	Aboveground Petroleum Storage

HAZNET:

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
Contact:	GLEN KING
Telephone:	7607625562
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Year:	2019
Gepaid:	CAD981620446
TSD EPA ID:	NVT330010000
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	106.39920
Year:	2019
Gepaid:	CAD981620446
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.00000
Year:	2019
Gepaid:	CAD981620446

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

TSD EPA ID: CAD980675276
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 24.74400

Year: 2018
Gepaid: CAD981620446
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 90.72800

Year: 2018
Gepaid: CAD981620446
TSD EPA ID: CAD980675276
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 49.48800

Year: 2018
Gepaid: CAD981620446
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 9.59100

Year: 2017
Gepaid: CAD981620446
TSD EPA ID: CAD980675276
CA Waste Code: 352 - Other organic solids
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 122.206

Year: 2017
Gepaid: CAD981620446
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 105.35

Year: 2016
Gepaid: CAD981620446
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 59.6305

Year: 2016
Gepaid: CAD981620446
TSD EPA ID: CAD980675276

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	188.7872

Click this hyperlink while viewing on your computer to access
40 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2015
Gen EPA ID:	CAD981620446
Shipment Date:	20151123
Creation Date:	2/8/2016 22:17:27
Receipt Date:	20151125
Manifest ID:	007132782FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	8.34
Waste Quantity:	2000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151019
Creation Date:	1/11/2016 22:16:14
Receipt Date:	20151020
Manifest ID:	013868566JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS -BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150915
Creation Date:	2/5/2016 22:15:23
Receipt Date:	20150915
Manifest ID:	007132705FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.9128
Waste Quantity:	26
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150824
Creation Date:	2/9/2016 22:15:11
Receipt Date:	20150824
Manifest ID:	007132644FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150730

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Creation Date:	2/4/2016 22:15:36
Receipt Date:	20150730
Manifest ID:	007132601FLE
Trans EPA ID:	CAR000159343
Trans Name:	KNIGHT ENTERPRISES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150709
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150710
Manifest ID:	013868394JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150701
Creation Date:	2/4/2016 22:16:03
Receipt Date:	20150717
Manifest ID:	013868384JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000076166
Trans 2 Name:	QUALITY TRANSPORTATION

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150428
Creation Date:	9/22/2015 22:15:43
Receipt Date:	20150428
Manifest ID:	007132344FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150414
Creation Date:	9/8/2015 22:15:26
Receipt Date:	20150414
Manifest ID:	007132345FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	7/6/2015 22:15:31
Receipt Date:	20150414
Manifest ID:	013868217JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD981620446
Shipment Date:	20141209
Creation Date:	6/26/2015 22:15:41
Receipt Date:	20141209
Manifest ID:	007132001FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141208
Creation Date:	6/26/2015 22:15:41
Receipt Date:	20141208
Manifest ID:	007132000FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141030
Creation Date:	1/26/2015 22:15:11
Receipt Date:	20141031
Manifest ID:	007131899FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.502
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141027

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Creation Date:	4/29/2015 22:15:12
Receipt Date:	20141027
Manifest ID:	007131866FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141013
Creation Date:	1/26/2015 22:15:11
Receipt Date:	20141023
Manifest ID:	012306472JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141006
Creation Date:	12/17/2014 22:14:47
Receipt Date:	20141007
Manifest ID:	007131850FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140811
Creation Date:	1/25/2015 22:15:12
Receipt Date:	20140811
Manifest ID:	011128885JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	20.2272
Waste Quantity:	24
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140725
Creation Date:	9/23/2014 22:15:15
Receipt Date:	20140731
Manifest ID:	012306227JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

	Regeneration, Organics Recovery Ect
Quantity Tons:	9.7161
Waste Quantity:	2330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140715
Creation Date:	9/23/2014 22:15:15
Receipt Date:	20140716
Manifest ID:	012306214JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140612
Creation Date:	12/6/2014 22:15:07
Receipt Date:	20140612
Manifest ID:	011128571JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD981620446
Shipment Date:	20151123
Creation Date:	2/8/2016 22:17:27
Receipt Date:	20151125
Manifest ID:	007132782FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	8.34
Waste Quantity:	2000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151019
Creation Date:	1/11/2016 22:16:14
Receipt Date:	20151020
Manifest ID:	013868566JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS -BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Shipment Date:	20150915
Creation Date:	2/5/2016 22:15:23
Receipt Date:	20150915
Manifest ID:	007132705FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.9128
Waste Quantity:	26
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150824
Creation Date:	2/9/2016 22:15:11
Receipt Date:	20150824
Manifest ID:	007132644FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150730
Creation Date:	2/4/2016 22:15:36
Receipt Date:	20150730
Manifest ID:	007132601FLE
Trans EPA ID:	CAR000159343
Trans Name:	KNIGHT ENTERPRISES INC
Trans 2 EPA ID:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150709
Creation Date:	10/1/2015 22:15:21
Receipt Date:	20150710
Manifest ID:	013868394JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150701
Creation Date:	2/4/2016 22:16:03
Receipt Date:	20150717
Manifest ID:	013868384JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000076166
Trans 2 Name:	QUALITY TRANSPORTATION
TSDF EPA ID:	CAD008252405
Trans Name:	PACIFIC RESOURCE RECOVERY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150428
Creation Date:	9/22/2015 22:15:43
Receipt Date:	20150428
Manifest ID:	007132344FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150414
Creation Date:	9/8/2015 22:15:26
Receipt Date:	20150414
Manifest ID:	007132345FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150408
Creation Date:	7/6/2015 22:15:31
Receipt Date:	20150414
Manifest ID:	013868217JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD981620446
Shipment Date:	20131226
Creation Date:	5/14/2014 22:15:08
Receipt Date:	20131226
Manifest ID:	011138132JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Shipment Date:	20131008
Creation Date:	12/10/2013 22:15:06
Receipt Date:	20131018
Manifest ID:	009713436JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130924
Creation Date:	3/3/2014 22:15:27
Receipt Date:	20130924
Manifest ID:	011128171JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130708
Creation Date:	9/22/2013 22:15:08
Receipt Date:	20130711
Manifest ID:	009713196JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	10.9564
Waste Quantity:	13
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130611
Creation Date:	10/11/2013 22:15:05
Receipt Date:	20130612
Manifest ID:	011137653JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130404
Creation Date:	6/19/2013 22:15:07
Receipt Date:	20130405
Manifest ID:	009713021JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130117
Creation Date:	5/28/2013 22:15:05
Receipt Date:	20130118
Manifest ID:	008766660JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPER MOUNTAIN LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130108
Creation Date:	5/28/2013 22:15:05
Receipt Date:	20130122
Manifest ID:	008766661JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000002428
Trans Name:	COPPER MOUNTAIN LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130107
Creation Date:	3/15/2013 22:15:27
Receipt Date:	20130110
Manifest ID:	009716346JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130107
Creation Date:	3/7/2013 22:15:18
Receipt Date:	20130108
Manifest ID:	009373572JJK
Trans EPA ID:	CAR000130864
Trans Name:	ALEXIS ENVIRONMENTAL COMPANY INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIROMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	7.182
Waste Quantity:	1890
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAD981620446

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Shipment Date:	20111010
Creation Date:	1/6/2012 18:30:33
Receipt Date:	20111013
Manifest ID:	001151431GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110705
Creation Date:	8/29/2011 18:30:11
Receipt Date:	20110706
Manifest ID:	001151199GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8.428
Waste Quantity:	10
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110411
Creation Date:	6/16/2011 18:30:20
Receipt Date:	20110412
Manifest ID:	001528940GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110411
Creation Date:	6/4/2011 18:30:41
Receipt Date:	20110411
Manifest ID:	001528943GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	20.85
Waste Quantity:	5000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110406
Creation Date:	9/13/2011 18:30:11
Receipt Date:	20110406
Manifest ID:	007483015JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110405
Creation Date:	9/13/2011 18:30:11
Receipt Date:	20110405
Manifest ID:	007483014JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110404
Creation Date:	9/13/2011 18:30:11
Receipt Date:	20110404
Manifest ID:	007483013JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110324
Creation Date:	5/31/2011 18:30:11
Receipt Date:	20110324
Manifest ID:	007489488JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110317
Creation Date:	5/27/2011 18:30:22
Receipt Date:	20110317
Manifest ID:	007489487JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110310
Creation Date:	5/5/2011 18:30:32
Receipt Date:	20110310

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Manifest ID:	007489486JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAD981620446
Shipment Date:	20171102
Creation Date:	6/20/2018 18:31:41
Receipt Date:	20171122
Manifest ID:	016812561JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.07
Waste Quantity:	25
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170803
Creation Date:	7/30/2018 18:30:16
Receipt Date:	20170804
Manifest ID:	010013046FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	29.498
Waste Quantity:	35
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170721
Creation Date:	5/31/2018 18:30:42
Receipt Date:	20170728
Manifest ID:	016812367JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170703
Creation Date:	6/20/2018 18:31:19
Receipt Date:	20170721
Manifest ID:	016812308JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000076166
Trans 2 Name:	QUALITY TRANSPORTATION
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS -BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170703
Creation Date:	6/13/2018 18:31:10
Receipt Date:	20170719
Manifest ID:	016812309JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000076166
Trans 2 Name:	QUALITY TRANSPORTATION
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170620
Creation Date:	5/17/2018 18:31:33
Receipt Date:	20170630
Manifest ID:	016812274JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170616
Creation Date:	5/17/2018 18:31:33
Receipt Date:	20170630
Manifest ID:	016812261JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170525
Creation Date:	7/20/2018 18:30:15
Receipt Date:	20170526
Manifest ID:	007134105FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	30.3408
Waste Quantity:	36
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170524
Creation Date:	7/13/2018 18:30:08

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Receipt Date:	20170524
Manifest ID:	007134104FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	30.3408
Waste Quantity:	36
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170411
Creation Date:	5/9/2018 18:31:38
Receipt Date:	20170412
Manifest ID:	016812147JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	CLEAN HARBORS-BUTTONWILLOW
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD981620446

Shipment Date:	20121220
Creation Date:	4/29/2013 22:15:20
Receipt Date:	20121221
Manifest ID:	008766583JJK
Trans EPA ID:	CAT000624247

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121220
Creation Date:	4/29/2013 22:15:20
Receipt Date:	20121221
Manifest ID:	008766579JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121219
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121220
Manifest ID:	008766584JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121219
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121220
Manifest ID:	008766578JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121218
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121219
Manifest ID:	008766582JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121218
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121219
Manifest ID:	008766580JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121217
Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121218
Manifest ID:	008766581JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121217

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Creation Date:	2/14/2013 22:15:16
Receipt Date:	20121218
Manifest ID:	008766577JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121213
Creation Date:	4/15/2013 22:15:20
Receipt Date:	20121214
Manifest ID:	008766570JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121213
Creation Date:	4/15/2013 22:15:20
Receipt Date:	20121214
Manifest ID:	008766575JJK
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

TSDF EPA ID: NVT330010000
Trans Name: US ECOLOGY - BEATTY
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: D008
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 15.1704
Waste Quantity: 18
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2007
Gen EPA ID: CAD981620446

Shipment Date: 20071213
Creation Date: 1/10/2012 16:58:03
Receipt Date: 20071214
Manifest ID: 002330883JJK
Trans EPA ID: CAT000624247
Trans Name: MP ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: AZR000002428
Trans Name: COPPER MOUNTAIN LANDFILL
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 8.428
Waste Quantity: 10
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20070817
Creation Date: 1/10/2012 16:58:39
Receipt Date: 20070817
Manifest ID: 002333900JJK
Trans EPA ID: CAL000043331
Trans Name: MTS
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: CHEMICAL WASTE MANAGEMENT-KETTLEMAN
TSDF Alt EPA ID: Not reported

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070814
Creation Date:	1/10/2012 16:58:23
Receipt Date:	20070814
Manifest ID:	002333853JJK
Trans EPA ID:	CAT000624247
Trans Name:	MTS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

San Bern. Co. Permit:

Name:	SEGS III-VII
Address:	41100 US HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0006102
Owner:	Luz Solar Partners III - VII LTD
Permit Number:	PT0003458
Permit Category:	HAZARDOUS MATERIALS 11-30 CHEMICALS
Facility Status:	ACTIVE
Expiration Date:	09/30/2021

Name:	SEGS III-VII
Address:	41100 US HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0006102
Owner:	Luz Solar Partners III - VII LTD

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Permit Number: PT0020325
Permit Category: APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status: ACTIVE
Expiration Date: 09/30/2021

Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0006102
Owner: Luz Solar Partners III - VII LTD
Permit Number: PT0003457
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: ACTIVE
Expiration Date: 09/30/2021

Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0006102
Owner: Luz Solar Partners III - VII LTD
Permit Number: PT0025865
Permit Category: RCRA LARGE QUANTITY GENERATOR
Facility Status: INACTIVE
Expiration Date: 09/30/2019

Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0006102
Owner: Luz Solar Partners III - VII LTD
Permit Number: PT0019742
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0006102
Owner: Luz Solar Partners III - VII LTD
Permit Number: PT0019741
Permit Category: UW HANDLER WITH ANOTHER CUPA PERMIT
Facility Status: INACTIVE
Expiration Date: 09/30/2013

Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0006102
Owner: Luz Solar Partners III - VII LTD
Permit Number: PT0011071
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Facility Status: INACTIVE
Expiration Date: 09/30/2006

Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0006102
Owner: Luz Solar Partners III - VII LTD
Permit Number: PT0011072
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2006

Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0006102
Owner: Luz Solar Partners III - VII LTD
Permit Number: PT0011073
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2006

Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0006102
Owner: Luz Solar Partners III - VII LTD
Permit Number: PT0011074
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 09/30/2004

CERS:
Name: SEGS III-VII
Address: 41100 US HIGHWAY 395
City,State,Zip: BORON, CA 93516
Site ID: 401911
CERS ID: 10124809
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 401911
Site Name: SEGS III-VII
Violation Date: 06-20-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to prepare an SPCC Plan which fulfills all basic requirements that include: 1. The SPCC Plan must be prepared in accordance with good engineering practices. 2. Have full approval of management at a level of authority to commit the necessary resources to fully implement the SPCC Plan. 3. Prepare the SPCC Plan in writing. 4. Follow the sequence of the SPCC rule or include a cross-reference. 5. If the SPCC Plan calls for additional procedures, methods, or

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

equipment not yet fully operational, discuss the items in separate paragraphs."
Violation Notes: Returned to compliance on 08/15/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 401911
Site Name: SEGS III-VII
Violation Date: 06-20-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to engineer or update each container installation to avoid discharges by providing at least one of the following devices: 1. An audible or visual high liquid level alarm. 2. High liquid level pump cutoff devices. 3. Audible or code signal communications between tank gauger and pumping station. 4. A fast response system for determining liquid levels, such as computers, telepulse or direct vision gauges.
Violation Notes: Returned to compliance on 08/15/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 401911
Site Name: SEGS III-VII
Violation Date: 06-20-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: "Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facilityG s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation."
Violation Notes: Returned to compliance on 08/15/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS

Site ID: 401911
Site Name: SEGS III-VII
Violation Date: 06-20-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to discuss in the SPCC Plan procedures to test or inspect each aboveground container for integrity in accordance with industry standards: 1. On a regular schedule. 2. After material repairs are made. 3. By qualified personnel. 4. The frequency and type of testing and inspections based on container size, configuration, and design.
Violation Notes: Returned to compliance on 08/15/2017.
Violation Division: San Bernardino County Fire Department
Violation Program: APSA
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-20-2017
Violations Found: No

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Eval Type: Routine done by local agency
Eval Notes: ROUTINE HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-20-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: INSPECTION OF SEGS III-VII IN BORON WITH JUSTIN, AND TRVAEL TO/FROM FACILITY.
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-09-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-09-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-09-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-20-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HWLQG
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Glen King
Entity Title: Not reported
Affiliation Address: 41100 US Highway 395

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Glen King
Entity Title:	Environmental Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	NextEra Energy Operating Services LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 762-5562
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	41100 US Highway 395
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Luz Solar Partners III - VII LTD
Entity Title:	Not reported
Affiliation Address:	700 Universe Blvd.
Affiliation City:	Juno Beach
Affiliation State:	FL
Affiliation Country:	United States
Affiliation Zip:	33408
Affiliation Phone:	(561) 304-5329
Affiliation Type Desc:	Parent Corporation
Entity Name:	SEGS III-VII
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District

LUZ SOLAR PARTNERS III - VII (Continued) **S113007985**

Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Document Preparer
Entity Name:	Glen King
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HWTS:

Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
EPA ID:	CAD981620446
Inactive Date:	Not reported
Create Date:	07/03/1987
Last Act Date:	07/09/2020
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935162109
Owner Name:	LUZ SOLAR PARTNERSHIP LTD III
Owner Address:	700 UNIVERSE BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	JUNO BEACH, FL 334082657
Contact Name:	GLEN KING
Contact Address:	41100 US HIGHWAY 395
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109

NAICS:

EPA ID:	CAD981620446
Create Date:	2011-02-17 08:43:14.010
NAICS Code:	221122
NAICS Description:	Electric Power Distribution
Issued EPA ID Date:	1987-07-03 00:00:00
Inactive Date:	Not reported
Facility Name:	LUZ SOLAR PARTNERS III - VII
Facility Address:	41100 US HIGHWAY 395
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935162109

E79 **LUZ SOLAR PARTNERS III - VII** **FINDS** **1012107842**
ENE **41100 HIGHWAY 395** **ECHO** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 57 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

FINDS:
Registry ID: 110038856636

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER
GREENHOUSE GAS REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1012107842
Registry ID:	110038856636
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110038856636
Name:	LUZ SOLAR PARTNERS III - VII
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516

E80 **SEGS (III THROUGH VII)** **EMI** **S124454798**
ENE **41100 HIGHWAY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 58 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

EMI:

Name:	SEGS (III THROUGH VII)
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.5537465235
Reactive Organic Gases Tons/Yr:	2.765499109
Carbon Monoxide Emissions Tons/Yr:	4.380918631
NOX - Oxides of Nitrogen Tons/Yr:	21.506889571
SOX - Oxides of Sulphur Tons/Yr:	0.158810055
Particulate Matter Tons/Yr:	28.746666377
Part. Matter 10 Micrometers and Smllr Tons/Yr:	25.732153723

Name:	SEGS (III THROUGH VII)
Address:	41100 HIGHWAY 395

SEGS (III THROUGH VII) (Continued) **S124454798**

City,State,Zip:	BORON, CA 93516
Year:	2018
County Code:	36
Air Basin:	MD
Facility ID:	941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.519983508
Reactive Organic Gases Tons/Yr:	3.0957908574
Carbon Monoxide Emissions Tons/Yr:	4.317362348
NOX - Oxides of Nitrogen Tons/Yr:	21.39798446
SOX - Oxides of Sulphur Tons/Yr:	0.0964517187
Particulate Matter Tons/Yr:	35.015833682
Part. Matter 10 Micrometers and Smllr Tons/Yr:	30.128924478

Name:	SEGS (III THROUGH VII)
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2018
County Code:	36
Air Basin:	MD
Facility ID:	27700941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	4.5537465235
Reactive Organic Gases Tons/Yr:	2.765499109
Carbon Monoxide Emissions Tons/Yr:	4.380918631
NOX - Oxides of Nitrogen Tons/Yr:	21.506889571
SOX - Oxides of Sulphur Tons/Yr:	0.158810055
Particulate Matter Tons/Yr:	28.746666377
Part. Matter 10 Micrometers and Smllr Tons/Yr:	25.732153723

Name:	SEGS (III THROUGH VII)
Address:	41100 HIGHWAY 395
City,State,Zip:	BORON, CA 93516
Year:	2019
County Code:	36
Air Basin:	MD
Facility ID:	941
Air District Name:	MOJ
SIC Code:	4911
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.251088459
Reactive Organic Gases Tons/Yr:	0.81291163414
Carbon Monoxide Emissions Tons/Yr:	1.858527855
NOX - Oxides of Nitrogen Tons/Yr:	2.204940861
SOX - Oxides of Sulphur Tons/Yr:	0.02032349567
Particulate Matter Tons/Yr:	28.219982718
Part. Matter 10 Micrometers and Smllr Tons/Yr:	25.224008774

E81
ENE
< 1/8
0.021 mi.
112 ft.

41100 HWY. 395
BORON, CA 93516

Site 59 of 62 in cluster E

Actual:
2452 ft.

Focus Map:
54

CHMIRS **S108405701**
N/A

CHMIRS:

Name:	Not reported
Address:	41100 HWY. 395
City,State,Zip:	BORON, CA 93516
OES Incident Number:	6-0988
OES notification:	02/15/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Loz Solar Partners V
Incident Date:	2/15/2006 12:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant,Utilities/Substation
E Date:	Not reported
Substance:	Therminol
Gallons:	400

(Continued) **S108405701**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Equipment failure caused this release.
Name:	Not reported
Address:	41100 HWY. 395
City,State,Zip:	BORON, CA 93516
OES Incident Number:	5-6119
OES notification:	10/22/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

(Continued) **S108405701**

Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	Luz Solar Partners #3
Incident Date:	10/21/200512:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	VP 1 (heat transfer fluid)
Gallons:	7,000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Equipment failure caused rupture allowing release.
	Not reported

E82 **LUZ SOLAR PARTNERS, LIMITED VII** **HAZNET** **S113022269**
ENE **41100 US HIGHWAY 395** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 60 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

HAZNET:

Name:	LUZ SOLAR PARTNERS, LIMITED VII
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
Contact:	DAVID RIB/MGR OF REG AFFAIRS
Telephone:	7607625562
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Year:	2003
Gepaid:	CAL000001783
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	1.71
Year:	2002
Gepaid:	CAL000001783
TSD EPA ID:	CAD980675276

LUZ SOLAR PARTNERS, LIMITED VII (Continued) **S113022269**

CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 10.1136

Year: 2001
Gepaid: CAL000001783
TSD EPA ID: CAD980675276
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 13.4848

Year: 2000
Gepaid: CAL000001783
TSD EPA ID: CAD980675276
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 16.856

Year: 1998
Gepaid: CAL000001783
TSD EPA ID: CAD000633164
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 13.4848

Year: 1997
Gepaid: CAL000001783
TSD EPA ID: CAD000633164
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 15.1704

Year: 1996
Gepaid: CAL000001783
TSD EPA ID: CAD000633164
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 33.712

Year: 1996
Gepaid: CAL000001783
TSD EPA ID: CAT080013352
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 21

Year: 1995
Gepaid: CAL000001783
TSD EPA ID: CAD000633164
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: D80 - Disposal, Land Fill
Tons: 16.0132

Year: 1995
Gepaid: CAL000001783
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up

LUZ SOLAR PARTNERS, LIMITED VII (Continued) **S113022269**

Disposal Method: D80 - Disposal, Land Fill
Tons: 16.856

Click this hyperlink while viewing on your computer to access
5 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2000
Gen EPA ID: CAL000001783

Shipment Date: 20000223
Creation Date: 5/17/2000 0:00:00
Receipt Date: 20000223
Manifest ID: 99382296
Trans EPA ID: CAD982495608
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD980675276
Trans Name: Not reported
TSDF Alt EPA ID: CAD980675276
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 16.856
Waste Quantity: 20
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1993
Gen EPA ID: CAL000001783

Shipment Date: 19930914
Creation Date: 9/12/1995 0:00:00
Receipt Date: Not reported
Manifest ID: 90187901
Trans EPA ID: ILD009202681
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT000646117
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 611 - Contaminated soil from site clean-ups
RCRA Code: Not reported
Meth Code: - Not reported
Quantity Tons: 12.642
Waste Quantity: 15

LUZ SOLAR PARTNERS, LIMITED VII (Continued) **S113022269**

Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930309
Creation Date:	9/5/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	90187764
Trans EPA ID:	CAT000624247
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAL000001783
Shipment Date:	19950930
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951003
Manifest ID:	93019291
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.0132
Waste Quantity:	19
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LUZ SOLAR PARTNERS, LIMITED VII (Continued) **S113022269**

Additional Code 5:	Not reported
Shipment Date:	19950216
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950216
Manifest ID:	90187912
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAL000001783
Shipment Date:	19980511
Creation Date:	7/15/1998 0:00:00
Receipt Date:	19980511
Manifest ID:	97376624
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	13.4848
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002

LUZ SOLAR PARTNERS, LIMITED VII (Continued) **S113022269**

Gen EPA ID:	CAL000001783
Shipment Date:	20020820
Creation Date:	1/27/2003 18:32:25
Receipt Date:	20020820
Manifest ID:	99382298
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAL000001783
Shipment Date:	20010517
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010517
Manifest ID:	20735911
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980675276
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980675276
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	13.4848
Waste Quantity:	16
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994

LUZ SOLAR PARTNERS, LIMITED VII (Continued) **S113022269**

Gen EPA ID:	CAL000001783
Shipment Date:	19940204
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19940204
Manifest ID:	90187910
Trans EPA ID:	ILD099202681
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.0132
Waste Quantity:	19
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000001783
Shipment Date:	20030922
Creation Date:	8/3/2004 15:00:31
Receipt Date:	20030922
Manifest ID:	21976328
Trans EPA ID:	CAL000209863
Trans Name:	DOBY HAGAR TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO-KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.71
Waste Quantity:	450
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996

LUZ SOLAR PARTNERS, LIMITED VII (Continued) **S113022269**

Gen EPA ID: CAL000001783

Shipment Date: 19960416
Creation Date: 10/16/1996 0:00:00
Receipt Date: 19960416
Manifest ID: 95252280
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 135 - Unspecified aqueous solution
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 21
Waste Quantity: 5000
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19960102
Creation Date: 7/29/1996 0:00:00
Receipt Date: 19960103
Manifest ID: 95580762
Trans EPA ID: CAD000083121
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD000633164
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: Not reported
Meth Code: D80 - Disposal, Land Fill
Quantity Tons: 33.712
Waste Quantity: 40
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1997
Gen EPA ID: CAL000001783

Shipment Date: 19970326
Creation Date: 6/26/1997 0:00:00
Receipt Date: 19970326

LUZ SOLAR PARTNERS, LIMITED VII (Continued) **S113022269**

Manifest ID:	95581739
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000633164
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD000633164
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.1704
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LUZ SOLAR PARTNERS, LIMITED VII
Address:	41100 US HIGHWAY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109
EPA ID:	CAL000001783
Inactive Date:	12/05/2005
Create Date:	11/14/1989
Last Act Date:	10/14/2013
Mailing Name:	Not reported
Mailing Address:	41100 US HIGHWAY 395
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935162109
Owner Name:	LUZ SOLAR PARTNERS, LIMITED VII
Owner Address:	41100 US HIGHWAY 395
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935162109
Contact Name:	DAVID RIB/MGR OF REG AFFAIRS
Contact Address:	41100 US HIGHWAY 395
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935162109

NAICS:

EPA ID:	CAL000001783
Create Date:	2004-10-20 10:23:57.043
NAICS Code:	221122
NAICS Description:	Electric Power Distribution
Issued EPA ID Date:	1989-11-14 00:00:00
Inactive Date:	2005-12-05 00:00:00
Facility Name:	LUZ SOLAR PARTNERS, LIMITED VII
Facility Address:	41100 US HIGHWAY 395
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935162109

E83 **FLP FLORIDA LIGHT & POWER KRAMER SEGS** **ICIS** **1004440186**
ENE **41100 HWY 395** **US AIRS** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516**
0.021 mi.
112 ft. **Site 61 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

ICIS:

Enforcement Action ID:	CAMDAA000006071M004900166
FRS ID:	110006820431
Action Name:	FLP FLORIDA LIGHT & POWER KRAMER SEGS 06071M004900166
Facility Name:	FLP FLORIDA LIGHT & POWER KRAMER SEGS
Facility Address:	41100 HWY 395 KRAMER JUNCTION, CA 935160000
Enforcement Action Type:	Administrative Order
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.013
Longitude in Decimal Degrees:	-117.549
Permit Type Desc:	Not reported
Program System Acronym:	CAMDA00006071M0049
Facility NAICS Code:	221114
Tribal Land Code:	Not reported

Enforcement Action ID:	CAMDAA000006071M004900165
FRS ID:	110006820431
Action Name:	FLP FLORIDA LIGHT & POWER KRAMER SEGS 06071M004900165
Facility Name:	FLP FLORIDA LIGHT & POWER KRAMER SEGS
Facility Address:	41100 HWY 395 KRAMER JUNCTION, CA 935160000
Enforcement Action Type:	Notice of Violation
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.013
Longitude in Decimal Degrees:	-117.549
Permit Type Desc:	Not reported
Program System Acronym:	CAMDA00006071M0049
Facility NAICS Code:	221114
Tribal Land Code:	Not reported

Enforcement Action ID:	CAMDAA000006071M004900050
FRS ID:	110006820431
Action Name:	FLP FLORIDA LIGHT & POWER KRAMER SEGS 06071M004900050
Facility Name:	FLP FLORIDA LIGHT & POWER KRAMER SEGS
Facility Address:	41100 HWY 395 KRAMER JUNCTION, CA 935160000
Enforcement Action Type:	Notice of Violation
Facility County:	SAN BERNARDINO
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	4911

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.013
Longitude in Decimal Degrees: -117.549
Permit Type Desc: Not reported
Program System Acronym: CAMDA00006071M0049
Facility NAICS Code: 221114
Tribal Land Code: Not reported

Enforcement Action ID: CAMDAA000006071M004900046
FRS ID: 110006820431
Action Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS 06071M004900046
Facility Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS
Facility Address: 41100 HWY 395
KRAMER JUNCTION, CA 935160000
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.013
Longitude in Decimal Degrees: -117.549
Permit Type Desc: Not reported
Program System Acronym: CAMDA00006071M0049
Facility NAICS Code: 221114
Tribal Land Code: Not reported

Enforcement Action ID: CAMDAA000006071M004900042
FRS ID: 110006820431
Action Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS 06071M004900042
Facility Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS
Facility Address: 41100 HWY 395
KRAMER JUNCTION, CA 935160000
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.013
Longitude in Decimal Degrees: -117.549
Permit Type Desc: Not reported
Program System Acronym: CAMDA00006071M0049
Facility NAICS Code: 221114
Tribal Land Code: Not reported

Enforcement Action ID: CAMDAA000006071M004900038
FRS ID: 110006820431
Action Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS 06071M004900038
Facility Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS
Facility Address: 41100 HWY 395
KRAMER JUNCTION, CA 935160000
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.013
Longitude in Decimal Degrees: -117.549
Permit Type Desc: Not reported
Program System Acronym: CAMDA00006071M0049
Facility NAICS Code: 221114
Tribal Land Code: Not reported

Enforcement Action ID: CAMDAA000006071M004900034
FRS ID: 110006820431
Action Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS 06071M004900034
Facility Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS
Facility Address: 41100 HWY 395
KRAMER JUNCTION, CA 935160000
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.013
Longitude in Decimal Degrees: -117.549
Permit Type Desc: Not reported
Program System Acronym: CAMDA00006071M0049
Facility NAICS Code: 221114
Tribal Land Code: Not reported

Enforcement Action ID: CAMDAA000006071M004900029
FRS ID: 110006820431
Action Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS 06071M004900029
Facility Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS
Facility Address: 41100 HWY 395
KRAMER JUNCTION, CA 935160000
Enforcement Action Type: Notice of Violation
Facility County: SAN BERNARDINO
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 4911
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.013
Longitude in Decimal Degrees: -117.549
Permit Type Desc: Not reported
Program System Acronym: CAMDA00006071M0049
Facility NAICS Code: 221114
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1004440186
Region Code: 09
County Code: CA071
Programmatic ID: AIR CAMDA00006071M0049

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Facility Registry ID: 110006820431
D and B Number: Not reported
Facility Site Name: FLP FLORIDA LIGHT & POWER KRAMER SEGS
Primary SIC Code: 4911
NAICS Code: 221114
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM
HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-11-19 00:00:00
Activity Status Date: 2016-02-19 18:13:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2016-02-11 00:00:00
Activity Status Date: 2016-02-11 17:36:13
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2016-02-19 00:00:00
Activity Status Date: 2016-02-19 18:14:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: Not reported
Activity Status Date: 1995-04-03 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-11-19 00:00:00
Activity Status Date: 2016-02-19 18:13:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2016-02-11 00:00:00
Activity Status Date: 2016-02-11 17:36:13
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2016-02-19 00:00:00
Activity Status Date: 2016-02-19 18:14:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1987-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1989-01-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1989-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1990-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1992-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1993-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 1993-04-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1994-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1996-02-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1996-03-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1996-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1996-11-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1997-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1997-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1997-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1998-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1998-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-12-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2001-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2001-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2002-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date:	2003-06-09 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2003-06-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2003-06-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2003-06-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2003-06-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-10-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-10-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2003-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-02-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-06-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2005-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2010-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2011-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-12-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2012-12-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2013-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date:	2013-09-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2013-09-18 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2013-12-03 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	2013-12-31 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Performance Standards
Activity Date:	1995-01-23 00:00:00
Activity Status Date:	1995-01-23 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1996-07-23 00:00:00
Activity Status Date: 1996-07-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 1995-04-03 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-11-19 00:00:00
Activity Status Date: 2016-02-19 18:13:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2016-02-11 00:00:00
Activity Status Date: 2016-02-11 17:36:13
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2016-02-19 00:00:00
Activity Status Date: 2016-02-19 18:14:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1987-08-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1993-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1996-03-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1996-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1996-11-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1997-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1997-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1997-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1998-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 1999-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1999-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1999-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1999-12-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2001-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2001-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2002-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-06-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-06-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-10-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-10-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2003-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2004-02-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2004-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2004-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-06-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2007-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2007-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2008-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2008-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2009-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2010-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2011-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2011-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2011-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2011-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2011-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2011-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2011-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-12-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2012-12-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2013-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2013-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2013-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2013-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2013-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2013-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2013-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2013-12-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1995-01-23 00:00:00
Activity Status Date: 1995-01-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1996-07-23 00:00:00
Activity Status Date: 1996-07-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-11-19 00:00:00
Activity Status Date: 2016-02-19 18:13:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2016-02-11 00:00:00
Activity Status Date: 2016-02-11 17:36:13
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2016-02-19 00:00:00
Activity Status Date: 2016-02-19 18:14:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1995-03-27 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1995-04-03 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 1996-08-09 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1992-03-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-04-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-11-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 1994-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-02-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-03-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-11-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-02-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-02-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-03-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-12-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2001-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-03-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-11-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-10-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2003-10-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-02-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-06-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-06-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-06-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-06-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2005-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-09-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2008-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2010-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-12-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-09-11 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-09-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-09-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2012-09-14 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2012-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-12-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-12-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-12-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-01-23 00:00:00
Activity Status Date: 1995-01-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-07-23 00:00:00
Activity Status Date: 1996-07-23 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2006-02-16 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-08 00:00:00
Activity Status Date: 2015-04-16 18:42:30
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-09 00:00:00
Activity Status Date: 2015-04-16 18:50:57
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-10 00:00:00
Activity Status Date: 2015-04-16 18:53:18
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-11 00:00:00
Activity Status Date: 2015-04-16 18:54:58
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-12 00:00:00
Activity Status Date: 2015-04-16 18:56:25
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date:	2014-10-10 00:00:00
Activity Status Date:	2015-04-16 18:38:49
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2014-12-02 00:00:00
Activity Status Date:	2016-02-11 17:35:06
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-08-24 00:00:00
Activity Status Date:	2016-02-11 17:41:52
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-08-25 00:00:00
Activity Status Date:	2016-02-11 17:43:51
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2015-08-26 00:00:00
Activity Status Date:	2016-02-11 17:45:24
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-27 00:00:00
Activity Status Date: 2016-02-11 17:46:37
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-27 00:00:00
Activity Status Date: 2016-02-18 18:51:57
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-28 00:00:00
Activity Status Date: 2016-02-11 17:48:23
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-08-28 00:00:00
Activity Status Date: 2016-02-18 18:53:22
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-11-19 00:00:00
Activity Status Date: 2016-02-19 18:13:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-12-11 00:00:00
Activity Status Date: 2016-02-11 17:38:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-11 00:00:00
Activity Status Date: 2016-02-11 17:36:13
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-02-19 00:00:00
Activity Status Date: 2016-02-19 18:14:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-01-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-12-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-01-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2000-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-08-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-08-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-08-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-12-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-03-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-03-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-03-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-11-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-06-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2003-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-08-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-06-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-01-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-06-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-06-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-06-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2005-06-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-06-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-07-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-08-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-08-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-07-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-07-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2007-07-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-08-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-09-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-08-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-03-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2009-12-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-12-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-04-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-08-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Date: 2012-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-12-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-12-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-06-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-09-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-09-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAMDA00006071M0049
Facility Registry ID: 110006820431
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

FLP FLORIDA LIGHT & POWER KRAMER SEGS (Continued) **1004440186**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2013-12-31 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-01-10 00:00:00
Activity Status Date:	2006-01-10 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Formal
Activity Status:	Final Order Issued
Region Code:	09
Programmatic ID:	AIR CAMDA00006071M0049
Facility Registry ID:	110006820431
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2005-11-17 00:00:00
Activity Status Date:	2005-11-17 00:00:00
Activity Group:	Enforcement Action
Activity Type:	Administrative - Informal
Activity Status:	Achieved

E84 **LUZ ENGINEERING CORP SEGS IV** **RCRA-SQG** **1000112571**
ENE **41100 HWY 395** **CAD981620321**
< 1/8 **BORON, CA 93516**
0.021 mi.
112 ft. **Site 62 of 62 in cluster E**

Actual:
2452 ft.

Focus Map:
54

RCRA-SQG:

Date Form Received by Agency:	19960901
Handler Name:	LUZ ENGINEERING CORP SEGS IV
Handler Address:	41100 HWY 395
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAD981620321
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported

LUZ ENGINEERING CORP SEGS IV (Continued) **1000112571**

Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	5
Mailing Address:	PO BOX 357
Mailing City,State,Zip:	DAGGETT, CA 92327
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported

LUZ ENGINEERING CORP SEGS IV (Continued) **1000112571**

Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LUZ SOLAR PARTNERS LTD IV
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name:	LUZ ENGINEERING CORP SEGS IV
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19870102

LUZ ENGINEERING CORP SEGS IV (Continued) **1000112571**

Handler Name: LUZ ENGINEERING CORP SEGS IV
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

85
NNE
< 1/8
0.022 mi.
117 ft.

Actual:
2393 ft.

Focus Map:
42

RIO TINTO - BORON BAP 8 **CUPA Listings** **S127088202**
14776 GEPHART RD **N/A**
EDWARDS, CA

KERN CO CUPA:
Facility ID: FA0048880
CERS ID: 10853752
Name: RIO TINTO - BORON BAP 8
Address: 14776 GEPHART RD
Address 2: Not reported
City,State,Zip: EDWARDS, CA
Billing Status: Active, billable
Program Element: BUS PLAN MED LOW RISK 1 UNIT
Program Element Code: CB2T
HMIRRP Due Date: Not reported
Current Inspection Date: 1/1/2021
Employee: CUPA 3
Mailing Address: 391 N. Main Street #302
Mailing Address 2: Not reported
Mailing City: Corona
Mailing State: CA
Mailing Zip: 92880

D86 **FEDERAL PRISON CAMP** **LUST** **1000214127**
WSW **HWY 395** **HIST UST** **N/A**
< 1/8 **BORON, CA 93516** **Cortese**
0.023 mi. **HIST CORTESE**
121 ft. **Site 6 of 19 in cluster D**

Actual:
2478 ft.

Focus Map:
54

LUST Region 6V:

Name:	FEDERAL PRISON CAMP
Address:	HWY 395
City:	BORON
Region:	6V
Case Number:	6B1500139T
Leak Record:	1/11/1990
Report Date:	10/27/1989
Reported By Address:	Not reported
Responsible Party:	FEDERAL PRISON CAMP
Operator:	FED GOVT
Cross Street:	6 MI NORTH OF HWY 58
Local Agency:	15000L
Regional Board:	6V
Chemical:	Regular Gasoline
Case Type:	Soil only
Funding:	Not reported
Enforce Type:	SEL
How Found:	Tank Closure
How Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T0602900834
Stop Date:	9/29/1989
Leak Confirm:	1/11/1990
Submit Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	Not reported
Discovered:	9/29/1989
Enforce Date:	Not reported
Review Date:	1/11/1990
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
MTBE class:	*
Max MTBE Grnd Wtr:	Not reported
Max MTBE Soil:	Not reported
MTBE Counts:	0
MTBE Fuel:	1
MTBE Tested:	NT
Organization Name:	Not reported
Status:	Leak being confirmed
Contact:	Not reported
Interim Action:	Not reported
Pilot Program:	LOP
Lat/Long:	35 / -117.6589265
Staff Initials:	GDC
Local Agency Staff:	SBC
Lead Agency:	Local Agency
Summary:	Not reported

FEDERAL PRISON CAMP (Continued) **1000214127**

Basin Number: ANTELOPE VALLEY (6-4
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: Not reported
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 12685.89837
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

HIST UST:

Name:	FEDERAL PRISON CAMP
Address:	PO BOX 500
City,State,Zip:	BORON, CA 93516
File Number:	00029A84
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029A84.pdf
Region:	STATE
Facility ID:	00000068870
Facility Type:	Other
Other Type:	FEDERAL PRISON CAMP
Contact Name:	STEVE BRECKENRIDGE
Telephone:	6197625161
Owner Name:	BUREAU OF PRISONS, FEDERAL PRI
Owner Address:	P.O. BOX 500
Owner City,St,Zip:	BORON, CA 93516-500
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00003000
Tank Used for:	WASTE
Type of Fuel:	1
Container Construction Thickness:	X
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	101
Year Installed:	1951
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Click here for Geo Tracker PDF:

CORTESE:

Name:	FEDERAL PRISON CAMP
Address:	HWY 395
City,State,Zip:	BORON, CA 93516
Region:	CORTESE

FEDERAL PRISON CAMP (Continued) **1000214127**

Envirostor Id:	Not reported
Global ID:	T0602900834
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

edr_fname:	FEDERAL PRISON CAMP
edr_fadd1:	HWY 395
City,State,Zip:	BORON, CA 93516
Region:	CORTESE
Facility County Code:	15
Reg By:	LTNKA
Reg Id:	6B1500139T

---

87 **OFF BASE ADACENT AREA 1** **UXO** **1024715749**
South **N/A**
< 1/8 **EDWARDS AFB, CA**
0.023 mi.
123 ft.

Actual:
2290 ft.

Focus Map:
49

UXO:

DoD Component:	Air Force
Installation Name:	EDWARDS AIR FORCE BASE
Name:	OFF BASE ADACENT AREA 1
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA
Site ID:	AL505-1
Site Type:	Air to Land
Latitude:	35.013552
Longitude:	-117.839974

F88 **FOUR CORNERS SERVICES** **UST** **U004118123**
ENE **40808 STATE HIGHWAY 395** **N/A**
< 1/8 **KRAMER JUNCTION, CA 95316**
0.023 mi.
123 ft. **Site 1 of 2 in cluster F**

Actual:
2465 ft.

Focus Map:
54

UST:

Name:	FOUR CORNERS SERVICES
Address:	40808 STATE HIGHWAY 395
City,State,Zip:	KRAMER JUNCTION, CA 95316
Facility ID:	86007828
Permitting Agency:	SAN BERNARDINO COUNTY
Latitude:	34.9938982872042
Longitude:	-117.542681694031

F89 **FOUR CORNERS SERVICES** **San Bern. Co. Permit** **S106910864**
ENE **40808 HWY 395** **N/A**
< 1/8 **KRAMER JUNCTION, CA 95316**
0.023 mi.
123 ft. **Site 2 of 2 in cluster F**

Actual:
2465 ft.

Focus Map:
54

San Bern. Co. Permit:

Name:	FOUR CORNERS SERVICES
Address:	40808 HWY 395
City,State,Zip:	KRAMER JUNCTION, CA 95316
Region:	SAN BERNARDINO
Facility ID:	FA0003324
Owner:	DARR, JAMES
Permit Number:	PT0001802
Permit Category:	HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status:	INACTIVE
Expiration Date:	07/31/2010

Name:	FOUR CORNERS SERVICES
Address:	40808 HWY 395
City,State,Zip:	KRAMER JUNCTION, CA 95316
Region:	SAN BERNARDINO
Facility ID:	FA0003324
Owner:	DARR, JAMES
Permit Number:	PT0012345
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	INACTIVE
Expiration Date:	07/31/2010

Name:	FOUR CORNERS SERVICES
Address:	40808 HWY 395
City,State,Zip:	KRAMER JUNCTION, CA 95316
Region:	SAN BERNARDINO
Facility ID:	FA0003324
Owner:	DARR, JAMES
Permit Number:	PT0012346
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	INACTIVE
Expiration Date:	07/31/2010

Name:	FOUR CORNERS SERVICES
Address:	40808 HWY 395
City,State,Zip:	KRAMER JUNCTION, CA 95316
Region:	SAN BERNARDINO
Facility ID:	FA0003324

FOUR CORNERS SERVICES (Continued) **S106910864**

Owner: DARR, JAMES
Permit Number: PT0012347
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: INACTIVE
Expiration Date: 07/31/2010

D90 **PILOT TRAVEL CENTERS LLC** **EDR Hist Auto** **1022087827**
WSW **5725 E STATE HIGHWAY 58** **N/A**
< 1/8 **BORON, CA 93516**
0.026 mi.
135 ft. **Site 7 of 19 in cluster D**

Actual: EDR Hist Auto
2480 ft.

Focus Map: Year: Name: Type:
54 2007 PILOT TRAVEL CENTERS LLC Gasoline Service Stations, NEC
2008 PILOT TRAVEL CENTERS LLC Gasoline Service Stations, NEC

G91 **FOUR CORNERS UNION** **RGA LUST** **S114623772**
ENE **HWY. 395 AND HWY. 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA**
0.028 mi.
147 ft. **Site 1 of 16 in cluster G**

Actual: RGA LUST:
2477 ft.
Name: FOUR CORNERS UNION
Focus Map: Address: HWY. 395 AND HWY. 58
54 City: KRAMER JUNCTION
State: KRAMER JUNCTION
1992 FOUR CORNERS UNION HWY. 395 AND HWY. 58

G92 **GHAZALEH MOBIL** **HWTS** **S124940005**
ENE **395 & 58 HWY** **N/A**
< 1/8 **BORON, CA 93516**
0.028 mi.
147 ft. **Site 2 of 16 in cluster G**

Actual: HWTS:
2477 ft.
Name: GHAZALEH MOBIL
Focus Map: Address: 395 & 58 HWY
54 Address 2: Not reported
City,State,Zip: BORON, CA 935160000
EPA ID: CAL923005325
Inactive Date: 06/30/1999
Create Date: 10/26/1992
Last Act Date: 04/11/2000
Mailing Name: 395 & 58 HWY
Mailing Address: US HWY 395
Mailing Address 2: Not reported
Mailing City,State,Zip: BORON, CA 935160000
Owner Name: YOUSEF GHAZALEH
Owner Address: 395 & 58 HWY
Owner Address 2: Not reported
Owner City,State,Zip: BORON, CA 935160000
Contact Name: YOUSEF GHAZALEH OWNER

GHAZALEH MOBIL (Continued) **S124940005**

Contact Address: INACT 99VQ FINAL NOTICE - BATCH
Contact Address 2: 4/11/00
City,State,Zip: BORON, CA 935160000

G93 **CAL TRANS DIST 8/NORTHEAST CORNER** **SWEEPS UST** **S106923773**
ENE **HIGHWAYS 58 & 395** **N/A**
< 1/8 **KRAMER, CA 93516**
0.028 mi.
147 ft. **Site 3 of 16 in cluster G**

Actual:
2477 ft.

Focus Map:
54

SWEEPS UST:

Name:	CAL TRANS DIST 8/NORTHEAST CORNER
Address:	HIGHWAYS 58 & 395
City:	KRAMER
Status:	Not reported
Comp Number:	815
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-000815-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	PETROLEUM &
Number Of Tanks:	2

Name:	CAL TRANS DIST 8/NORTHEAST CORNER
Address:	HIGHWAYS 58 & 395
City:	KRAMER
Status:	Not reported
Comp Number:	815
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	36-000-000815-000002
Tank Status:	Not reported
Capacity:	1000
Active Date:	Not reported
Tank Use:	PETROLEUM
STG:	WASTE
Content:	PETROLEUM &
Number Of Tanks:	Not reported

G94 **SOUTHERN CALIFORNIA EDISON INC** **HWTS** **S124565767**
ENE **CORNER OF HWY 58 & HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.028 mi.
147 ft. **Site 4 of 16 in cluster G**

Actual: **2477 ft.**

Focus Map: **54**

HWTS:

Name:	SOUTHERN CALIFORNIA EDISON INC
Address:	CORNER OF HWY 58 & HWY 395
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC002289385
Inactive Date:	09/11/2001
Create Date:	11/13/2000
Last Act Date:	09/11/2001
Mailing Name:	Not reported
Mailing Address:	2244S WALNUT GROVE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	ROSEMEAD, CA 917700000
Owner Name:	SOUTHERN CALIFORNIA EDISON INC
Owner Address:	2244S WALNUT GROVE AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	ROSEMEAD, CA 917700000
Contact Name:	JIM MANZAR
Contact Address:	2244S WALNUT GROVE AVE
Contact Address 2:	Not reported
City,State,Zip:	ROSEMEAD, CA 917700000

G95 **WAYSTATION UNOCAL 76** **FINDS** **1025451045**
ENE **HIGHWAY 58 AND 395** **N/A**
< 1/8 **BORON, CA 93516**
0.028 mi.
147 ft. **Site 5 of 16 in cluster G**

Actual: **2477 ft.**

Focus Map: **54**

FINDS:
Registry ID: 110070521757

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

G96 **G & M MOBIL SERVICE** **EDR Hist Auto** **1020594907**
ENE **HWY 58 & HWY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.028 mi.
147 ft. **Site 6 of 16 in cluster G**

Actual: **2477 ft.**

Focus Map: **54**

EDR Hist Auto

Year:	Name:	Type:
1969	G & M MOBIL SERVICE	Gasoline Service Stations
1969	G & M MOBIL SERVICE	Gasoline Service Stations
1970	G & M MOBIL SERVICE	Gasoline Service Stations
1971	G & M MOBIL SERVICE	Gasoline Service Stations
1972	G & M MOBIL SERVICE	Gasoline Service Stations
1973	G & M MOBIL SERVICE	Gasoline Service Stations

G & M MOBIL SERVICE (Continued) **1020594907**

1974	G & M MOBIL SERVICE	Gasoline Service Stations
1975	G & M MOBIL SERVICE	Gasoline Service Stations

G97 **FOUR CORNERS UNOCAL** **HIST CORTESE** **S105024313**
ENE **HWY 395 & HWY 58** **N/A**
< 1/8 **KRAMER JCT, CA 93516**
0.028 mi.
147 ft. **Site 7 of 16 in cluster G**

Actual:
2477 ft.

Focus Map:
54

HIST CORTESE:

edr_fname:	FOUR CORNERS UNOCAL
edr_fadd1:	HWY 395 & HWY 58
City,State,Zip:	KRAMER JCT, CA 93516
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	6B3600205T

G98 **KRAMER SERVICES CORPORATION** **EDR Hist Auto** **1020504690**
ENE **HWY 395 & HWY 58** **N/A**
< 1/8 **BORON, CA 93516**
0.028 mi.
147 ft. **Site 8 of 16 in cluster G**

Actual:
2477 ft.

Focus Map:
54

EDR Hist Auto

Year:	Name:	Type:
1998	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1999	KRAMER SERVICES CORPORATION	Gasoline Service Stations

G99 **ERNS** **97378005**
ENE **HWY 395 AND HWY 58** **N/A**
< 1/8 **BORON, CA**
0.028 mi.
147 ft. **Site 9 of 16 in cluster G**

Actual:
2477 ft.

Focus Map:
54

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

G100 **SCE KRAMER SUBSTATION** **San Bern. Co. Permit** **S121309507**
ENE **HIGHWAY 395 & HIGHWAY 58** **CERS** **N/A**
< 1/8 **BORON, CA 93516**
0.028 mi.
147 ft. **Site 10 of 16 in cluster G**

Actual:
2477 ft.

Focus Map:
54

San Bern. Co. Permit:

Name:	SCE KRAMER SUBSTATION
Address:	HIGHWAY 395 & HIGHWAY 58
City,State,Zip:	BORON, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0000093
Owner:	Southern California Edison
Permit Number:	PT0000326
Permit Category:	HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status:	ACTIVE
Expiration Date:	02/28/2022

Name:	SCE KRAMER SUBSTATION
Address:	HIGHWAY 395 & HIGHWAY 58
City,State,Zip:	BORON, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0000093
Owner:	Southern California Edison
Permit Number:	PT0019986
Permit Category:	APSA EXEMPT
Facility Status:	ACTIVE
Expiration Date:	02/28/2020

Name:	SCE KRAMER SUBSTATION
Address:	HIGHWAY 395 & HIGHWAY 58
City,State,Zip:	BORON, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0000093
Owner:	Southern California Edison
Permit Number:	PT0019985
Permit Category:	EPCRA FACILITY
Facility Status:	INACTIVE
Expiration Date:	02/28/2014

CERS:

Name:	SCE KRAMER SUBSTATION
Address:	HIGHWAY 395 & HIGHWAY 58
City,State,Zip:	BORON, CA 93516
Site ID:	65685
CERS ID:	10034221
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-29-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - APSA EXEMPT
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection

SCE KRAMER SUBSTATION (Continued) **S121309507**

Eval Date:	10-29-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-29-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	INSPECTION - BP
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-29-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	APSA
Eval Source:	CERS

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	Roslyn Woods
Entity Title:	Consultant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91770
Affiliation Phone:	(626) 302-1212

Affiliation Type Desc:	Property Owner
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91770
Affiliation Phone:	(626) 302-1212

SCE KRAMER SUBSTATION (Continued) **S121309507**

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Environmental Contact
Entity Name:	Environmental Notification Center
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Roslyn Woods
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported

SCE KRAMER SUBSTATION (Continued) **S121309507**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 302-1212

G101 **FOUR CORNERS UNOCAL** **RGA LUST** **S114623779**
ENE **HWY 395 & HWY 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA**
0.028 mi.
147 ft. **Site 11 of 16 in cluster G**

Actual: RGA LUST:
2477 ft.
Name: FOUR CORNERS UNOCAL
Focus Map: Address: HWY 395 & HWY 58
54 City: KRAMER JUNCTION
State: KRAMER JUNCTION
2008 FOUR CORNERS UNOCAL HWY 395 & HWY 58
Name: FOUR CORNERS UNOCAL
Address: HWY 395 & HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2007 FOUR CORNERS UNOCAL HWY 395 & HWY 58
Name: FOUR CORNERS UNOCAL
Address: HWY 395 & HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2006 FOUR CORNERS UNOCAL HWY 395 & HWY 58
Name: FOUR CORNERS UNOCAL
Address: HWY 395 & HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2005 FOUR CORNERS UNOCAL HWY 395 & HWY 58
Name: FOUR CORNERS UNOCAL
Address: HWY 395 & HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
1998 FOUR CORNERS UNOCAL HWY 395 & HWY 58
Name: FOUR CORNERS UNOCAL
Address: HWY 395 & HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
1997 FOUR CORNERS UNOCAL HWY 395 & HWY 58

G102 **KIEWIT INFRASTRUCTURE WEST CO.** **EMI** **S127522879**
ENE **STATE ROUTE 58 & HIGHWAY 395** **N/A**
< 1/8 **BORON, CA 93516**
0.028 mi.
147 ft. **Site 12 of 16 in cluster G**

Actual: EMI:
2477 ft.
Name: KIEWIT INFRASTRUCTURE WEST CO.
Focus Map: Address: STATE ROUTE 58 & HIGHWAY 395
54 City,State,Zip: BORON, CA 93516
Year: 2019
County Code: 36
Air Basin: MD

KIEWIT INFRASTRUCTURE WEST CO. (Continued) **S127522879**

Facility ID:	3805
Air District Name:	MOJ
SIC Code:	3273
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.040865704041
Reactive Organic Gases Tons/Yr:	0.035900521
Carbon Monoxide Emissions Tons/Yr:	0.281615474
NOX - Oxides of Nitrogen Tons/Yr:	0.932434033
SOX - Oxides of Sulphur Tons/Yr:	0.003069599
Particulate Matter Tons/Yr:	2.9143973802
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.180989874

G103 **PILOT TRAVEL CTR 200** **CIWQS** **S121664270**
ENE **US 395 AND US 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516**
0.028 mi.
147 ft. **Site 13 of 16 in cluster G**

Actual:
2477 ft.

Focus Map:
54

CIWQS:

Name:	PILOT TRAVEL CTR 200
Address:	US 395 AND US 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Agency:	Pilot Corp
Agency Address:	5508 Lonas Dr, Knoxville, TN 37909
Place/Project Type:	Industrial - Petroleum Bulk Stations and Terminals
SIC/NAICS:	5171
Region:	6V
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	6B36I015896
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	06/27/2000
Termination Date:	07/03/2000
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

G104 **PILOT TRAVEL CTR 200** **CIWQS** **S121664269**
ENE **US 395 & US 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA**
0.028 mi.
147 ft. **Site 14 of 16 in cluster G**

Actual: CIWQS:
2477 ft.

Name:	PILOT TRAVEL CTR 200
Address:	US 395 & US 58
City,State,Zip:	KRAMER JUNCTION, CA
Agency:	Pilot Corp
Agency Address:	5508 Lonas Dr, Knoxville, TN 37909
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	6B36C313482
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/28/2000
Termination Date:	06/07/2001
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

Focus Map:
54

G105 **FOUR CORNERS UNOCAL** **RGA LUST** **S114623774**
ENE **HWY 395 & HWY 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA**
0.028 mi.
147 ft. **Site 15 of 16 in cluster G**

Actual: RGA LUST:
2477 ft.

Name:	FOUR CORNERS UNOCAL	
Address:	HWY 395 & HWY 58	
City:	KRAMER JUNCTION	
State:	KRAMER JUNCTION	
	2003 FOUR CORNERS UNOCAL	HWY 395 & HWY 58
Name:	FOUR CORNERS UNOCAL	
Address:	HWY 395 & HWY 58	
City:	KRAMER JUNCTION	
State:	KRAMER JUNCTION	
	2000 FOUR CORNERS UNOCAL	HWY 395 & HWY 58

Focus Map:
54

G106 **WAYSTATION UNOCAL 76** **EMI** **S118495197**
ENE **HIGHWAY 58 AND 395** **N/A**
< 1/8 **BORON, CA 93516**
0.028 mi.
147 ft. **Site 16 of 16 in cluster G**

Actual:
2477 ft.

Focus Map:
54

EMI:

Name:	WAYSTATION UNOCAL 76
Address:	HIGHWAY 58 AND 395
City,State,Zip:	BORON, CA 93516
Year:	2014
County Code:	36
Air Basin:	MD
Facility ID:	99000740
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.253506263
Reactive Organic Gases Tons/Yr:	0.253506263
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	WAYSTATION UNOCAL 76
Address:	HIGHWAY 58 AND 395
City,State,Zip:	BORON, CA 93516
Year:	2015
County Code:	36
Air Basin:	MD
Facility ID:	99000740
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.239593686
Reactive Organic Gases Tons/Yr:	0.239593686
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	WAYSTATION UNOCAL 76
Address:	HIGHWAY 58 AND 395
City,State,Zip:	BORON, CA 93516
Year:	2016
County Code:	36
Air Basin:	MD
Facility ID:	99000740
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

WAYSTATION UNOCAL 76 (Continued) **S118495197**

Total Organic Hydrocarbon Gases Tons/Yr:	0.239593686
Reactive Organic Gases Tons/Yr:	0.239593686
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	WAYSTATION UNOCAL 76
Address:	HIGHWAY 58 AND 395
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	36
Air Basin:	MD
Facility ID:	99000740
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.342355773
Reactive Organic Gases Tons/Yr:	0.342355773
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	WAYSTATION UNOCAL 76
Address:	HIGHWAY 58 AND 395
City,State,Zip:	BORON, CA 93516
Year:	2018
County Code:	36
Air Basin:	MD
Facility ID:	740
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.296
Reactive Organic Gases Tons/Yr:	0.296
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	WAYSTATION UNOCAL 76
Address:	HIGHWAY 58 AND 395
City,State,Zip:	BORON, CA 93516
Year:	2019
County Code:	36
Air Basin:	MD
Facility ID:	740
Air District Name:	MOJ
SIC Code:	5541

WAYSTATION UNOCAL 76 (Continued) **S118495197**

Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.231
Reactive Organic Gases Tons/Yr:	0.231
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

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107 **UNNAMED QUARRY** **MINES MRDS** **1025734600**
East **N/A**
< 1/8 **EDWARDS, CA 93523**
0.039 mi.
208 ft.

Actual:
2434 ft.

Focus Map:
39

MINES MRDS:

Name:	UNNAMED QUARRY
Address:	Not reported
Deposit identification Number:	10260709
City,State,Zip:	EDWARDS, CALIFORNIA 93523
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10260709
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060290063
Region:	NA
Country:	United States
Primary Commodities:	Stone, Crushed/Broken
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Past Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Broken Stone #3
Ore Controls:	Not reported
Reporter:	Raney, Russell G.
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported

UNNAMED QUARRY (Continued) **1025734600**

Production History: Not reported
Discovery Information: Not reported
Latitude: 35.0453
Longitude: -117.8806

D108 **PILOT TRAVEL CENTER #200** **CERS HAZ WASTE** **S109430315**
WSW **5725 HWY 58** **CERS TANKS** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516** **EMI**
0.040 mi. **San Bern. Co. Permit**
209 ft. **Site 8 of 19 in cluster D** **CERS**

Actual:
2480 ft.

Focus Map:
54

CERS HAZ WASTE:
Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Site ID: 143833
CERS ID: 10043119
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Site ID: 143833
CERS ID: 10043119
CERS Description: Underground Storage Tank

EMI:
Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Year: 2014
County Code: 36
Air Basin: MD
Facility ID: 35202427
Air District Name: MOJ
SIC Code: 5541
Air District Name: MOJAVE DESERT AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.769800637
Reactive Organic Gases Tons/Yr: 0.769800637
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Year: 2015
County Code: 36
Air Basin: MD
Facility ID: 35202427
Air District Name: MOJ
SIC Code: 5541

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.727553514
Reactive Organic Gases Tons/Yr:	0.727553514
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2016
County Code:	36
Air Basin:	MD
Facility ID:	35202427
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.727553514
Reactive Organic Gases Tons/Yr:	0.727553514
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2017
County Code:	36
Air Basin:	MD
Facility ID:	35202427
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.858618222
Reactive Organic Gases Tons/Yr:	0.858618222
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2018
County Code:	36
Air Basin:	MD

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Facility ID:	2427
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.739
Reactive Organic Gases Tons/Yr:	0.739
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2019
County Code:	36
Air Basin:	MD
Facility ID:	2427
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.647
Reactive Organic Gases Tons/Yr:	0.647
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

San Bern. Co. Permit:

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0005327
Owner:	PILOT TRAVEL CENTERS, LLC
Permit Number:	PT0010524
Permit Category:	COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	12/31/2021

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0005327
Owner:	PILOT TRAVEL CENTERS, LLC
Permit Number:	PT0010525
Permit Category:	COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	12/31/2021

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0005327
Owner: PILOT TRAVEL CENTERS, LLC
Permit Number: PT0010526
Permit Category: COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status: ACTIVE
Expiration Date: 12/31/2021

Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0005327
Owner: PILOT TRAVEL CENTERS, LLC
Permit Number: PT0010527
Permit Category: COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status: ACTIVE
Expiration Date: 12/31/2021

Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0005327
Owner: PILOT TRAVEL CENTERS, LLC
Permit Number: PT0010528
Permit Category: COMPLEX ANNUAL INSP VPH/ > 8 DISP (PER TANK)
Facility Status: ACTIVE
Expiration Date: 12/31/2021

Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0005327
Owner: PILOT TRAVEL CENTERS, LLC
Permit Number: PT0009886
Permit Category: HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status: ACTIVE
Expiration Date: 12/31/2021

Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0005327
Owner: PILOT TRAVEL CENTERS, LLC
Permit Number: PT0020087
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status: ACTIVE
Expiration Date: 12/31/2021

Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0005327
Owner: PILOT TRAVEL CENTERS, LLC
Permit Number: PT0036972
Permit Category: APSA 10,001-100,000 GAL FAC CAPACITY
Facility Status: INACTIVE
Expiration Date: 12/31/2017

CERS:
Name: PILOT TRAVEL CENTER #200
Address: 5725 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Site ID: 143833
CERS ID: 10043119
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Violation Date: 04-28-2017
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes: Returned to compliance on 04/28/2017. OBSERVATION: A TANK DIP STICK WAS OBSERVED IN THE 91 PRODUCT FILL TUBE. THE STICK DISCOVERED IN THE DROP TUBE WILL PREVENT THE MECHANICAL FLAPPER FROM OPERATING. NOTE: IF THE STICK WERE TO REMAIN UNNOTICED, THERE IS THE POSSIBILITY THE TURBIDITY OF OFF LOADED FUEL ENTERING COULD ROTATE THE STICK, WHICH COULD RESULT IN A DAMAGED DAMAGED THE TANK $$$$. COMPLIANCE MET ON SITE: TECHNICIAN REMOVED STICK FROM TANK.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Violation Date: 04-28-2015
Citation: 23 CCR 16 2644.1(a)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(3)
Violation Description: Failure to conduct the required enhanced leak detection testing for single walled UST systems located within 1,000 feet of a public drinking water well every 36 months.
Violation Notes: Returned to compliance on 08/24/2015. EITHER COMPLETE ELD TESTING OR COMPLETE REQUEST FOR RECONSIDERATION. SEE ATTACHED LINKS FOR FURTHER INFORMATION.

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-17-2019
Citation:	23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description:	Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes:	Returned to compliance on 04/17/2019. OBSERVATION: 91 line leak detector -Failed. Technician replaced line leak detector and retested G Passed. Corrected on-site. No further action required.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-17-2019
Citation:	HSC 6.7 25284(a)(3)(A)&(B) - California Health and Safety Code, Chapter 6.7, Section(s) 25284(a)(3)(A)&(B)
Violation Description:	Failure to implement or maintain a written agreement between the UST owner and operator.
Violation Notes:	Returned to compliance on 04/22/2019. OBSERVATION: Missing Owner/Operator written agreement. CORRECTIVE ACTION: Submit Owner/Operator written agreement via CERS. If Owner/Operator are the same G select G ExemptG .
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-28-2014
Citation:	HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description:	UST Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 09/22/2014. Failure to obtain a UST construction permit and plan approval (CHSC 25270.4.5(a)) Failure to obtain a UST construction permit and plan approval (SBCC 23.0603(a)) OBSERVATION: FACILITY CONVERTED THREE(3) DIESEL TANKS TO B 20 BIO-DIESEL FUEL TANK WITHOUT OBTAINING A PERMIT. COMPLIANCE REQUIREMENT: FACILITY MUST APPLY FOR A UST MODIFICATION PERMIT AND SUBMIT AS-BUILT PLANS TO THIS DEPARTMENT WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-28-2015

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Citation:	HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description:	Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes:	Returned to compliance on 09/15/2015. HAZARDOUS WASTE OBSERVED ON SITE IS NOT DISCLOSED ON INVENTORY ON CERS DATA BASE. UPDATE INVENTORY AND MAP WITHIN 30 DAYS. SIGN CERTIFICATE OF COMPLIANCE AS PROOF OF COMPLIANCE AND EMAIL OR SCAN BACK TO INSPECTOR.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-27-2016
Citation:	HSC 6.7 25290.1(h), 25290.2(g), 25291(f), 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(h), 25290.2(g), 25291(f), 25292(e)
Violation Description:	Failure to install line leak detector.
Violation Notes:	Returned to compliance on 04/27/2016. OBSERVED FAILED 87 MECHANICAL LINE LEAK DETECTOR (MLLD) WHEN TESTED. COMPLIANCE REQUIREMENT: MLLD AND SIPHON JET VALVE WERE REPLACED WITH "LIKE FOR LIKE" EQUIPMENT AND RETESTED BY TECHNICIAN. MLLD PASSED, VIOLATION CORRECTED.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-27-2016
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to submit, obtain approval, or maintain a complete/accurate response plan.
Violation Notes:	Returned to compliance on 05/10/2016. OBSERVED MISSING SENSOR INFORMATION FOR DIESEL UST FILL SUMPS. ONLY TURBINE SUMP SENSORS IDENTIFIED. OBSERVED UST SITE MAP MISSING TRANSITION SUMPS FOR BIODIESEL AST AND BIODIESEL AST. MAP LAST UPDATED 5/8/12. COMPLIANCE REQUIREMENT: UPDATE CERS TO REFLECT ALL SUMP SENSORS AND CURRENT UST SITE MAP. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS. 5/11/16 CERS UPDATED. CORRECTIONS COMPLETED PS
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-22-2015
Citation:	23 CCR 16 2644.1(a)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(3)
Violation Description:	Failure to conduct the required enhanced leak detection testing for single walled UST systems located within 1,000 feet of a public drinking water well every 36 months.

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Violation Notes:	Returned to compliance on 05/12/2015. OBSERVATION: 1) ELD (ENHANCED LEAK DETECTION) RESULTS WERE NOT AVAILABLE FOR REVIEW.2) ELD RESULTS WERE NOT SUBMITTED TO THIS DIVISION. COMPLIANCE REQUIREMENT: SUBMIT ELD RESULTS TO THIS DIVISION. IF FACILITY BELIEVES THAT AN ELD TEST IS NOT REQUIRED, THEN SUBMIT AN ELD EXEMPT FORM. Any questions concerning this inspection report, please contact Theresa Congdon. Facility issued RFR on 5/12/15 violation cleared
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	10-03-2014
Citation:	HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes:	Returned to compliance on 01/28/2015. COMPLIANCE REQUIREMENT: FACILITY MUST OBTAIN A UST MODIFICATION CONSTRUCTION PERMIT AND SUBMIT FEES. A TRANSITION SUMP MUST BE INSTALLED AT THE LOW POINT OF THE PIPING RUN AT THE B20 MIXING SHED. SB989 FAILURES MUST BE IDENTIFIED AND REPAIRS MADE UNDER PERMIT.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-28-2014
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes:	Returned to compliance on 10/03/2014. OBSERVATION: FACILITY CONVERTED DIESEL TANKS TO B 20 BIO-DIESEL TANKS AND FAILED TO UPDATE UST DOCUMENTATION IN CERS. COMPLIANCE REQUIREMENT: FACILITY MUST UPDATE UST DOCUMENTATION IN CERS TO REFLECT CURRENT INVENTORY.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	143833
Site Name:	PILOT TRAVEL CENTER #200
Violation Date:	04-29-2021
Citation:	23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description:	Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes:	Returned to compliance on 05/20/2021. OBSERVATION: 1) The liquid sensor in the Diesel UDC 18 failed when tested- technician replaced and retested new sensor-(passed), 2) the liquid sensor in the UST transition sump failed. COMPLIANCE REQUIREMENT: Submit a copy of the work order documenting the replacement and functionality of the UST transition sump sensor.

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Violation Date: 04-28-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 04/28/2014. Failure to have a written monitoring program with monitoring procedures and response plan. (CCR 2632(d)) OBSERVATION: 87 AND 91 LINE LEAK DETECTORS FAILED DURING INSPECTION. COMPLIANCE REQUIREMENT: LINE LEAK DETECTORS WERE REPLACED AND TESTED DURING INSPECTION. VIOLATION CORRECTED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Violation Date: 04-26-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 12/27/2018. OBSERVED CERS UST INSTALLATION DATES DIFFER FROM OUR DATE OF 9/1/2000. COMPLIANCE REQUIREMENT: UPDATE CERS TO REFLECT CORRECT UST INSTALLATION DATE OF 9/1/2000 OR SUBMIT RECORD REFLECTING 8/30/2000 AS CORRECT UST INSTALLATION DATE AND SUBMIT COPY TO OUR DIVISION. OUR RECORDS WILL THEN BE UPDATED WITH CORRECT INFORMATION. SUBMIT SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-26-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HAZMAT HANDLER UST ONLY INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Eval Date: 04-27-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HAZMAT HANDLER UST ONLY INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-28-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: update inventory to include waste
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST WASTE INSPECTION - PILOT BORON
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST WASTE INSPECTION-BORON
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-21-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST OVERFILL INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST SECONDARY CONTAINMENT TESTING AND PRIMARY PIPING TEST FOR PLAN CHECK PERMIT LOG#011314-03.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-03-2014
Violations Found: Yes

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST CONSTRUCTION INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-27-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-28-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST HANDLER INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-28-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	no waste violations observed
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-29-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST INSPECTION- PILOT BORON
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-10-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Email from facility regarding installing a 10,000 gal tank of biodiesel/ reviewed MSDS/researched biodiesel requirements in APSA/ emailed facility back
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-22-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Eval Notes:	PILOT- UST REVIEWING/ ELD RESULTS- RESULT WERE NOT ON SITE.
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-26-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL UST INSPECTION AND CERS REVIEW
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-28-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Pilot Travel Center Monitoring Certification, 2 SRs, hazwaste/hazmat and ELD
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-29-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST INSPECTION- BORON
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-28-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-28-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	PILOT TRAVEL CENTER- UST INSPECTION AND UST MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-29-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST MONITORING CERT- PILOT BORON
Eval Division:	San Bernardino County Fire Department

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST MONITORING CERTIFICATION- BORON
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Enforcement Action:
Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Site Address: 5725 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 04-22-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Site Address: 5725 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 04-27-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Site Address: 5725 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 04-28-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Site Address: 5725 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Enf Action Date: 04-28-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Site Address: 5725 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 04-28-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 143833
Site Name: PILOT TRAVEL CENTER #200
Site Address: 5725 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 10-03-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: JOEY CUPP
Entity Title: Director, Environmental
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Tank Operator
Entity Name: PILOT TRAVEL CENTERS, LLC
Entity Title: Not reported
Affiliation Address: 5508 LONAS RD.
Affiliation City: KNOXVILLE
Affiliation State: TN
Affiliation Country: United States
Affiliation Zip: 37939
Affiliation Phone: (865) 474-2826

Affiliation Type Desc: Property Owner
Entity Name: PILOT TRAVEL CENTERS, LLC

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Entity Title:	Not reported
Affiliation Address:	5508 LONAS RD
Affiliation City:	KNOXVILLE
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	37939
Affiliation Phone:	(865) 588-7488
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	PILOT TRAVEL CENTERS, LLC
Entity Title:	Not reported
Affiliation Address:	5508 LONAS RD.
Affiliation City:	KNOXVILLE
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	37939
Affiliation Phone:	(865) 474-2826
Affiliation Type Desc:	Document Preparer
Entity Name:	Tara Velleux
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5508 LONAS RD
Affiliation City:	KNOXVILLE
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37939
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	PILOT TRAVEL CENTERS, LLC
Entity Title:	Not reported
Affiliation Address:	5508 LONAS RD
Affiliation City:	KNOXVILLE
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	37939
Affiliation Phone:	(865) 588-7488
Affiliation Type Desc:	Operator
Entity Name:	PILOT TRAVEL CENTERS, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(865) 588-7488

PILOT TRAVEL CENTER #200 (Continued) **S109430315**

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Joey Cupp
Entity Title:	Senior Environmental Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(865) 474-2826

Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401

Affiliation Type Desc:	Environmental Contact
Entity Name:	JOEY CUPP
Entity Title:	Not reported
Affiliation Address:	5508 LONAS DR
Affiliation City:	KNOXVILLE
Affiliation State:	TN
Affiliation Country:	Not reported
Affiliation Zip:	37939
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	PILOT TRAVEL CENTERS, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Owner
Entity Name:	PILOT TRAVEL CENTERS, LLC
Entity Title:	Not reported
Affiliation Address:	5508 LONAS RD.
Affiliation City:	KNOXVILLE
Affiliation State:	TN
Affiliation Country:	United States
Affiliation Zip:	37939
Affiliation Phone:	(865) 474-2826

D109
WSW
< 1/8
0.040 mi.
209 ft.

5725 HWY 58
BORON, CA 68662

Site 9 of 19 in cluster D

CHMIRS **S105884501**
N/A

Actual:
2480 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	5725 HWY 58
City,State,Zip:	BORON, CA 68662
OES Incident Number:	2-3489
OES notification:	06/26/2002
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Asbury Environmental Services
Incident Date:	6/26/200212:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	diesel fuel
Gallons:	150

(Continued) **S105884501**

Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Truck driver backed into another truckers fuel tank. The tank was punctured causing the release.

Name:	Not reported
Address:	5725 HWY 58
City,State,Zip:	BORON, CA
OES Incident Number:	08-2856
OES notification:	04/17/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported

(Continued) **S105884501**

Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1100
Year:	2008
Agency:	Broadbent and Assoc
Incident Date:	4/17/2008
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	30
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A tanker trunk backed into another truck and punctured fuel tank.

D110 **CHMIRS** **S120834246**
WSW **5725 HIGHWAY 58** **N/A**
< 1/8 **BORON, CA 93516**
0.040 mi.
209 ft. **Site 10 of 19 in cluster D**

Actual: CHMIRS:
2480 ft.

Name:	Not reported
Address:	5725 HIGHWAY 58
City,State,Zip:	BORON, CA 93516
OES Incident Number:	17-2884
OES notification:	04/18/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

Focus Map:
54

(Continued) **S120834246**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2130
Year:	2017
Agency:	Broadbent & Associates
Incident Date:	04/18/2017
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Diesel
Quantity Released:	30
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per the caller a semi truck backed into another one puncturing the saddle tank.

D111 **CR ENGLAND TRUCKING INC** **CHMIRS** **S112971823**
WSW **5725 HIGHWAY 58** **HAZNET** **N/A**
< 1/8 **BORON, CA 93516** **HWTS**
0.040 mi.
209 ft. **Site 11 of 19 in cluster D**

Actual:
2480 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	5725 HWY 58
City,State,Zip:	BORON, CA
OES Incident Number:	4-6445
OES notification:	11/12/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1900
Year:	2014
Agency:	Broadbent and Assoc
Incident Date:	11/11/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported

CR ENGLAND TRUCKING INC (Continued) **S112971823**

E Date:	Not reported
Substance:	Diesel
Quantity Released:	2
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	Caller states a mechanical failure of an underground storage tank system resulted in the release of 2 gallons of diesel to release into the under dispenser containment area and pumped back into the tank. Repairs have been completed. No waterways impacted.

HAZNET:

Name:	CR ENGLAND TRUCKING INC
Address:	5725 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	GARY TOOMB
Telephone:	8019743591
Mailing Name:	Not reported
Mailing Address:	PO BOX 27728
Year:	2008
Gepaid:	CAC002632841
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.3

Additional Info:

Year:	2008
Gen EPA ID:	CAC002632841
Shipment Date:	20080724
Creation Date:	12/8/2008 18:30:18
Receipt Date:	20080731
Manifest ID:	003208901JJK
Trans EPA ID:	CAD981377864
Trans Name:	IDR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	CAD982030173

CR ENGLAND TRUCKING INC (Continued) **S112971823**

Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	CR ENGLAND TRUCKING INC
Address:	5725 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002632841
Inactive Date:	01/19/2009
Create Date:	07/22/2008
Last Act Date:	02/04/2009
Mailing Name:	Not reported
Mailing Address:	PO BOX 27728
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SALT LAKE CITY, UT 841270728
Owner Name:	CR ENGLAND TRUCKING INC
Owner Address:	PO BOX 27728
Owner Address 2:	Not reported
Owner City,State,Zip:	SALT LAKE CITY, UT 841270728
Contact Name:	GARY TOOMB
Contact Address:	PO BOX 27728
Contact Address 2:	Not reported
City,State,Zip:	SALT LAKE CITY, UT 841270728

D112 **PILOT TRAVEL CENTER #200** **RCRA NonGen / NLR** **1024816147**
WSW **5725 HIGHWAY 58** **CAL000316603**
< 1/8 **BORON, CA 93516**
0.040 mi.
209 ft. **Site 12 of 19 in cluster D**

Actual:
2480 ft.

Focus Map:
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RCRA NonGen / NLR:

Date Form Received by Agency:	20070220
Handler Name:	PILOT TRAVEL CENTER #200
Handler Address:	5725 HIGHWAY 58
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000316603
Contact Name:	JOEY CUPP
Contact Address:	5508 LONAS DR.
Contact City,State,Zip:	KNOXVILLE, TN 37909
Contact Telephone:	865-474-2826
Contact Fax:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **1024816147**

Contact Email:	JOEY.CUPP@PILOTTRAVELCENTERS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5508 LONAS DR
Mailing City,State,Zip:	KNOXVILLE, TN 37909-3221
Owner Name:	PILOT TRAVEL CENTERS LLC
Owner Type:	Other
Operator Name:	JOEY CUPP
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

PILOT TRAVEL CENTER #200 (Continued) **1024816147**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PILOT TRAVEL CENTERS LLC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5508 LONAS DR
Owner/Operator City,State,Zip:	KNOXVILLE, TN 37909-3221
Owner/Operator Telephone:	865-588-7488
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOEY CUPP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5508 LONAS DR.
Owner/Operator City,State,Zip:	KNOXVILLE, TN 37909
Owner/Operator Telephone:	865-474-2826
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20070220
Handler Name: PILOT TRAVEL CENTER #200	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **1024816147**

List of NAICS Codes and Descriptions:
NAICS Code: 44711
NAICS Description: GASOLINE STATIONS WITH CONVENIENCE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

D113 **PILOT TRAVEL CENTERS LLC** **EDR Hist Auto** **1020679293**
WSW **5725 HIGHWAY 58** **N/A**
< 1/8 **BORON, CA 93516**
0.040 mi.
209 ft. **Site 13 of 19 in cluster D**

Actual: EDR Hist Auto
2480 ft.

Focus Map:
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Year:	Name:	Type:
2001	PILOT TRAVEL CENTERS L L C	Gasoline Service Stations, NEC
2002	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2003	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2004	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2005	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2006	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2009	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2010	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2011	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2012	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2013	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC
2014	PILOT TRAVEL CENTERS LLC	Gasoline Service Stations, NEC

D114 **PILOT TRAVEL CENTER #200** **FINDS** **1024679883**
WSW **5725 HIGHWAY 58** **ECHO** **N/A**
< 1/8 **BORON, CA 93516**
0.040 mi.
209 ft. **Site 14 of 19 in cluster D**

Actual: FINDS:
2480 ft.
Registry ID: 110070468277

Focus Map:
54
Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

PILOT TRAVEL CENTER #200 (Continued) **1024679883**

ECHO:
Envid: 1024679883
Registry ID: 110070468277
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070468277
Name: PILOT TRAVEL CENTER #200
Address: 5725 HIGHWAY 58
City,State,Zip: BORON, CA 93516

D115 **PILOT TRAVEL CENTER #200** **FINDS** **1023351873**
WSW **5725 HWY 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516**
0.040 mi.
209 ft. **Site 15 of 19 in cluster D**

Actual:
2480 ft.

Focus Map:
54

FINDS:
Registry ID: 110066482997

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

D116 **PILOT LLC** **HAZNET** **S112922999**
WSW **5725 HWY 58** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.040 mi.
209 ft. **Site 16 of 19 in cluster D**

Actual:
2480 ft.

Focus Map:
54

HAZNET:
Name: PILOT LLC
Address: 5725 HWY 58
Address 2: Not reported
City,State,Zip: BORON, CA 93516
Contact: BRENDA SMITH
Telephone: 7607620041
Mailing Name: Not reported
Mailing Address: 5725 HWY 58

Year: 2002
Gepaid: CAC002553429
TSD EPA ID: CAT080013352
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: R01 - Recycler
Tons: 0.1815

Year: 2002
Gepaid: CAC002553429
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: R01 - Recycler
Tons: 1.2

PILOT LLC (Continued) **S112922999**

Additional Info:

Year:	2002
Gen EPA ID:	CAC002553429
Shipment Date:	20020626
Creation Date:	1/21/2003 18:31:48
Receipt Date:	20020712
Manifest ID:	21193642
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020626
Creation Date:	3/12/2003 18:31:29
Receipt Date:	20020716
Manifest ID:	21193641
Trans EPA ID:	CAD028277036
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PILOT LLC
Address:	5725 HWY 58
Address 2:	Not reported

PILOT LLC (Continued) **S112922999**

City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002553429
Inactive Date:	03/18/2003
Create Date:	06/26/2002
Last Act Date:	06/26/2002
Mailing Name:	BRENDA SMITH
Mailing Address:	5725 HWY 58
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	PILOT LLC
Owner Address:	5725 HWY 58
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	BRENDA SMITH
Contact Address:	5725 HWY 58
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

D117 **PILOT TRAVEL CENTER #200** **HAZNET** **S113146380**
WSW **5725 HIGHWAY 58** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.040 mi.
209 ft. **Site 17 of 19 in cluster D**

Actual:
2480 ft.

Focus Map:
54

HAZNET:

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA 379093221
Contact:	JOEY CUPP
Telephone:	8654742826
Mailing Name:	Not reported
Mailing Address:	5508 LONAS DR
Year:	2019
Gepaid:	CAL000316603
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.15500
Year:	2019
Gepaid:	CAL000316603
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.05000
Year:	2019
Gepaid:	CAL000316603
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.87570

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Year:	2018
Gepaid:	CAL000316603
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.64500
Year:	2018
Gepaid:	CAL000316603
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.58800
Year:	2018
Gepaid:	CAL000316603
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.31275
Year:	2017
Gepaid:	CAL000316603
TSD EPA ID:	CAD028409019
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.3753
Year:	2017
Gepaid:	CAL000316603
TSD EPA ID:	CAT080013352
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	1.323
Year:	2017
Gepaid:	CAL000316603
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.505
Year:	2016
Gepaid:	CAL000316603
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.5225

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Click this hyperlink while viewing on your computer to access
29 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2014
Gen EPA ID:	CAL000316603
Shipment Date:	20141117
Creation Date:	1/26/2015 22:15:24
Receipt Date:	20141119
Manifest ID:	011679875JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141117
Creation Date:	1/15/2015 22:15:01
Receipt Date:	20141119
Manifest ID:	012769285JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Shipment Date:	20140818
Creation Date:	11/3/2014 22:14:33
Receipt Date:	20140821
Manifest ID:	012769166JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140521
Creation Date:	7/21/2014 22:15:06
Receipt Date:	20140523
Manifest ID:	012769046JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAL000316603

Shipment Date:	20151111
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151120

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Manifest ID:	013886881JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.085
Waste Quantity:	170
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150813
Creation Date:	11/4/2015 22:15:23
Receipt Date:	20150819
Manifest ID:	013886729JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150813
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150819
Manifest ID:	013886723JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150514
Creation Date:	8/28/2015 22:15:17
Receipt Date:	20150520
Manifest ID:	013886573JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150514
Creation Date:	8/10/2015 22:15:21
Receipt Date:	20150520
Manifest ID:	013886574JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150216
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150218
Manifest ID:	012769388JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150216
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150218
Manifest ID:	012769384JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Additional Info:

Year:	2011
Gen EPA ID:	CAL000316603
Shipment Date:	20111230
Creation Date:	3/17/2012 20:30:10
Receipt Date:	20120105
Manifest ID:	008368268JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110712
Creation Date:	1/12/2012 18:30:15
Receipt Date:	20110721
Manifest ID:	008368141JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.019
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110414
Creation Date:	6/16/2011 18:30:10
Receipt Date:	20110419

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Manifest ID:	007288781JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110414
Creation Date:	6/4/2011 18:30:34
Receipt Date:	20110419
Manifest ID:	007288980JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110414
Creation Date:	6/4/2011 18:30:34
Receipt Date:	20110419
Manifest ID:	007288980JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110214
Creation Date:	7/5/2011 18:30:12
Receipt Date:	20110224
Manifest ID:	003717216JJK
Trans EPA ID:	TNR000025429
Trans Name:	TN GENERAL CONSTRUCTION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TNR000025429
Trans Name:	TN GEN CONSTR
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110118
Creation Date:	3/28/2011 18:30:35
Receipt Date:	20110124
Manifest ID:	007289032JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110118
Creation Date:	3/28/2011 18:30:35
Receipt Date:	20110124
Manifest ID:	007289032JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0775
Waste Quantity:	155
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000316603
Shipment Date:	20131203
Creation Date:	1/28/2014 22:15:19
Receipt Date:	20131204
Manifest ID:	011679678JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130909
Creation Date:	10/25/2013 22:15:16
Receipt Date:	20130913
Manifest ID:	011679572JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130909
Creation Date:	10/25/2013 22:15:16
Receipt Date:	20130913
Manifest ID:	011679572JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130610
Creation Date:	8/12/2013 22:15:16
Receipt Date:	20130613

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Manifest ID:	008369447JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130314
Creation Date:	5/3/2013 22:15:44
Receipt Date:	20130315
Manifest ID:	008369356JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130314
Creation Date:	5/3/2013 22:15:44
Receipt Date:	20130315
Manifest ID:	008369356JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 331 - Off-specification, aged, or surplus organics
RCRA Code: D001
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.033
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2007
Gen EPA ID: CAL000316603

Shipment Date: 20071009
Creation Date: 1/25/2008 18:30:07
Receipt Date: 20071017
Manifest ID: 003318594JJK
Trans EPA ID: CAR000152785
Trans Name: CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D018
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.19
Waste Quantity: 380
Quantity Unit: P
Additional Code 1: D001
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20071008
Creation Date: 1/8/2008 18:30:22
Receipt Date: 20071010
Manifest ID: 003318777JJK
Trans EPA ID: CAR000152785
Trans Name: CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D001

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.8018
Waste Quantity:	429
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070810
Creation Date:	1/8/2008 18:30:36
Receipt Date:	20070810
Manifest ID:	003318591JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.68
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070803
Creation Date:	1/8/2008 18:30:36
Receipt Date:	20070810
Manifest ID:	003318593JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1638
Waste Quantity:	39
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070324
Creation Date:	9/24/2007 18:30:15
Receipt Date:	20070402
Manifest ID:	002084635JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.19
Waste Quantity:	380
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070324
Creation Date:	8/23/2007 18:30:20
Receipt Date:	20070327
Manifest ID:	002084630JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.7182
Waste Quantity:	171
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070324
Creation Date:	9/24/2007 18:30:15
Receipt Date:	20070402

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Manifest ID:	002084635JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0076
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAL000316603
Shipment Date:	20171106
Creation Date:	6/13/2018 18:31:31
Receipt Date:	20171109
Manifest ID:	017497105JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171106
Creation Date:	6/13/2018 18:30:39
Receipt Date:	20171115
Manifest ID:	017497113JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.08
Waste Quantity:	160
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170822
Creation Date:	5/29/2018 18:30:43
Receipt Date:	20170823
Manifest ID:	016733473JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170822
Creation Date:	5/30/2018 18:33:30
Receipt Date:	20170823
Manifest ID:	016733469JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.147
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170822
Creation Date:	5/29/2018 18:30:43
Receipt Date:	20170823
Manifest ID:	016733473JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170525
Creation Date:	5/20/2018 18:31:51
Receipt Date:	20170530
Manifest ID:	016733271JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170525
Creation Date:	5/20/2018 18:32:00
Receipt Date:	20170530
Manifest ID:	016733268JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170525
Creation Date:	5/20/2018 18:31:51
Receipt Date:	20170530
Manifest ID:	016733271JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14595
Waste Quantity:	35
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170315
Creation Date:	5/24/2017 18:31:05
Receipt Date:	20170315

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Manifest ID:	016733165JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170315
Creation Date:	5/24/2017 18:30:56
Receipt Date:	20170316
Manifest ID:	016733166JJK
Trans EPA ID:	CAR000031211
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.42
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000316603
Shipment Date:	20121211
Creation Date:	2/18/2013 22:15:20
Receipt Date:	20121219
Manifest ID:	008369255JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120914
Creation Date:	11/22/2012 22:15:09
Receipt Date:	20120917
Manifest ID:	008369167JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120618
Creation Date:	10/3/2012 22:15:09
Receipt Date:	20120620
Manifest ID:	008369065JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120618
Creation Date:	10/3/2012 22:15:09
Receipt Date:	20120620
Manifest ID:	008369065JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D018
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.084
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120326
Creation Date:	5/29/2012 20:30:08
Receipt Date:	20120329
Manifest ID:	008368476JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAL000316603
Shipment Date:	20091022
Creation Date:	10/8/2010 18:31:19
Receipt Date:	20091028
Manifest ID:	004805729JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090708
Creation Date:	8/20/2009 18:30:09
Receipt Date:	20090715
Manifest ID:	004806480JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.14
Waste Quantity:	280
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Additional Code 5:	Not reported
Shipment Date:	20090616
Creation Date:	7/31/2009 18:30:45
Receipt Date:	20090617
Manifest ID:	004806453JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090521
Creation Date:	9/25/2009 18:30:08
Receipt Date:	20090601
Manifest ID:	001960246SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090225
Creation Date:	4/8/2009 18:31:19
Receipt Date:	20090227
Manifest ID:	004806109JJK
Trans EPA ID:	CAR000152785

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1008
Waste Quantity:	24
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090224
Creation Date:	4/8/2009 18:31:19
Receipt Date:	20090227
Manifest ID:	004806111JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.52
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAL000316603

Shipment Date:	20081027
Creation Date:	1/9/2009 18:30:26
Receipt Date:	20081113
Manifest ID:	004806112JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080914
Creation Date:	1/28/2009 18:30:25
Receipt Date:	20080924
Manifest ID:	003717228JJK
Trans EPA ID:	TNR000025429
Trans Name:	TENNESSEE GENERAL CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TNR000025429
Trans Name:	TENNESSEE GENERAL CONST
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080602
Creation Date:	8/8/2008 18:30:16
Receipt Date:	20080606
Manifest ID:	003317878JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1554

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Waste Quantity:	37
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080602
Creation Date:	8/8/2008 18:30:16
Receipt Date:	20080606
Manifest ID:	003317888JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.21
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080602
Creation Date:	8/8/2008 18:30:16
Receipt Date:	20080604
Manifest ID:	003317883JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.07
Waste Quantity:	140
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Shipment Date:	20080602
Creation Date:	8/8/2008 18:30:16
Receipt Date:	20080604
Manifest ID:	003317883JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080402
Creation Date:	6/4/2008 18:30:29
Receipt Date:	20080409
Manifest ID:	003317789JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.1386
Waste Quantity:	33
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080318
Creation Date:	8/7/2008 18:30:28
Receipt Date:	20080324
Manifest ID:	003717145JJK
Trans EPA ID:	TNR000025429
Trans Name:	TEN GENERAL CONST
Trans 2 EPA ID:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Trans 2 Name:	Not reported
TSDF EPA ID:	TNR000025429
Trans Name:	TN GENERAL CONST
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080103
Creation Date:	3/11/2008 18:30:10
Receipt Date:	20080104
Manifest ID:	003318774JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0378
Waste Quantity:	9
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000316603

Shipment Date:	20101018
Creation Date:	1/3/2011 18:30:39
Receipt Date:	20101021
Manifest ID:	007289031JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0084
Waste Quantity:	2
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100802
Creation Date:	10/8/2010 18:30:19
Receipt Date:	20100804
Manifest ID:	007289167JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0175
Waste Quantity:	35
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100802
Creation Date:	9/30/2010 18:30:56
Receipt Date:	20100805
Manifest ID:	007289163JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100503
Creation Date:	8/6/2010 18:31:05
Receipt Date:	20100505
Manifest ID:	004805732JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100503
Creation Date:	8/6/2010 18:31:21
Receipt Date:	20100512
Manifest ID:	004805853JJK
Trans EPA ID:	CAR000152785
Trans Name:	CALIFORNIA HAZARDOUS SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Shipment Date:	20100212
Creation Date:	11/3/2010 18:30:17
Receipt Date:	20100218
Manifest ID:	002744289JJK
Trans EPA ID:	TNR000025429
Trans Name:	TENN GENERAL CONST
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	TNR000025429
Trans Name:	TN GEN CONST
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAL000316603

Shipment Date:	20151111
Creation Date:	1/19/2016 22:15:12
Receipt Date:	20151120
Manifest ID:	013886881JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.085
Waste Quantity:	170
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150813
Creation Date:	11/5/2015 22:15:17
Receipt Date:	20150819
Manifest ID:	013886723JJK

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.126
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150813
Creation Date:	11/4/2015 22:15:23
Receipt Date:	20150819
Manifest ID:	013886729JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.09
Waste Quantity:	180
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150514
Creation Date:	8/28/2015 22:15:17
Receipt Date:	20150520
Manifest ID:	013886573JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.042
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150514
Creation Date:	8/10/2015 22:15:21
Receipt Date:	20150520
Manifest ID:	013886574JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150216
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150218
Manifest ID:	012769384JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150216
Creation Date:	5/18/2015 22:15:25
Receipt Date:	20150218
Manifest ID:	012769388JJK
Trans EPA ID:	CAR000209023
Trans Name:	CALIFORNIA HAZARDOUS SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D001
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.063
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000316603
Inactive Date:	Not reported
Create Date:	02/20/2007
Last Act Date:	02/24/2021
Mailing Name:	JOEY CUPP, ENV. DIRECTOR
Mailing Address:	5508 LONAS DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	KNOXVILLE, TN 379093221
Owner Name:	PILOT TRAVEL CENTERS LLC
Owner Address:	5508 LONAS DR
Owner Address 2:	Not reported
Owner City,State,Zip:	KNOXVILLE, TN 379093221
Contact Name:	JOEY CUPP
Contact Address:	5508 LONAS DR.
Contact Address 2:	ENVIRONMENTAL DEPARTMENT
City,State,Zip:	KNOXVILLE, TN 37909

NAICS:

EPA ID:	CAL000316603
Create Date:	2007-02-20 07:24:23.733

PILOT TRAVEL CENTER #200 (Continued) **S113146380**

NAICS Code:	44711
NAICS Description:	Gasoline Stations with Convenience Stores
Issued EPA ID Date:	2007-02-20 07:24:23.71700
Inactive Date:	Not reported
Facility Name:	PILOT TRAVEL CENTER #200
Facility Address:	5725 HIGHWAY 58
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

D118 **CHMIRS** **S118999527**
WSW **5725 HWY 58** **N/A**
< 1/8 **BORON, CA 93516**
0.040 mi.
209 ft. **Site 18 of 19 in cluster D**

Actual: CHMIRS:
2480 ft.

Focus Map: **54**

Name:	Not reported
Address:	5725 HWY 58
City,State,Zip:	BORON, CA 93516
OES Incident Number:	16-4030
OES notification:	07/01/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported

(Continued) **S118999527**

Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1714
Year:	2016
Agency:	Broadbent and Associates
Incident Date:	07/01/2016
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Transmission Fluid 10
Substance #3:	Coolant Coolant
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states: Due to a traffic collision 5 gallons of Motor Oil, 10 gallons of Transmissions Fluid, and 5 gallons of Coolant were released on to the asphalt of a service station parking lot. The spill is contained, and Patriot Environmental Services is on s

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D119 **PILOT TRAVEL CENTER #200** **UST** **U003976524**
WSW **5725 HWY 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516**
0.040 mi.
209 ft. **Site 19 of 19 in cluster D**

Actual:
2480 ft.

Focus Map:
54

UST:

Name:	PILOT TRAVEL CENTER #200
Address:	5725 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Facility ID:	FA0005327
Permitting Agency:	San Bernardino County Fire Department

PILOT TRAVEL CENTER #200 (Continued) **U003976524**

Latitude: 34.9924012
Longitude: -117.5428701

H120 **D&R AUTOMOTIVE** **CUPA Listings** **S124774852**
East **24045 TWENTY MULE TEAM RD** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.046 mi.
241 ft. **Site 1 of 8 in cluster H**

Actual:
2395 ft.

Focus Map:
51

KERN CO CUPA:

Facility ID:	FA0002527
CERS ID:	Not reported
Name:	MIKES AUTOMOTIVE
Address:	24045 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	8/1/2012
Employee:	CUPA 3
Mailing Address:	24045 TWENTY MULE TEAM RD
Mailing Address 2:	Not reported
Mailing City:	BORON
Mailing State:	CA
Mailing Zip:	93516

HWTS:

Name:	D&R AUTOMOTIVE
Address:	24045 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAL000040702
Inactive Date:	01/01/1995
Create Date:	02/15/1991
Last Act Date:	07/24/2001
Mailing Name:	Not reported
Mailing Address:	24045 TWENTY MULE TEAM RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	ROSENQUIST DANA
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	UNDELIVERABLE PER SURVEY
Contact Address:	12/94 NW
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

H121 **MIKE'S AUTOMOTIVE** **HAZNET** **S113114432**
East **24045 TWENTY MULE TEAM RD** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.046 mi.
241 ft. **Site 2 of 8 in cluster H**

Actual:
2395 ft.

Focus Map:
51

HAZNET:

Name:	MIKE'S AUTOMOTIVE
Address:	24045 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	PAT RAMSEY
Telephone:	7607626979
Mailing Name:	Not reported
Mailing Address:	13668 GILBERT ST
Year:	2011
Gepaid:	CAL000226267
TSD EPA ID:	CAT000613893
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.05838

Additional Info:

Year:	2011
Gen EPA ID:	CAL000226267
Shipment Date:	20110421
Creation Date:	10/1/2011 18:31:02
Receipt Date:	20110502
Manifest ID:	002847361SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MIKE'S AUTOMOTIVE
Address:	24045 TWENTY MULE TEAM RD
Address 2:	Not reported

MIKE'S AUTOMOTIVE (Continued) **S113114432**

City,State,Zip:	BORON, CA 935160000
EPA ID:	CAL000226267
Inactive Date:	06/30/2012
Create Date:	03/07/2002
Last Act Date:	03/20/2013
Mailing Name:	Not reported
Mailing Address:	13668 GILBERT ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NORTH EDWARDS, CA 935230000
Owner Name:	MICHAEL RAMSEY
Owner Address:	24045 TWENTY MULE TEAM RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935160000
Contact Name:	PAT RAMSEY
Contact Address:	ADDRESS NEEDED
Contact Address 2:	Not reported
City,State,Zip:	99 000000000

NAICS:

EPA ID:	CAL000226267
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2002-03-07 00:00:00
Inactive Date:	2012-06-30 00:00:00
Facility Name:	MIKE'S AUTOMOTIVE
Facility Address:	24045 TWENTY MULE TEAM RD
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935160000

H122 **D & R AUTOMOTIVE** **HWTS** **S124767273**
East **24045 TWENTY MULE TEAM ROAD** **N/A**
< 1/8 **BORON, CA 93516**
0.046 mi.
241 ft. **Site 3 of 8 in cluster H**

Actual:
2395 ft.

Focus Map:
51

HWTS:

Name:	D & R AUTOMOTIVE
Address:	24045 TWENTY MULE TEAM ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAL000021093
Inactive Date:	01/01/1995
Create Date:	11/14/1989
Last Act Date:	07/24/2001
Mailing Name:	Not reported
Mailing Address:	24045 TWENTY MULE TEAM ROAD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	CLUSTER RICHARD
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	UNDELIVERABLE PER SURVEY

D & R AUTOMOTIVE (Continued) **S124767273**

Contact Address: 12/94 NW
Contact Address 2: Not reported
City,State,Zip: --, 99 --

123
WSW
< 1/8
0.047 mi.
246 ft.

CALTRANS HIGHWAY 58 & KRAMER JUNCTION **NPDES** **S121183623**
WEST OF HIGHWAY 395 AND NORTH OF HIGHWAY 58 **CIWQS** **N/A**
KRAMER JUNCTION, CA 93516

Actual:
2462 ft.

Focus Map:
54

NPDES:

Name:	CALTRANS HIGHWAY 58 & KRAMER JUNCTION
Address:	WEST OF HIGHWAY 395 AND NORTH OF HIGHWAY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6B36C381638
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	04/03/2019
Operator Name:	Southern California Edison
Operator Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Operator City:	Rosemead
Operator State:	California
Operator Zip:	91770

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	6B
Regulatory Measure ID:	491957
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B36C381638
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/03/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Southern California Edison
Discharge Address:	2244 Walnut Grove Ave GO 1 Quad 2C

CALTRANS HIGHWAY 58 & KRAMER JUNCTION (Continued) **S121183623**

Discharge City:	Rosemead
Discharge State:	California
Discharge Zip:	91770
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported

CALTRANS HIGHWAY 58 & KRAMER JUNCTION (Continued) **S121183623**

Secondary Sic:	Not reported
Tertiary Sic:	Not reported
Name:	CALTRANS HIGHWAY 58 & KRAMER JUNCTION
Address:	WEST OF HIGHWAY 395 AND NORTH OF HIGHWAY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	6B
Agency Number:	0
Regulatory Measure ID:	491957
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	6B36C381638
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/03/2017
Termination Date Of Regulatory Measure:	02/26/2019
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Discharge Name:	Southern California Edison
Discharge City:	Rosemead
Discharge State:	California
Discharge Zip:	91770
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	6B
Regulatory Measure ID:	491957
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B36C381638
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	11/03/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Southern California Edison
Discharge Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Discharge City:	Rosemead
Discharge State:	California
Discharge Zip:	91770
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported

CALTRANS HIGHWAY 58 & KRAMER JUNCTION (Continued) **S121183623**

Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	CALTRANS HIGHWAY 58 & KRAMER JUNCTION
Address:	WEST OF HIGHWAY 395 AND NORTH OF HIGHWAY 58

CALTRANS HIGHWAY 58 & KRAMER JUNCTION (Continued) **S121183623**

City,State,Zip:	KRAMER JUNCTION, CA 93516
Agency:	Southern California Edison
Agency Address:	2244 Walnut Grove Ave GO 1 Quad 2C, Rosemead, CA 91770
Place/Project Type:	Construction - Above Ground, Electrical
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B36C381638
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	11/03/2017
Termination Date:	02/26/2019
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.996785
Longitude:	-117.544134

I124 **PRIVATE RESIDENCE** **UST** **U004113203**
North **13043 LAMEL ST** **N/A**
< 1/8 **NORTH EDWARDS, CA**
0.047 mi.
248 ft. **Site 1 of 2 in cluster I**

Actual:
2291 ft.

Focus Map:
49

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	13043 LAMEL ST
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550019
Owner Name:	WEST, DONALD
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

I125 **HOME FESIDENCE** **HIST UST** **U001586555**
North **13043 LAMEL STREET** **N/A**
< 1/8 **NORTH EDWARDS, CA 93523**
0.047 mi.
248 ft. **Site 2 of 2 in cluster I**

Actual: HIST UST:
2291 ft.

Focus Map:
49

Name:	HOME FESIDENCE
Address:	13043 LAMEL STREET
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	000247D4
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000247D4.pdf
Region:	STATE
Facility ID:	00000012612
Facility Type:	Other
Other Type:	RESIDENCE
Contact Name:	Not reported
Telephone:	6197694116
Owner Name:	DONALD L. WEST
Owner Address:	13043 LAMEL ST.
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1977
Tank Capacity:	00000288
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1981
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

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126 **STATEWIDE HYDROSTATIC TESTING PROJECT LAHONTAN REG** **CIWQS** **S111459971**
SE **HIGHWAY 395 AT HIGHWAY 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516**
0.049 mi.
258 ft.

Actual: CIWQS:
2486 ft.

Focus Map:
54

Name:	STATEWIDE HYDROSTATIC TESTING PROJECT LAHONTAN REGION
Address:	HIGHWAY 395 AT HIGHWAY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Agency:	Pacific Gas and Electric Company
Agency Address:	3401 Crow Canyon Road, San Ramon, CA 94583
Place/Project Type:	Construction - Below Ground, Gas Line
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated

STATEWIDE HYDROSTATIC TESTING PROJECT LAHONTAN REGION (Continued) **S111459971**

Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B36C362968
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/07/2012
Termination Date:	09/26/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.99021
Longitude:	-117.54102

127
South
< 1/8
0.053 mi.
278 ft.

TLRR KRAMER-HOLGATE 336389 REPLACEMENT PROJECT **CIWQS** **S121682441**
NORTH OF HWY 58 AT BORAX ROAD BORON **N/A**
BORON, CA 93596

Actual:
2503 ft.

Focus Map:
52

CIWQS:

Name:	TLRR KRAMER-HOLGATE 336389 REPLACEMENT PROJECT
Address:	NORTH OF HWY 58 AT BORAX ROAD BORON
City,State,Zip:	BORON, CA 93596
Agency:	Southern California Edison
Agency Address:	2244 Walnut Grove Ave GO 1 Quad 2C, Rosemead, CA 91770
Place/Project Type:	Construction - Above Ground, Electrical, Below Ground
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C381379
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	10/11/2017
Termination Date:	02/05/2018
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.990805
Longitude:	-117.646943

J128 **ROADHOUSE RESTAURANT** **ENF** **S102005987**
ENE **HWY 395 KRAMER JUNCTION** **WDS** **N/A**
< 1/8 **BORON, CA 93516** **WDR**
0.056 mi. **CIWQS**
296 ft. **Site 1 of 2 in cluster J** **CERS**

Actual:
2479 ft.

Focus Map:
54

ENF:

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	6B
Facility Id:	252977
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	375778
Region:	6B
Order / Resolution Number:	04-020
Enforcement Action Type:	Oral Communication
Effective Date:	06/09/2004
Adoption/Issuance Date:	06/09/2004
Achieve Date:	Not reported
Termination Date:	07/22/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Never Active
Title:	Enforcement-WDR 04-020 for CAILLIER, KAREN
Description:	Phoned discharger in regards to submital of quarterly reports, the MRP states that monthly and annual reports shall be submitted to the RWQCB. Also informed Discharger of incomplete Flow and Disposal Monitoring.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	$0.00
Initial Assessed Amount:	$0.00
Liability $ Amount:	$0.00
Project $ Amount:	$0.00
Liability $ Paid:	$0.00
Project $ Completed:	$0.00
Total $ Paid/Completed Amount:	$0.00

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952

ROADHOUSE RESTAURANT (Continued) **S102005987**

SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	377305
Region:	Not reported
Order / Resolution Number:	NOT APPLICABLE
Enforcement Action Type:	Oral Communication
Effective Date:	06/09/2004
Adoption/Issuance Date:	06/09/2004
Achieve Date:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Enforcement-WDR 04-020 for CAILLIER, KAREN
Description:	Phoned discharger in regards to November Disposal Monitoring, 01/20/2011. Karen Caillier claimed she was unaware that Disposal Pond monitoring should be conducted monthly.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	374325
Region:	Not reported
Order / Resolution Number:	04-020
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/09/2004
Adoption/Issuance Date:	06/09/2004
Achieve Date:	Not reported
Termination Date:	01/28/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	WDR 04-020 for CAILLIER, KAREN
Description:	Forwarded a copy of the current MRP via email to the discharger, the discharger has been submitting quarterly SMRs, when SMRs should be submitted monthly and annually.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION

ROADHOUSE RESTAURANT (Continued) **S102005987**

City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	374324
Region:	Not reported
Order / Resolution Number:	04-020
Enforcement Action Type:	Oral Communication
Effective Date:	06/09/2004
Adoption/Issuance Date:	06/09/2004
Achieve Date:	Not reported
Termination Date:	01/28/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	WDR 04-020 for CAILLIER, KAREN
Description:	Phoned discharger in regards to submital of quarterly reports, the MRP states that monthly and annual reports shall be submitted to the RWQCB.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Not reported
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	377800
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	01/21/2011
Adoption/Issuance Date:	01/21/2011
Achieve Date:	Not reported
Termination Date:	01/21/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement-Oral Communication
Description:	Phoned discharger in regards to deficient reporting of Disposal Pond Monitoring. The Discharger was said she was not aware that Disposal Pond Monitoring needed to be

ROADHOUSE RESTAURANT (Continued) **S102005987**

	conducted monthly.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Caillier, Karen
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.003
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRMUNIENROTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6B361130001
Reg Measure Id:	204386
Reg Measure Type:	Enrollee
Region:	Not reported
Order #:	97-010-DWQ
Npdes# CA#:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/04/2015
Effective Date:	06/27/2004
Expiration/Review Date:	06/27/2025
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	413714
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	05/23/2017
Adoption/Issuance Date:	05/23/2017
Achieve Date:	Not reported
Termination Date:	05/23/2017
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 05/23/2017 for Caillier, Karen
Description:	Staff spoke with discharger, an Arsenic treatment plant is being installed at the facility.
Program:	WDRMUNIENROTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Caillier, Karen
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1

ROADHOUSE RESTAURANT (Continued) **S102005987**

Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.003
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRMUNIENROTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6B361130001
Reg Measure Id:	204386
Reg Measure Type:	Enrollee
Region:	Not reported
Order #:	97-010-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/04/2015
Effective Date:	06/27/2004
Expiration/Review Date:	06/27/2025
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	413089
Region:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	05/08/2017
Adoption/Issuance Date:	05/08/2017
Achieve Date:	Not reported
Termination Date:	05/08/2017
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 05/08/2017 for Caillier, Karen
Description:	Informed Discharger that the February 2017 and December 2016 had yet to be received, and they need to be submitted as soon as possible.
Program:	WDRMUNIENROTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Caillier, Karen
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.003
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRMUNIENROTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6B361130001
Reg Measure Id:	204386
Reg Measure Type:	Enrollee
Region:	Not reported
Order #:	97-010-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/04/2015
Effective Date:	06/27/2004
Expiration/Review Date:	06/27/2025
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	412263
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	03/15/2017
Adoption/Issuance Date:	03/15/2017
Achieve Date:	Not reported
Termination Date:	03/15/2017
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 03/15/2017 for Caillier, Karen
Description:	Sent email to discharger stating that we had not received the December 2016 SMR, and it needed to be submitted as soon as possible.
Program:	WDRMUNIENROTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

ROADHOUSE RESTAURANT (Continued) **S102005987**

Total $ Paid/Completed Amount: 0

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Caillier, Karen
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.003
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRMUNIENROTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6B361130001
Reg Measure Id:	204386
Reg Measure Type:	Enrollee
Region:	Not reported
Order #:	97-010-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/04/2015
Effective Date:	06/27/2004
Expiration/Review Date:	06/27/2025

ROADHOUSE RESTAURANT (Continued) **S102005987**

Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	408292
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	08/15/2016
Adoption/Issuance Date:	08/15/2016
Achieve Date:	Not reported
Termination Date:	08/15/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 08/15/2016 for Caillier, Karen
Description:	Staff spoke with discharger. She was unaware of the EC/TDS issues, but will get with her groundwater people to determine the problem and get it under control.
Program:	WDRMUNIENROTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Caillier, Karen
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211

ROADHOUSE RESTAURANT (Continued) **S102005987**

NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.003
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRMUNIENROTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6B361130001
Reg Measure Id:	204386
Reg Measure Type:	Enrollee
Region:	Not reported
Order #:	97-010-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/04/2015
Effective Date:	06/27/2004
Expiration/Review Date:	06/27/2025
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	406748
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	06/08/2016
Adoption/Issuance Date:	06/08/2016
Achieve Date:	Not reported
Termination Date:	06/08/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

ROADHOUSE RESTAURANT (Continued) **S102005987**

Title:	Oral Com 06/08/2016 for Caillier, Karen
Description:	Left message for Karen Caillier indicating that the flow data for the January 2016 report was missing and needed to the submitted.
Program:	WDRMUNIENROTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	252977
Agency Name:	Caillier, Karen
Place Type:	Service/Commercial
Place Subtype:	Restaurant
Facility Type:	Municipal/Domestic
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	34.991908
Place Longitude:	-117.540964
SIC Code 1:	5812
SIC Desc 1:	Eating and Drinking Places
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	72211
NAICS Desc 1:	Full-Service Restaurants
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.003
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRMUNIENROTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6B361130001
Reg Measure Id:	204386
Reg Measure Type:	Enrollee

ROADHOUSE RESTAURANT (Continued) **S102005987**

Region:	Not reported
Order #:	97-010-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	11/04/2015
Effective Date:	06/27/2004
Expiration/Review Date:	06/27/2025
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	404945
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	03/07/2016
Adoption/Issuance Date:	03/07/2016
Achieve Date:	Not reported
Termination Date:	03/07/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 03/07/2016 for Cailier, Karen
Description:	03/07/2016 Spoke with Karen Caillier. Informed her that reports need to be on time and submitted electronically. She said she had misunderstood and will comply.
Program:	WDRMUNIENROTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

WDS:

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City:	BORON
Facility ID:	South Lahontan 361130001
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)

ROADHOUSE RESTAURANT (Continued) **S102005987**

Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	7607626692
Facility Contact:	Not reported
Agency Name:	CAILLIER KAREN
Agency Address:	25831 CHERRY HILL DR
Agency City,St,Zip:	BORON 93516
Agency Contact:	KAREN CAILLIER
Agency Telephone:	7607626480
Agency Type:	Private
SIC Code:	4952
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	DOMEST
Waste Type2:	Not reported
Waste2:	Domestic Sewage
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

WDR:

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Global ID:	WDR100029195
Status:	ACTIVE - WDR

CIWQS:

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Agency:	Roadhouse Restaurant/Four Corners
Agency Address:	25831 Cherry Hill Drive, Boron, CA 93516

ROADHOUSE RESTAURANT (Continued) **S102005987**

Place/Project Type:	Restaurant
SIC/NAICS:	5812(+)
Region:	6V
Program:	WDR, WDRMUNIENROTH
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee
Order Number:	97-010-DWQ
WDID:	6B361130001
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	06/27/2004
Termination Date:	Not reported
Expiration/Review Date:	06/27/2025
Design Flow:	0.003
Major/Minor:	Not reported
Complexity:	B
TTWQ:	3
Enforcement Actions within 5 years:	5
Violations within 5 years:	17
Latitude:	34.991908
Longitude:	-117.540964

CERS:

Name:	ROADHOUSE RESTAURANT
Address:	HWY 395 KRAMER JUNCTION
City,State,Zip:	BORON, CA 93516
Site ID:	62312
CERS ID:	252977
CERS Description:	Waste Discharge Requirements

Violations:

Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	11-30-2016
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCL for Arsenic (0.010 mg/L) in one well. Violated Board Order No. 97-10-DWQ-04 C.1.a.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS

Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	04-01-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Conductivity MCL: 1600umhos/cm; FCS-1 9/2: 2090umhos/cm; FCS-2 9/2: 2060umhos/cm; FCS-3 9/2: 2040umhos/cm. Turbidity MCL: 5NTU; FCS-1 9/2: 60.6NTU; FCS-2 9/2: 11.3NTU. Chloride Secondary MCL: 250mg/L; FCS-1 9/2: 320mg/L; FCS-2 9/2: 290mg/L; FCS-3 9/2: 290mg/L. TDS MCL: 1000mg/L; FCS-1 9/2: 1300mg/L; FCS-2 9/2: 1200mg/L; FCS-3 9/2: 1200mg/L.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS

ROADHOUSE RESTAURANT (Continued) **S102005987**

Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	07-19-2011
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCLs for electrical conductivity (1600 umhos/cm), TDS (1000 mg/L), Antimony (6 ug/L) and Arsenic (10 ug/L), violates board order 6-97-DWQ-04 WDR C. 1. a.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS

Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	05-26-1999
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	NON-SUBMITTAL OF LEGAL POINT OF WASTE DISPOSAL. NON-SUBMITTAL OF WASTE VOLUME PUMPED.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS

Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	08-10-2016
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCLs for TDS (1,000 mg/L), and Electrical Conductivity (1600 - mhos/cm) in three wells during the second quarter of 2016. Violated Board Order No. 97-10-DWQ-04 MRP I.C.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS

Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-11-2007
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Missing total volume and average flow rate for each month.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS

Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	08-20-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	An 11-+ x 17-+ copy of the site plan with the facilties monitoring wells and groundwater contour elevation map was not included.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS

Site ID: 62312

ROADHOUSE RESTAURANT (Continued) **S102005987**

Site Name:	Roadhouse Restaurant
Violation Date:	09-10-2015
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCL-+s for Arsenic (0.010 mg/L) and Nitrate as N (10 mg/L) during second quarter of 2015. Violated Board Order No. 97-10-DWQ-04 MRP I.C.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	01-21-2011
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failure to conduct Disposal Pond analysis. Violates Board Order No. 97-10-DWQ-04, MRP I. B.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	04-01-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	The report did not include the average flow rate of wastewater flow or Facility Monitoring at the Disposal Pond for each month. Site plan was on 8.5-+ x 11-+ paper and not the required 11-+ x 17.-+
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	02-15-2008
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SMR due on 1/15/08; received on 1/28/08, 13 days late.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	10-13-2015
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Submitted quarterly SMR 29 days late. Violated Board Order No. 97-10-DWQ-04 MRP II.B
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant

ROADHOUSE RESTAURANT (Continued) **S102005987**

Violation Date:	10-13-2015
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCL for TDS (1,000 mg/L) and Electrical Conductivity (1,600 - mhos/cm) during the third quarter of 2015. Violated Board Order No. 97-10-DWQ-04 MRP I.C.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	04-01-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Conductivity MCL: 1600umhos/cm; FCS-1 9/2: 2090umhos/cm; FCS-2 9/2: 2060umhos/cm; FCS-3 9/2: 2040umhos/cm. Turbidity MCL: 5NTU; FCS-1 9/2: 60.6NTU; FCS-2 9/2: 11.3NTU. Chloride Secondary MCL: 250mg/L; FCS-1 9/2: 310mg/L; FCS-2 9/2: 280mg/L; FCS-3 9/2: 280mg/L. TDS MCL: 1000mg/L; FCS-1 9/2: 1300mg/L; FCS-2 9/2: 1200mg/L; FCS-3 9/2: 1200mg/L.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-11-2007
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Dissolved Oxygen was not included in the GW sampling portion of the report. Missing sludge and monitoring in report.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	09-08-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	The report did not include total monthly and average flow, facility monitoring, sludge monitoring, and operations and maintenance for each month.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	11-05-2014
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SMR submitted 22 days late. Violates Board Oder No. 6-97-10-DWQ-04. MRP: II.B.1.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR

ROADHOUSE RESTAURANT (Continued) **S102005987**

Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	10-29-2014
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCLs for Chloride (recommended secondary-250 mg/L), TDS (upper secondary-1,000 mg/L), Conductivity (upper secondary - 1,600 umhos/cm) and Turbidity (secondary-5 NTU), Sulfate (recommended secondary-250 mg/L) in multiple wells during the second quarter monitoring period. Violates Board Order No. 6-97-10 DWQ-04. MRP: I.D. Ground Water Sampl
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	11-05-2014
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SMR submitted 41 days late. Violates Board Oder No. 6-97-10-DWQ-04. MRP: II.B.1.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	04-20-2016
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCLs for TDS (1,000 mg/L), and Electrical Conductivity (1600 - mhos/cm) in three wells during the first quarter of 2016. Violated Board Order No. 97-10-DWQ-04 MRP I.C.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-09-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Submitted SMR 20 days late. Violates Board Order No. 97-010-DWQ, MRP 2.B.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-23-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	MCLs for TDS (1000 mg/L), Electrical Conductivity (1600 umhos/cm), and

ROADHOUSE RESTAURANT (Continued) **S102005987**

	Turbidity (5 NTU) exceeded in multiple wells. Violates Board Order 97-10-DWQ-04, Req. I. C. 1. b. Violates board order 97-10-DWQ-04 I. C. 1. b.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	08-19-2010
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded ARAR limits for Conductivity (1600 umhos/cm), and TDS (1000 mg/L) in multiple wells. Violates Board Order No. 97-10-DWQ-04, WDR Req. C.1.a.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	11-16-2010
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	The September 2010 SMR did not include the Facility Monitoring and Groundwater Moinitoring. The report violates MRP No. 97-10-DWQ-04 Section I.B. and I.C.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	09-09-2010
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failure to report Disposal Pond Monitoring for July. Violates Board Order No. 97-10-DWQ-04, MRP I. B. .
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	02-04-2011
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCL limits for Conductivity (1600 umhos/cm), and TDS (1000 mg/L) in multiple wells. Violates Board Order No. 97-10-DWQ-04, WDR Req. C.1.a.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	11-05-2014

ROADHOUSE RESTAURANT (Continued) **S102005987**

Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCLs for Chloride (recommended secondary-250 mg/L), TDS (upper secondary-1,000 mg/L), Conductivity (upper secondary - 1,600 umhos/cm) and Turbidity (secondary-5 NTU), Sulfate (recommended secondary-250 mg/L) in multiple wells during the second quarter monitoring period. Violates Board Order No. 6-97-10 DWQ-04. MRP: I.D. Ground Water Sampl
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	01-09-2018
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Submitted monthly SMR 48 days late. Violated Board Order No. 97-010-DWQ-04 MRP II.B1.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	05-02-2017
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Submitted monthly SMR 55 days late. Violated Board Order No. 97-10-DWQ MRP II.B.1.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	04-10-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Report was received at the Water Board 19 days late. Violates Board Order 97-10-DWQ-04.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-16-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	August SMR was approximately 2 months past due. Violates Board Order 97-10-DWQ, SMR 2.B.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312

ROADHOUSE RESTAURANT (Continued) **S102005987**

Site Name:	Roadhouse Restaurant
Violation Date:	09-23-1996
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	NONSUBMITTAL OF SMRS, ISSUED NOV 9/24/96.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	03-04-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	If not, DUE Date: 10/15/2008 Date Received: 1/16/2009 Days Late: 93
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-09-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Facility violated 1. B of the monitoring and reporting program. The staff is to monitor the BOD, TDS, MBAS, pH, O/G, and Nitrate as Nitrogen of the disposal pond. No laboratory data was sent in with the SMR.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-14-2006
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Late Report, Due Date: 10/15/2006 Date Received: 12/11/2006
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	10-13-2015
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCL for TDS (1,000 mg/L) during the second quarter of 2015. Violated Board Order No. 97-10-DWQ-04 MRP I.B
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	01-20-2011
Citation:	California Water Code

ROADHOUSE RESTAURANT (Continued) **S102005987**

Violation Description:	Not reported
Violation Notes:	SMR submitted 18 days late. Violates Board Order 97-10-DWQ-04, MRP Req. II. B.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-09-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Violated 2. B of the Board Order. The report was recieved 4 days past the 10 day grace period.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	07-24-2017
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failed to provide parameters related to Facility Monitoring. Violated Board Order No. 97-10-DWQ-04 MRP I.B.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	02-15-2008
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SEE ATTACHMENT FOR DESCRIPTION OF EXCEEDING MCLS
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	05-06-2010
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Submitted February SMR 28 days late. Violates Board Order No. 97-10-DWQ-04, MRP Req. II.B.1.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	04-01-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Violates Board Order No. 97-10-DWQ-04 MRP Req. I. B. and I., D. 2.
Violation Division:	Water Boards

ROADHOUSE RESTAURANT (Continued) **S102005987**

Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	09-08-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Sampling on 6/22/09 Conductivity MCL: 1600umhos/cm; FCS-1: 1960umhos/cm; FCS-2: 1890umhos/cm; FCS-3: 1880umhos/cm. Turbidity MCL: 5NTU; FCS-1: 800NTU. TDS MCL: 1000mg/L; FCS-1: 1200mg/L; FCS-2: 1200mg/L; FCS-3: 1200mg/L.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	04-01-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Site plan with potentiometric surface contours plotted on 8.5-+ x 11-+ paper and not the required 11-+ x 17.-+ Facility monitoring as specified in Section 1.B. of the MRP was not included for the months of November and December.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	05-08-2017
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded MCL-+s for Arsenic (0.010 mg/L), Thallium (0.002 mg/L), Electrical Conductivity (1600 - mhos/cm), TDS (1000 mg/L) in multiple wells. Violated Board Order No. 97-010-DWQ Section C.1.a.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	09-09-2010
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	SMR submitted 25 days late. Violates Board Order 97-10-DWQ-04, MRP Req. II. B.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	02-05-2013
Citation:	California Water Code
Violation Description:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

Violation Notes:	November 2012 SMR was received on December 31, 2012. It is 16 days late.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	03-10-2010
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded Electrical Conductivity (1600 umhos/cm), Turbidity (5 NTU), and TDS (1000 mg/L) MCLs in multiple wells, violates Board Order 97-10 DWQ-04-020.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	04-26-2011
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failure to submit SMR by February 15, 2011. Violates Board Order 97-10-DWQ-04, MRP Req. II. B.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	12-18-2017
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded SMCLs for Electrical Conductivity (1600 - mhos/cm), and TDS (1000 mg/L) in multiple wells. Violated Board Order No. 97-010-DWQ Section C.1.a.
Violation Division:	Water Boards
Violation Program:	WDRMUNIENR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	05-06-2010
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Submitted January SMR 56 days late. Violates Board Order No. 97-10-DWQ-04, MRP Req. II.B.1.
Violation Division:	Water Boards
Violation Program:	WDR
Violation Source:	CIWQS
Site ID:	62312
Site Name:	Roadhouse Restaurant
Violation Date:	02-15-2017
Citation:	California Water Code
Violation Description:	Not reported

ROADHOUSE RESTAURANT (Continued) **S102005987**

Violation Notes: Submitted monthly SMR 114 days late. Violated Board Order No. 97-10-DWQ MRP II.B.1.
Violation Division: Water Boards
Violation Program: WDRMUNIENR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 12-23-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failure to report Facility Monitoring for the months of August and September, violates board order 97-10-DWQ-04 MRP I. B.
Violation Division: Water Boards
Violation Program: WDRMUNIENR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 02-05-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: October 2012 SMR was received on December 31, 2012. It is 46 days late.
Violation Division: Water Boards
Violation Program: WDRMUNIENR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 12-11-2007
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Missing BOD and dissolved oxygen for Aug and Sept.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 07-27-2017
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded SMCLs for Electrical Conductivity (1600 - mhos/cm), TDS (1000 mg/L) in multiple wells. Violated Board Order No. 97-010-DWQ Section C.1.a.
Violation Division: Water Boards
Violation Program: WDRMUNIENR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 02-04-2011
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failure to conduct Disposal Pond analysis. Violates Board Order No. 97-10-DWQ-04, MRP I. B.

ROADHOUSE RESTAURANT (Continued) **S102005987**

Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 04-01-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: MRP Requires Monthly and Annual reports. Discharger seems to only submitting Quarterly reports. As of 4/1/09, there is not a Jan or Feb monthly report in receive log. There is also no annual report on file for this discharger to date.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 02-15-2017
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded MCLs for Electrical Conductivity (1600 - mhos/cm), TDS (1000 mg/L), Turbidity (5NTU) in one well. Violated Board Order No. 97-10-DWQ C.1.b.
Violation Division: Water Boards
Violation Program: WDRMUNIENR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 08-19-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failure to report the total volume of wastewater flow to the Diposal Ponds for each month, the average flow rate of wastewater flow to the Disposal Ponds for each month, Facility Monitoring, and Sludge Monitoring. Violates Board Order 97-10-DWQ-04, MRP Reqs. I.A.2. and I.A.3.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 12-14-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: D.O. for Groundwater wells wasn''t included, average flow rate for disposal ponds not included.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 11-30-2016

ROADHOUSE RESTAURANT (Continued) **S102005987**

Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded MCL for Electrical Conductivity (1600 - mhos/cm) and TDS (1000 mg/L) in one well. Violated Board Order No. 97-10-DWQ-04 C.1.a.
Violation Division: Water Boards
Violation Program: WDRMUNIENR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 09-11-2007
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Missing total volume and average flow rate for each month. Missing an 11x17 copy of the site plan.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 12-23-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failure to report Facility Monitoring for the months of August and September, violates board order 97-10-DWQ-04 MRP I. B.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 08-24-1995
Citation: California Water Code
Violation Description: Not reported
Violation Notes: NON SUBMITTAL OF SMRS
Violation Division: Water Boards
Violation Program: WDRMUNIENR
Violation Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Violation Date: 04-01-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FCS-1, 2 and 3 was over TDS at 1300, 1200, 1200 mg/L respectively. (Historically about the same). Turbidity was also over for all three wells at 56.3, 27.6, and 44 NTU respectively .
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-02-1995
Violations Found: No
Eval Type: RWQCB Type B compliance inspection

ROADHOUSE RESTAURANT (Continued) **S102005987**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIENR
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 06-11-2003
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIENR
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-23-1998
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIENR
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-29-1998
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIENR
Eval Source: CIWQS

Enforcement Action:
Site ID: 62312
Site Name: Roadhouse Restaurant
Site Address: HWY 395 KRAMER JUNCTION
Site City: BORON
Site Zip: 93516
Enf Action Date: 01-21-2011
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNIENR
Enf Action Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Site Address: HWY 395 KRAMER JUNCTION
Site City: BORON
Site Zip: 93516
Enf Action Date: 03-07-2016
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNIENR

ROADHOUSE RESTAURANT (Continued) **S102005987**

Enf Action Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Site Address: HWY 395 KRAMER JUNCTION
Site City: BORON
Site Zip: 93516
Enf Action Date: 03-15-2017
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNIENR
Enf Action Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Site Address: HWY 395 KRAMER JUNCTION
Site City: BORON
Site Zip: 93516
Enf Action Date: 05-08-2017
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNIENR
Enf Action Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Site Address: HWY 395 KRAMER JUNCTION
Site City: BORON
Site Zip: 93516
Enf Action Date: 05-23-2017
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNIENR
Enf Action Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Site Address: HWY 395 KRAMER JUNCTION
Site City: BORON
Site Zip: 93516
Enf Action Date: 06-08-2016
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNIENR
Enf Action Source: CIWQS

Site ID: 62312
Site Name: Roadhouse Restaurant
Site Address: HWY 395 KRAMER JUNCTION

ROADHOUSE RESTAURANT (Continued) **S102005987**

Site City:	BORON
Site Zip:	93516
Enf Action Date:	06-09-2004
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	WDRMUNIENR
Enf Action Source:	CIWQS

Site ID:	62312
Site Name:	Roadhouse Restaurant
Site Address:	HWY 395 KRAMER JUNCTION
Site City:	BORON
Site Zip:	93516
Enf Action Date:	06-09-2004
Enf Action Type:	Staff Enforcement Letter (Informal)
Enf Action Description:	Staff Enforcement Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	WDRMUNIENR
Enf Action Source:	CIWQS

Site ID:	62312
Site Name:	Roadhouse Restaurant
Site Address:	HWY 395 KRAMER JUNCTION
Site City:	BORON
Site Zip:	93516
Enf Action Date:	08-15-2016
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	WDRMUNIENR
Enf Action Source:	CIWQS

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129 **EDWARDS AIR FORCE BASE - 10 - SITE 279** **MCS** **S110167775**
SE **N/A**
< 1/8 **EDWARDS AFB, CA 93524**
0.068 mi.
359 ft.

Actual:
2321 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 10 - SITE 279
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100102900
Latitude:	34.99781
Longitude:	-117.8818
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 442
LOC Case Number:	100052 -- 442

EDWARDS AIR FORCE BASE - 10 - SITE 279 (Continued) **S110167775**

File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100102900
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

H130 **ROCKET SITE MINI MART** **HIST UST** **S105770688**
East **24009 20 MULE TEAM RD** **N/A**
< 1/8 **BORON, CA 93516**
0.071 mi.
375 ft. **Site 4 of 8 in cluster H**

Actual:
2395 ft.

Focus Map:
51

HIST UST:

Name:	ROCKET SITE MINI MART
Address:	24009 20 MULE TEAM RD
City,State,Zip:	BORON, CA 93516
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000054476
Facility Type:	Gas Station
Other Type:	Not reported
Contact Name:	GEORGE GIBSON
Telephone:	6197626737
Owner Name:	GEORGE G. & MILDRED C. GIBSON
Owner Address:	24009 20 MULE TEAM ROAD
Owner City,St,Zip:	BORON, CA 93516
Total Tanks:	0003
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1981
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	3
Year Installed:	1981
Tank Capacity:	00008000
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

H131 **ROCKET SITE MINI-MART** **EDR Hist Auto** **1020191891**
East **24009 TWENTY MULE TEAM RD** **N/A**
< 1/8 **BORON, CA 93516**
0.071 mi.
375 ft. **Site 5 of 8 in cluster H**

Actual: EDR Hist Auto
2395 ft.

Focus Map:
51

Year:	Name:	Type:
1982	ROCKET SITE INI-MART	Gasoline Service Stations
1983	ROCKET SITE MINI-MART	Gasoline Service Stations
1985	ROCKET SITE MINI-MART	Gasoline Service Stations
1986	ROCKET SITE MINI-MART	Gasoline Service Stations
1987	ROCKET SITE MINI-MART	Gasoline Service Stations
1988	ROCKET SITE MINI-MART	Gasoline Service Stations
1989	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1990	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1991	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1992	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1993	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1994	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1995	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1996	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1997	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC
1998	ROCKET SITE MINI-MART	Gasoline Service Stations, NEC

H132 **GEORGE GIBSON** **HAZNET** **S112899955**
East **24009 TWENTY MULETEAM RD** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.071 mi.
375 ft. **Site 6 of 8 in cluster H**

Actual: HAZNET:
2395 ft.

Focus Map:
51

Name:	GEORGE GIBSON
Address:	24009 TWENTY MULETEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	GEORGE GIBSON
Telephone:	7603763250
Mailing Name:	Not reported
Mailing Address:	PO BOX 1113
Year:	1999
Gepaid:	CAC002136401
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	3.9406

Additional Info:

Year:	1999
Gen EPA ID:	CAC002136401
Shipment Date:	19990413
Creation Date:	7/7/1999 0:00:00
Receipt Date:	19990510
Manifest ID:	99177705
Trans EPA ID:	CAD980673842

GEORGE GIBSON (Continued) **S112899955**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	3.9406
Waste Quantity:	945
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	GEORGE GIBSON
Address:	24009 TWENTY MULETEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC002136401
Inactive Date:	10/25/2000
Create Date:	04/08/1999
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	PO BOX 1113
Mailing Address 2:	Not reported
Mailing City,State,Zip:	KERNVILLE, CA 932380000
Owner Name:	GEORGE GIBSON
Owner Address:	PO BOX 1113
Owner Address 2:	Not reported
Owner City,State,Zip:	KERNVILLE, CA 932380000
Contact Name:	GEORGE GIBSON
Contact Address:	PO BOX 1113
Contact Address 2:	Not reported
City,State,Zip:	KERNVILLE, CA 932380000

H133 **ROCKET SITE MINI MARKET(TANKS REMOV** **UST** **U004113253**
East **24009 TWENTY MULE TEAM RD** **N/A**
< 1/8 **BORON, CA 93516**
0.071 mi.
375 ft. **Site 7 of 8 in cluster H**

Actual:
2395 ft.

Focus Map:
51

KERN CO. UST:

Name:	ROCKET SITE MINI MART
Address:	24009 TWENTY MULE TEAM RD
City:	BORON
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	560005
Owner Name:	KANG, JYE HOON

ROCKET SITE MINI MARKET(TANKS REMOV (Continued) **U004113253**

Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

Tank Num:	560005
Tank Capacity:	8,000
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	Not reported
Install Date:	01/01/1981
Date of Closure:	04/13/1999
Billing Status:	Inactive, non-billable
Mailing Address:	PO BOX 1113
Mailing Address (care of):	TANKS REMOVED.
Mailing City/State/Zip:	KERNVILLE, CA 93516

Tank Num:	560005
Tank Capacity:	8,000
Common Name:	Not reported
Description:	PREMIUM UNLEADED
Number of Compartments:	Not reported
Install Date:	01/01/1981
Date of Closure:	04/13/1999
Billing Status:	Inactive, non-billable
Mailing Address:	PO BOX 1113
Mailing Address (care of):	TANKS REMOVED.
Mailing City/State/Zip:	KERNVILLE, CA 93516

Tank Num:	560005
Tank Capacity:	10,000
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	Not reported
Install Date:	01/01/1981
Date of Closure:	04/13/1999
Billing Status:	Inactive, non-billable
Mailing Address:	PO BOX 1113
Mailing Address (care of):	TANKS REMOVED.
Mailing City/State/Zip:	KERNVILLE, CA 93516

H134 **ROCKET SITE MINI MART** **SWEEPS UST** **S101620896**
East **24009 20 MULE TEAM RD** **HIST UST** **N/A**
< 1/8 **BORON, CA 93516** **CA FID UST**
0.071 mi.
375 ft. **Site 8 of 8 in cluster H**

Actual:
2395 ft.

Focus Map:
51

SWEEPS UST:

Name:	ROCKET SITE MINI MART
Address:	24009 20 MULE TEAM RD
City:	BORON
Status:	Active
Comp Number:	54476
Number:	9
Board Of Equalization:	44-006377
Referral Date:	10-15-93
Action Date:	10-19-93
Created Date:	09-30-89
Owner Tank Id:	1
SWRCB Tank Id:	15-000-054476-000001
Tank Status:	A
Capacity:	10000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Name:	ROCKET SITE MINI MART
Address:	24009 20 MULE TEAM RD
City:	BORON
Status:	Active
Comp Number:	54476
Number:	9
Board Of Equalization:	44-006377
Referral Date:	10-15-93
Action Date:	10-19-93
Created Date:	09-30-89
Owner Tank Id:	2
SWRCB Tank Id:	15-000-054476-000002
Tank Status:	A
Capacity:	8000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

Name:	ROCKET SITE MINI MART
Address:	24009 20 MULE TEAM RD
City:	BORON
Status:	Active
Comp Number:	54476
Number:	9
Board Of Equalization:	44-006377
Referral Date:	10-15-93
Action Date:	10-19-93
Created Date:	09-30-89
Owner Tank Id:	3
SWRCB Tank Id:	15-000-054476-000003

ROCKET SITE MINI MART (Continued) **S101620896**

Tank Status: A
Capacity: 8000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: ROCKET SITE MIMI MART
Address: 24009 20 MULE TEAM ROAD
City,State,Zip: BORON, CA 93516
File Number: 00024913
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024913.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 15005082
Regulated By: UTNKA
Regulated ID: 00054476
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 6197626737
Mail To: Not reported
Mailing Address: 24009 20 MULE TEAM RD
Mailing Address 2: Not reported
Mailing City,St,Zip: BORON 93516
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

K135 **KRAMER JUNCTION EXPRESSWAY** **CIWQS** **S122350512**
ENE **N/A**
< 1/8 **SAN BERNARDINO (County), CA**
0.073 mi.
384 ft. **Site 1 of 2 in cluster K**

Actual:
2467 ft.

Focus Map:
54

CIWQS:

Name:	KRAMER JUNCTION EXPRESSWAY
Address:	Not reported
City,State,Zip:	CA
Agency:	CA Dept of Trans DO8 (San Bernardino-Riverside Office)
Agency Address:	464 West 4th Street 1108 822, San Bernardino, CA 92401-1400
Place/Project Type:	Dredge/Fill Site
SIC/NAICS:	Not reported
Region:	6V
Program:	CERFILLEXC
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee - WDR
Order Number:	R6T-2003-0004
WDID:	6B361603003
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	03/02/2018
Termination Date:	Not reported
Expiration/Review Date:	03/08/2023
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.995488
Longitude:	-117.541629

K136 **KRAMER JUNCTION EXPRESSWAY** **CERS** **S123520860**
ENE **N/A**
< 1/8 **, CA**
0.073 mi.
384 ft. **Site 2 of 2 in cluster K**

Actual:
2467 ft.

Focus Map:
54

CERS:

Name:	KRAMER JUNCTION EXPRESSWAY
Address:	Not reported
City,State,Zip:	CA
Site ID:	435126
CERS ID:	823719
CERS Description:	Wetlands - Fill and Dredge Material

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-18-2018
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	CERFILLEXC
Eval Source:	CIWQS

137 **DESERT LAKE CSD WTF** **ENF** **S102003489**
East **W OF BORON** **WDS** **N/A**
< 1/8 **BORON, CA 93516** **WDR**
0.074 mi. **CIWQS**
393 ft. **CERS**

Actual:
2383 ft.

Focus Map:
51

ENF:

Name:	DESERT LAKE CSD WTF
Address:	W OF BORON
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	219661
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.008962
Place Longitude:	-117.70697
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported

DESERT LAKE CSD WTF (Continued) **S102003489**

Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	252920
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	06/14/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/31/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B150103001
Description:	An SEL was sent out on 6-14-04 informing the discharger to submit their reports on time.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DESERT LAKE CSD WTF
Address:	W OF BORON
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	219661
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.008962
Place Longitude:	-117.70697
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported

DESERT LAKE CSD WTF (Continued) **S102003489**

SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	252825
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/24/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/31/2011
ACL Issuance Date:	Not reported

DESERT LAKE CSD WTF (Continued) **S102003489**

EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B150103001
Description:	An SEL was sent out on 8-24-04 informing the discharger to submit their reports on time.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DESERT LAKE CSD WTF
Address:	W OF BORON
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	219661
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.008962
Place Longitude:	-117.70697
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported

DESERT LAKE CSD WTF (Continued) **S102003489**

Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	376491
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	10/10/2001
Adoption/Issuance Date:	10/10/2001
Achieve Date:	Not reported
Termination Date:	10/10/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Communication 6B150103001, 11/1/2010
Description:	Staff contacted discharger to inform the discharger of violations in CIWQS. The discharger stated that the violations will be fixed in future reports.
Program:	WDR
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DESERT LAKE CSD WTF
Address:	W OF BORON
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	219661
Agency Name:	Not reported

DESERT LAKE CSD WTF (Continued) **S102003489**

Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.008962
Place Longitude:	-117.70697
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported

DESERT LAKE CSD WTF (Continued) **S102003489**

Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	403692
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	11/17/2015
Adoption/Issuance Date:	11/17/2015
Achieve Date:	Not reported
Termination Date:	11/17/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 11/17/2015 for Desert Lake CSD
Description:	Not reported
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	DESERT LAKE CSD WTF
Address:	W OF BORON
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	219661
Agency Name:	Desert Lake CSD
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	35.008962
Place Longitude:	-117.70697
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.14
Threat To Water Quality:	3
Complexity:	B

DESERT LAKE CSD WTF (Continued) **S102003489**

Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	WDRMUNILRG
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6B150103001
Reg Measure Id:	148480
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-055
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	12/16/2015
Effective Date:	10/10/2001
Expiration/Review Date:	10/10/2016
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	412877
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	04/24/2017
Adoption/Issuance Date:	04/24/2017
Achieve Date:	Not reported
Termination Date:	04/24/2017
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 04/24/2017 for Desert Lake CSD
Description:	04/24/2017 Spoke with Natalie Dadey. She said the report was send on 01/15/2017, but will send it again today.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

DESERT LAKE CSD WTF (Continued) **S102003489**

Liability $ Paid: 0
Project $ Completed: 0
Total $ Paid/Completed Amount: 0

WDS:

Name:	DESERT LAKE CSD WTF
Address:	W OF BORON
City:	BORON
Facility ID:	South Lahontan 150103001
Facility Type:	Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	7604030012
Facility Contact:	DOLLY KOSTOPOULOS
Agency Name:	DESERT LAKE CSD
Agency Address:	PO BOX 567
Agency City,St,Zip:	BORON 93516
Agency Contact:	DEANNA LOVE
Agency Telephone:	7607625349
Agency Type:	Special District (Includes districts established under general acts, sanitary districts, water districts irrigation districts, etc.)
SIC Code:	4952
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	DOMEST
Waste Type2:	Not reported
Waste2:	Domestic Sewage
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

DESERT LAKE CSD WTF (Continued) **S102003489**

WDR:
- Name: DESERT LAKE CSD WTF
- Address: W OF BORON
- City,State,Zip: BORON, CA 93516
- Global ID: WDR100028598
- Status: ACTIVE - WDR

CIWQS:
- Name: DESERT LAKE CSD WTF
- Address: W OF BORON
- City,State,Zip: BORON, CA 93516
- Agency: Desert Lake CSD
- Agency Address: 12200 Del Oro Street, Boron, CA 93516
- Place/Project Type: Wastewater Treatment Facility
- SIC/NAICS: 4952
- Region: 6V
- Program: WDRMUNILRG
- Regulatory Measure Status: Active
- Regulatory Measure Type: WDR
- Order Number: 01-055
- WDID: 6B150103001
- NPDES Number: Not reported
- Adoption Date: 10/10/2001
- Effective Date: 10/10/2001
- Termination Date: Not reported
- Expiration/Review Date: 10/10/2016
- Design Flow: 0.14
- Major/Minor: Not reported
- Complexity: B
- TTWQ: 3
- Enforcement Actions within 5 years: 1
- Violations within 5 years: 2
- Latitude: 35.008962
- Longitude: -117.70697

CERS:
- Name: DESERT LAKE CSD WTF
- Address: W OF BORON
- City,State,Zip: BORON, CA 93516
- Site ID: 111128
- CERS ID: 219661
- CERS Description: Waste Discharge Requirements

Violations:
- Site ID: 111128
- Site Name: Desert Lake CSD WTF
- Violation Date: 05-24-1999
- Citation: California Water Code
- Violation Description: Not reported
- Violation Notes: AVERAGE DAILY FLOW WAS GREATER THAN THE EFFLUENT LIMIT OF 0.14 MGD FOR THE SECOND QUARTER OF 98
- Violation Division: Water Boards
- Violation Program: WDRMUNILRG
- Violation Source: CIWQS

- Site ID: 111128

DESERT LAKE CSD WTF (Continued) **S102003489**

Site Name: Desert Lake CSD WTF
Violation Date: 05-24-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: AVERAGE DAILY FLOW WAS GREATER THAN THE EFFLUENT LIMIT OF 0.14 MGD FOR THE FOURTH QUARTER 98
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 06-19-1997
Citation: California Water Code
Violation Description: Not reported
Violation Notes: HAVE NOT SUBMITTED SMRS SINCE 11/96.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 05-24-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: AVERAGE DAILY FLOW WAS GREATER THAN THE EFFLUENT LIMIT OF 0.14 MGD DURING THE FIRST QUARTER 99
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 10-16-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: The third quarter SMR was not received.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 05-24-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: AVERAGE DAILY FLOW WAS GREATER THAN THE EFFLUENT LIMIT OF 0.14 MGD FOR THE THIRD QUARTER 98.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 09-14-2010
Citation: California Water Code
Violation Description: Not reported

DESERT LAKE CSD WTF (Continued) **S102003489**

Violation Notes: Discharger failed to report the estimated Avg Monthly Flow Rate and Pond Freeboard for each month. Violates Board Order No. 6-01-55, MRP I. 1. & 2.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 02-09-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Chromium VI and Total Chromium test results not proveded. Violation of Section III.A.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 08-24-1995
Citation: California Water Code
Violation Description: Not reported
Violation Notes: NON SUBMITTAL OF SMRS
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 07-15-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharger failed to submit 2004 2nd Quarter on 7-15-04
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 05-27-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failure to submit 4th QRT 2009 report, violates Board Order 6-01-55 MRP Req. V. A.Failure to submit 4th QRT 2009 report. Violates Board Order No. 6-01-55, MRP Req. V.A.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 01-21-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: The 4Q03 SMR was received 6 days late.
Violation Division: Water Boards

DESERT LAKE CSD WTF (Continued) **S102003489**

Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 11-11-2015
Citation: California Water Code
Violation Description: Not reported
Violation Notes: No SMR Submitted. Violated Board Order No. R6V-2001-0055 MRP V.A.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 04-16-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: The First Quarter 2004 SMR was received 30 days late.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 11-29-2018
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to report material changes in the character of the waste, manner, or method of treatment or disposal. Violates Board Order 6-01-55, WDR section II.D.2.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 07-16-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: The second quarter SMR was not received.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 05-24-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: THIRD QUARTER 98 MONITORING REPORT WAS 25 DAYS LATE
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF

DESERT LAKE CSD WTF (Continued) **S102003489**

Violation Date: 07-07-2011
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report on time (by the 15th of the following quarter)
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 04-16-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: The First Quarter SMR was not received.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 09-14-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: SMR submitted 42 days late. Violates Board Order No. 6-01-55, MRP V.B.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 05-24-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FIRST QUARTER 99 MONITORING REPORT WAS 18 DAYS LATE
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 04-19-2017
Citation: California Water Code
Violation Description: Not reported
Violation Notes: itted quarterly SMR 99 days late. Violated Board Order No. R6V-2001-0055 MRP V.A.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 05-24-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FOURTH QUARTER 98 MONITORING REPORT WAS 34 DAYS LATE
Violation Division: Water Boards
Violation Program: WDRMUNILRG

DESERT LAKE CSD WTF (Continued) **S102003489**

Violation Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Violation Date: 05-27-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failure to submit the estimated flow rate of wastewater to the facility for each month, and the freeboard levels for each pond. Violates Board Order No. 6-01-55, MRP Req. I.1. and 2.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-1994
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2010
Violations Found: Yes
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-02-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-1995
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards

DESERT LAKE CSD WTF (Continued) **S102003489**

Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2003
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-08-2018
Violations Found: Yes
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-07-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Enforcement Action:
Site ID: 111128
Site Name: Desert Lake CSD WTF
Site Address: W OF BORON
Site City: BORON
Site Zip: 93516
Enf Action Date: 04-24-2017
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication

DESERT LAKE CSD WTF (Continued) **S102003489**

Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Site Address: W OF BORON
Site City: BORON
Site Zip: 93516
Enf Action Date: 06-14-2004
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Site Address: W OF BORON
Site City: BORON
Site Zip: 93516
Enf Action Date: 08-24-2004
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Site Address: W OF BORON
Site City: BORON
Site Zip: 93516
Enf Action Date: 10-10-2001
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

Site ID: 111128
Site Name: Desert Lake CSD WTF
Site Address: W OF BORON
Site City: BORON
Site Zip: 93516
Enf Action Date: 11-17-2015
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

L138 **BORON CLASS III LANDFILL** **WMUDS/SWAT** **S101612513**
South **5 MI SO OF BORON** **LDS** **N/A**
< 1/8 **BORON, CA 93516** **ENF**
0.075 mi. **WDS**
396 ft. **Site 1 of 2 in cluster L** **CIWQS**
CERS

Actual:
2506 ft.

Focus Map:
52

WMUDS/SWAT:

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	SLDWST
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	SB
NPID:	Not reported
Tonnage:	32
Regional Board ID:	Not reported
Municipal Solid Waste:	True
Superorder:	True
Open To Public:	False
Waste List:	True
Agency Type:	County
Agency Name:	KERN CO DPW
Agency Department:	Not reported
Agency Address:	2700 M ST STE 500
Agency City,St,Zip:	BAKERSFIELD CA 93301
Agency Contact:	DAWN HANSEN
Agency Telephone:	8058625105
Land Owner Name:	KERN COUNTY
Land Owner Address:	2601 "O" ST.
Land Owner City,St,Zip:	BAKERSFIELD, CA 93301
Land Owner Contact:	Not reported
Land Owner Phone:	8058612621
Region:	6V
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	BORON SANITARY LANDFILL
Primary SIC:	4953
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	KERN COUNTY PUBLIC WORKS DEPT.
Threat to Water Quality:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared

BORON CLASS III LANDFILL (Continued) **S101612513**

to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Sub Chapter 15: True
Regional Board Project Officer: Not reported
Number of WMUDS at Facility: 1
Section Range: 10N07W05
RCRA Facility: No
Waste Discharge Requirements: A
Self-Monitoring Rept. Frequency: Semiannual Submittal
Waste Discharge System ID: 6B150303003
Solid Waste Information ID: 15-AA-0045

LDS:

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA 93516

Global Id: L10004638786
Latitude: 34.99048
Longitude: -117.6483
Case Type: Land Disposal Site
Status: Open - Operating
Status Date: 05/11/1984
Lead Agency: LAHONTAN RWQCB (REGION 6V)
Caseworker: AL
Local Agency: Not reported
RB Case Number: 6B150303003
LOC Case Number: Not reported
File Location: Regional Board
Potential Media Affect: Not reported
EDR Link ID: L10004638786
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

ENF:

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA 93516
Region: Not reported
Facility Id: 210078
Agency Name: Not reported
Place Type: Waste Management Unit
Place Subtype: Land fill
Facility Type: Solid Waste Class III - nonhazardous solid wastes
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 34.99028
Place Longitude: -117.6475
SIC Code 1: 4953
SIC Desc 1: Refuse Systems
SIC Code 2: Not reported

BORON CLASS III LANDFILL (Continued) **S101612513**

SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	403552
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	11/03/2015
Adoption/Issuance Date:	11/03/2015
Achieve Date:	Not reported

BORON CLASS III LANDFILL (Continued) **S101612513**

Termination Date:	11/04/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 11/03/2015 for Kern Cnty Waste Management Dept
Description:	Discharger was contacted 11/4/2015 and requested to include time series plots and tabulated water quality and soil gas monitoring data in all future monitoring reports. See attached email.
Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	210078
Agency Name:	Kern County Public Works Department
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	34.99028
Place Longitude:	-117.6475
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP

BORON CLASS III LANDFILL (Continued) **S101612513**

Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B150303003
Reg Measure Id:	132048
Reg Measure Type:	WDR
Region:	Not reported
Order #:	R6V-2002-052
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	05/05/2016
Effective Date:	09/11/2002
Expiration/Review Date:	Not reported
Termination Date:	02/10/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	50 - Land Disposal Site paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	256931
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	09/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/06/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B150303003
Description:	Directed discharger to sample and analyze ground water from monitoring wells for radioactive constituents. Discharger to submit report of findings to Regional Board by 1-3-03 pursuant to 9-6-02, 13267 letter. No further action is required. *Status changed to Historical 09/10/2014 (jmz); per information contained in Project file, compliance was achieved 01/06/2003
Program:	LFOPER
Latest Milestone Completion Date:	1/6/2003
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0

BORON CLASS III LANDFILL (Continued) **S101612513**

Total $ Paid/Completed Amount: 0

WDS:

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City:	BORON
Facility ID:	South Lahontan 150303003
Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	6618628900
Facility Contact:	DAVE PALMER
Agency Name:	KERN CO DPW
Agency Address:	2700 M ST STE 500
Agency City,St,Zip:	BAKERSFIELD 93301
Agency Contact:	ERIC GREENWOOD
Agency Telephone:	6618628918
Agency Type:	County
SIC Code:	4953
SIC Code 2:	Not reported
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste:	SLDWST
Waste Type2:	Not reported
Waste2:	Solid Wastes
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City:	BORON
Facility ID:	South Lahontan 15I013466

BORON CLASS III LANDFILL (Continued) **S101612513**

Facility Type:	Solid Waste Site-Class III - Landfills for non hazardous solid wastes.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	0
Facility Telephone:	6618628900
Facility Contact:	DAVE PALMER
Agency Name:	KERN CO DPW
Agency Address:	2700 M ST STE 500
Agency City,St,Zip:	BAKERSFIELD 93301
Agency Contact:	ERIC GREENWOOD
Agency Telephone:	6618628918
Agency Type:	County
SIC Code:	4953
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA 93516
Agency:	Kern County Public Works Department
Agency Address:	2700 M Street 500, Bakersfield, CA 93301-2372
Place/Project Type:	Land fill
SIC/NAICS:	4953
Region:	SB
Program:	LFOPER, LNDISP, SLIC
Regulatory Measure Status:	Active
Regulatory Measure Type:	Co-Permitee
Order Number:	2019-0006-DWQ
WDID:	6B150303003
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	03/20/2019

BORON CLASS III LANDFILL (Continued) **S101612513**

Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	11
Latitude:	34.99028
Longitude:	-117.6475

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA 93516
Agency:	Kern County Public Works Department
Agency Address:	2700 M St Ste 500, Bakersfield, CA 93301
Place/Project Type:	Industrial - Refuse Systems
SIC/NAICS:	4953
Region:	6V
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	6B15I013466
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	10/15/1997
Termination Date:	05/22/2013
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.99942
Longitude:	-117.64978

CERS:

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA 93516
Site ID:	99657
CERS ID:	210078
CERS Description:	Land Disposal

Violations:

Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	12-28-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	(1) Exceeded Chloride WQPS (176.7 mg/L) in BO1-07. (2) Exceeded TDS WQPS (891 mg/L) in BO1-08. (3) Exceeded dichlorodifluoromethane WQPS (0.5 ug/L) in BO1-06. Violates board order R6V-2002-052 (1) WDR I. A. 4., (2) WDR I. A. 2, (3) WDR II. A. 9.
Violation Division:	Water Boards

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 08-24-1994
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DID NOT SUBMIT PHOTOS OF LANDFILL, VIOLATIO OF DISPOSAL AREA USED % OF TOTAL VOLUME USED FOR WASTE DISPOSAL IN 2ND QUARTER 1994 SMR
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 04-25-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Threatened discharge of radioactive constituents from landfilled waste.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-26-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded the Water Quality Protection Standard for chloride (220 mg/L), sulfate (230 mg/L) in one well (B01-06), and total dissolved solids (955, 891, and 910 mg/L) in three wells (B01-06, B01-08, B01-10) during the second semi-annual 2018 monitoring period. Violates Board Order R6V-2016-0004, WDR section III.D.2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 08-20-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: (1) Exceeded MDL of Trichlorofluoromethane during the 1st half semi-annual monitoring period. Violates Board Order R6V-2016-0004 MRP I.C.2 (2) Exceeded WQPS of Chloride, Sulfate, and TDS during the 1st half semi-annual monitoring period. Violates Board Order R6V-2016-0004 WDR III.D.2
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-10-1999
Citation: California Water Code

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Description: Not reported
Violation Notes: REPORT WAS SUBMITTED LATE, DUE BY THE 45TH DAY FOLLOWING THE END OF THE QUARTER
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 03-08-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Chloride WQPS: 176.7mg/L; MCL: 250mg/L. BO1-07: 180mg/L.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-11-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Chloroform detected above PQL in sample pulled from unsaturated zone lysimeter B01-05.Violated Board Order 6-02-0052 (MRP II.C.2.c)
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-10-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: REPORT WAS LATE, DUE BY THE 45TH DAY AFTER THE END OF THE QUARTER
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 07-31-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 07/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 03-04-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded WQPS concentration limits establish in 2001 for TDS. Violated Board Order 2002-052 (MRP II.C.1.c)
Violation Division: Water Boards
Violation Program: LFOPER

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-14-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FIRST QUARTER 99 MONITORING REPORT WAS LATE, DUE 45 DAYS FOLLOWING END QUARTER.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 07-06-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded Chloride (176.7 mg/L) in BO1-07 and Dichlorodifluoromethane (0.5 ug/L) in BO1-06 WQPS limits, violates Board Order R6V-2002-052 MRP I. A. 1. b.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 08-20-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Vacuum was not applied on the system pressure line for each lysimeter to 70-80 centibars for at least 24 hours. Violates Board Order R6V-2016-0004 MRP II.A.2.c.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-26-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Vacuum was not applied on the system pressure line for each lysimeter to 70-80 centibars for at least 24 hours.. Violates Board Order R6V-2016-0004, MRP section II.A.2.c.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-10-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: REPORT WAS LATE DUE 90 DAYS AFTER THE END OF THE LAST QUARTER OF THE YEAR
Violation Division: Water Boards

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 09-14-2012
Citation: California Water Code
Violation Description: Not reported
Violation Notes: bis-(2-Ethylhexyl)phthalate (WQPS 4 ug/L) was found in a concentration that exceeds the WQPS limits. Violates Board Order WDR I.A.2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-11-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to sample from lysimeter B01-02. Violated Board Order 6-02-0052 (MRP II.B.2)
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 11-01-2018
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded the Water Quality Protection Standard for chloride (220 mg/L), sulfate (230 mg/L), and total dissolved solids (955 mg/L) in one well (B01-06) during the first semi-annual 2018 monitoring period. Violates Board Order R6V-2016-0004, WDR section III.D.2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-10-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: REPORT WAS LATE, DUE 45 DAYS FOLLOWING END OF QUARTER
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 04-14-2011
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded WQPS for dichlorodifluoromethane (0.099 ug/L), tetrachloroethene (0.13 ug/L) and trichlorofluoromethane (0.13 ug/L), violates board order 6-02-0052 WDR I. A. 2.
Violation Division: Water Boards

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 04-09-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: (1) Exceeded MDL for Trichlorofluoromethane during Semi-annual 2H 2018 monitoring period. Violates R6V-2016-0004, MRP I.C.2 (2) Exceeded WQPS for Chloride, Sulfate, and Total Dissolved Solids during Semi-annual 2H 2018 monitoring period. Violates R6V-2016-0004, WDR III.D.2
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded primary groundwater MCLs for chloride and sulfate in multiple wells. Board Order No. R6V-2002-052 Req. I. A. 2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 05-19-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 07/30/2005
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 08-19-2015
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to provide results for parameters related to the Corrective Action Monitoring Program. Violates Board Order R6V-2002-052, WDR section IV.C. 1 and MRP section IV.A.1.a.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 01-31-2007
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 01/30/2007
Violation Division: Water Boards
Violation Program: LNDISP

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-11-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Sulfate concentration exceeded WQPS in ground water well B01-08. Violated Board Order 6-02-0052 (MRP II.C.1.c)
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-20-2005
Citation: California Water Code
Violation Description: Not reported
Violation Notes: SUBMITTED LATE, WDR 45 DAYS PAST END OF QUARTER
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 11-05-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Chloride Well BO1-07 WQPS: 176.6mg/L, Reading: 190mg/L. Chloride Well BO1-10 WQPS: 183.4mg/L, Reading: 190mg/L. Sulfate Well BO1-06 WQPS: 226mg/L, Reading: 230mg/L. Sulfate Well BO1-07 WQPS: 231.7mg/L, Reading: 240mg/L. TDS Well BO1-07 WQPS: 980mg/L, Reading: 1100mg/L. TDS Well BO1-08 WQPS: 891mg/L, Reading: 1000mg/L. TDS Well BO1-10 WQPS
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 03-20-1996
Citation: California Water Code
Violation Description: Not reported
Violation Notes: PONDING OF RAINWATER IN SOME AREAS. EROSION OF COVER AND EXPOSURE OF WASTE ON NORTH FACE.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 08-23-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded WQPS for chloride (176.7 mg/L for B01-07) and dichlorodifluoromethane (0.5 ug/L in B01-06), violates board order 6-02-0052 WDR I. A. 2.
Violation Division: Water Boards

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-02-2011
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded WQPS for chloride, TDS, dichlorodifluoromethane and tetrachloroethene, violates board order 6-02-0052 WDR I. A. 2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 03-26-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Well BO1-07 slightly exceeded the WQPS limit (176.7 mg/L) with a measurement of 180 mg/L.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 10-31-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 10/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-25-2008
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 3/17/08 Well BO 1-07 slightly exceed the WQPS limit of 177 mg/L for chloride with a chloride concentration of 180 mg/L.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 05-19-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 04/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657

BORON CLASS III LANDFILL (Continued) **S101612513**

Site Name: Boron Class III Landfill
Violation Date: 05-19-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 02/14/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-1996
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2012
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-12-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-05-1996
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2017

BORON CLASS III LANDFILL (Continued) **S101612513**

Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-22-2014
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-24-2018
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-29-2009
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-24-1995
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-31-1999
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2013
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported

BORON CLASS III LANDFILL (Continued) **S101612513**

Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-04-1997
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-09-1998
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-21-1994
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-06-2001
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 02-08-2001
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-02-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

BORON CLASS III LANDFILL (Continued) **S101612513**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2003
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-13-2007
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Enforcement Action:
Site ID: 99657
Site Name: Boron Class III Landfill
Site Address: 5 MI SO OF BORON
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-06-2002
Enf Action Type: Enforcement Letter (Formal)
Enf Action Description: Enforcement Letter Citing Violations and with Required Actions (Formal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LFOPER
Enf Action Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Site Address: 5 MI SO OF BORON
Site City: BORON
Site Zip: 93516
Enf Action Date: 11-03-2015
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LFOPER
Enf Action Source: CIWQS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: Kern County Public Works Department
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

BORON CLASS III LANDFILL (Continued) **S101612513**

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	TIFFANY STEINERT - LAHONTAN RWQCB (REGION 6V)
Entity Title:	Not reported
Affiliation Address:	15095 Amargosa Road, Building 2, Suite 210
Affiliation City:	Victorville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7602417305

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA 93516
Site ID:	99657
CERS ID:	L10004638786
CERS Description:	Land Disposal Site

Violations:

Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	12-28-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	(1) Exceeded Chloride WQPS (176.7 mg/L) in BO1-07. (2) Exceeded TDS WQPS (891 mg/L) in BO1-08. (3) Exceeded dichlorodifluoromethane WQPS (0.5 ug/L) in BO1-06. Violates board order R6V-2002-052 (1) WDR I. A. 4., (2) WDR I. A. 2, (3) WDR II. A. 9.
Violation Division:	Water Boards
Violation Program:	LFOPER
Violation Source:	CIWQS

Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	08-24-1994
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	DID NOT SUBMIT PHOTOS OF LANDFILL, VIOLATIO OF DISPOSAL AREA USED % OF TOTAL VOLUME USED FOR WASTE DISPOSAL IN 2ND QUARTER 1994 SMR
Violation Division:	Water Boards
Violation Program:	LFOPER
Violation Source:	CIWQS

Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	04-25-2002
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Threatened discharge of radioactive constituents from landfilled waste.
Violation Division:	Water Boards
Violation Program:	LFOPER
Violation Source:	CIWQS

Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	02-26-2019
Citation:	California Water Code

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Description:	Not reported
Violation Notes:	Exceeded the Water Quality Protection Standard for chloride (220 mg/L), sulfate (230 mg/L) in one well (B01-06), and total dissolved solids (955, 891, and 910 mg/L) in three wells (B01-06, B01-08, B01-10) during the second semi-annual 2018 monitoring period. Violates Board Order R6V-2016-0004, WDR section III.D.2.
Violation Division:	Water Boards
Violation Program:	LFOPER
Violation Source:	CIWQS
Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	08-20-2019
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	(1) Exceeded MDL of Trichlorofluoromethane during the 1st half semi-annual monitoring period. Violates Board Order R6V-2016-0004 MRP I.C.2 (2) Exceeded WQPS of Chloride, Sulfate, and TDS during the 1st half semi-annual monitoring period. Violates Board Order R6V-2016-0004 WDR III.D.2
Violation Division:	Water Boards
Violation Program:	LFOPER
Violation Source:	CIWQS
Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	06-10-1999
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	REPORT WAS SUBMITTED LATE, DUE BY THE 45TH DAY FOLLOWING THE END OF THE QUARTER
Violation Division:	Water Boards
Violation Program:	LFOPER
Violation Source:	CIWQS
Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	03-08-2013
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Chloride WQPS: 176.7mg/L; MCL: 250mg/L. BO1-07: 180mg/L.
Violation Division:	Water Boards
Violation Program:	LFOPER
Violation Source:	CIWQS
Site ID:	99657
Site Name:	Boron Class III Landfill
Violation Date:	02-11-2014
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Chloroform detected above PQL in sample pulled from unsaturated zone lysimeter B01-05.Violated Board Order 6-02-0052 (MRP II.C.2.c)
Violation Division:	Water Boards
Violation Program:	LFOPER
Violation Source:	CIWQS
Site ID:	99657

BORON CLASS III LANDFILL (Continued) **S101612513**

Site Name: Boron Class III Landfill
Violation Date: 06-10-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: REPORT WAS LATE, DUE BY THE 45TH DAY AFTER THE END OF THE QUARTER
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 07-31-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 07/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 03-04-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded WQPS concentration limits establish in 2001 for TDS. Violated Board Order 2002-052 (MRP II.C.1.c)
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-14-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FIRST QUARTER 99 MONITORING REPORT WAS LATE, DUE 45 DAYS FOLLOWING END QUARTER.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 07-06-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded Chloride (176.7 mg/L) in BO1-07 and Dichlorodifluoromethane (0.5 ug/L) in BO1-06 WQPS limits, violates Board Order R6V-2002-052 MRP I. A. 1. b.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 08-20-2019
Citation: California Water Code

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Description: Not reported
Violation Notes: Vacuum was not applied on the system pressure line for each lysimeter to 70-80 centibars for at least 24 hours. Violates Board Order R6V-2016-0004 MRP II.A.2.c.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-26-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Vacuum was not applied on the system pressure line for each lysimeter to 70-80 centibars for at least 24 hours.. Violates Board Order R6V-2016-0004, MRP section II.A.2.c.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-10-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: REPORT WAS LATE DUE 90 DAYS AFTER THE END OF THE LAST QUARTER OF THE YEAR
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 09-14-2012
Citation: California Water Code
Violation Description: Not reported
Violation Notes: bis-(2-Ethylhexyl)phthalate (WQPS 4 ug/L) was found in a concentration that exceeds the WQPS limits. Violates Board Order WDR I.A.2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-11-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to sample from lysimeter B01-02. Violated Board Order 6-02-0052 (MRP II.B.2)
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 11-01-2018
Citation: California Water Code

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Description: Not reported
Violation Notes: Exceeded the Water Quality Protection Standard for chloride (220 mg/L), sulfate (230 mg/L), and total dissolved solids (955 mg/L) in one well (B01-06) during the first semi-annual 2018 monitoring period. Violates Board Order R6V-2016-0004, WDR section III.D.2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-10-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: REPORT WAS LATE, DUE 45 DAYS FOLLOWING END OF QUARTER
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 04-14-2011
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded WQPS for dichlorodifluoromethane (0.099 ug/L), tetrachloroethene (0.13 ug/L) and trichlorofluoromethane (0.13 ug/L), violates board order 6-02-0052 WDR I. A. 2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 04-09-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: (1) Exceeded MDL for Trichlorofluoromethane during Semi-annual 2H 2018 monitoring period. Violates R6V-2016-0004, MRP I.C.2 (2) Exceeded WQPS for Chloride, Sulfate, and Total Dissolved Solids during Semi-annual 2H 2018 monitoring period. Violates R6V-2016-0004, WDR III.D.2
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-17-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded primary groundwater MCLs for chloride and sulfate in multiple wells. Board Order No. R6V-2002-052 Req. I. A. 2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Date: 05-19-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 07/30/2005
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 08-19-2015
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to provide results for parameters related to the Corrective Action Monitoring Program. Violates Board Order R6V-2002-052, WDR section IV.C. 1 and MRP section IV.A.1.a.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 01-31-2007
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 01/30/2007
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-11-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Sulfate concentration exceeded WQPS in ground water well B01-08. Violated Board Order 6-02-0052 (MRP II.C.1.c)
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-20-2005
Citation: California Water Code
Violation Description: Not reported
Violation Notes: SUBMITTED LATE, WDR 45 DAYS PAST END OF QUARTER
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 11-05-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Chloride Well BO1-07 WQPS: 176.6mg/L, Reading: 190mg/L. Chloride Well

BORON CLASS III LANDFILL (Continued) **S101612513**

BO1-10 WQPS: 183.4mg/L, Reading: 190mg/L. Sulfate Well BO1-06 WQPS: 226mg/L, Reading: 230mg/L. Sulfate Well BO1-07 WQPS: 231.7mg/L, Reading: 240mg/L. TDS Well BO1-07 WQPS: 980mg/L, Reading: 1100mg/L. TDS Well BO1-08 WQPS: 891mg/L, Reading: 1000mg/L. TDS Well BO1-10 WQPS

Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 03-20-1996
Citation: California Water Code
Violation Description: Not reported
Violation Notes: PONDING OF RAINWATER IN SOME AREAS. EROSION OF COVER AND EXPOSURE OF WASTE ON NORTH FACE.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 08-23-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded WQPS for chloride (176.7 mg/L for B01-07) and dichlorodifluoromethane (0.5 ug/L in B01-06), violates board order 6-02-0052 WDR I. A. 2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 02-02-2011
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded WQPS for chloride, TDS, dichlorodifluoromethane and tetrachloroethene, violates board order 6-02-0052 WDR I. A. 2.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 03-26-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Well BO1-07 slightly exceeded the WQPS limit (176.7 mg/L) with a measurement of 180 mg/L.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 10-31-2006
Citation: California Water Code

BORON CLASS III LANDFILL (Continued) **S101612513**

Violation Description: Not reported
Violation Notes: Failed to submit report by 10/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 06-25-2008
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 3/17/08 Well BO 1-07 slightly exceed the WQPS limit of 177 mg/L for chloride with a chloride concentration of 180 mg/L.
Violation Division: Water Boards
Violation Program: LFOPER
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 05-19-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 04/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99657
Site Name: Boron Class III Landfill
Violation Date: 05-19-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 02/14/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-1996
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2012
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection

BORON CLASS III LANDFILL (Continued) **S101612513**

Eval Date: 05-12-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-05-1996
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2017
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-22-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2018
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2009
Violations Found: No
Eval Type: RWQCB Type B compliance inspection

BORON CLASS III LANDFILL (Continued) **S101612513**

Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-24-1995
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-31-1999
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2013
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-1997
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-09-1998
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-21-1994
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER

BORON CLASS III LANDFILL (Continued) **S101612513**

Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-06-2001
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 02-08-2001
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-02-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-21-2003
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-13-2007
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LFOPER
Eval Source: CIWQS

Enforcement Action:
Site ID: 99657
Site Name: Boron Class III Landfill
Site Address: 5 MI SO OF BORON
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-06-2002
Enf Action Type: Enforcement Letter (Formal)
Enf Action Description: Enforcement Letter Citing Violations and with Required Actions (Formal)

BORON CLASS III LANDFILL (Continued) **S101612513**

Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LFOPER
Enf Action Source:	CIWQS
Site ID:	99657
Site Name:	Boron Class III Landfill
Site Address:	5 MI SO OF BORON
Site City:	BORON
Site Zip:	93516
Enf Action Date:	11-03-2015
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LFOPER
Enf Action Source:	CIWQS

Affiliation:

Affiliation Type Desc:	Operator
Entity Name:	Kern County Public Works Department
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	TIFFANY STEINERT - LAHONTAN RWQCB (REGION 6V)
Entity Title:	Not reported
Affiliation Address:	15095 Amargosa Road, Building 2, Suite 210
Affiliation City:	Victorville
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7602417305

L139 **BORON CLASS III LANDFILL** **PFAS** **S127520799**
South **5 MI SO OF BORON** **N/A**
< 1/8 **BORON, CA**
0.075 mi.
396 ft. **Site 2 of 2 in cluster L**

Actual:
2506 ft.

Focus Map:
52

PFAS:

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786

BORON CLASS III LANDFILL (Continued) **S127520799**

Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals

BORON CLASS III LANDFILL (Continued) **S127520799**

Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

BORON CLASS III LANDFILL (Continued) **S127520799**

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA

BORON CLASS III LANDFILL (Continued) **S127520799**

Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005

BORON CLASS III LANDFILL (Continued) **S127520799**

Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

BORON CLASS III LANDFILL (Continued) **S127520799**

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA

BORON CLASS III LANDFILL (Continued) **S127520799**

Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

BORON CLASS III LANDFILL (Continued) **S127520799**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005

BORON CLASS III LANDFILL (Continued) **S127520799**

Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

Name: BORON CLASS III LANDFILL
Address: 5 MI SO OF BORON
City,State,Zip: BORON, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: L10004638786
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 34.990488005
Longitude: -117.64831781
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

BORON CLASS III LANDFILL (Continued) **S127520799**

Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	L10004638786
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	34.990488005
Longitude:	-117.64831781
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10004638786

J140 **PILOT TRAVEL CENTER** **HAZNET** **S123071818**
ENE **5823 CA-58** **HWTS** **N/A**
< 1/8 **BORON, CA 93516**
0.079 mi.
419 ft. **Site 2 of 2 in cluster J**

Actual:
2477 ft.

Focus Map:
54

HAZNET:

Name:	PILOT TRAVEL CENTER
Address:	5823 CA-58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	JOEY CUPP
Telephone:	8655887488
Mailing Name:	Not reported
Mailing Address:	5508 LONAS DR.
Year:	2017
Gepaid:	CAC002935162
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	3.336

Additional Info:

Year:	2017
Gen EPA ID:	CAC002935162
Shipment Date:	20171108

PILOT TRAVEL CENTER (Continued) **S123071818**

Creation Date:	6/13/2018 18:31:31
Receipt Date:	20171109
Manifest ID:	015510669JJK
Trans EPA ID:	CAD053866794
Trans Name:	PATRIOT ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO/KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.336
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PILOT TRAVEL CENTER
Address:	5823 CA-58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002935162
Inactive Date:	02/03/2018
Create Date:	11/03/2017
Last Act Date:	02/03/2018
Mailing Name:	Not reported
Mailing Address:	5508 LONAS DR.
Mailing Address 2:	Not reported
Mailing City,State,Zip:	KNOXVILLE, TN 37909
Owner Name:	PILOT TRAVEL CENTER CORP.
Owner Address:	5508 LONAS DR.
Owner Address 2:	Not reported
Owner City,State,Zip:	KNOXVILLE, TN 37909
Contact Name:	JOEY CUPP
Contact Address:	5508 LONAS DR.
Contact Address 2:	Not reported
City,State,Zip:	KNOXVILLE, TN 37909

M141 **KCWMD - BORON LANDFILL** **FINDS 1023300979**
South **11400 BORON AVE** **N/A**
< 1/8 **BORON, CA 93516**
0.083 mi.
438 ft. **Site 1 of 8 in cluster M**

Actual:
2503 ft.

FINDS:
Registry ID: 110065930559

Focus Map:
52

Click Here:

KCWMD - BORON LANDFILL (Continued) **1023300979**

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M142 **KERN COUNTY PUBLIC WORKS DEPARTMENT** **SWF/LF** **S104889754**
South **11400 BORON AVENUE** **CERS HAZ WASTE** **N/A**
< 1/8 **BORON, CA 93516** **CUPA Listings**
0.083 mi. **Financial Assurance**
438 ft. **Site 2 of 8 in cluster M** **HAZNET**
CERS
Actual: **HWTS**
2503 ft.

Focus Map: **52**

SWF/LF (SWIS):

Name:	BORON SANITARY LANDFILL
Address:	11400 BORON AVENUE
City,State,Zip:	BORON, CA 93516
Region:	STATE
Facility ID:	15-AA-0045
SWIS Number:	15-AA-0045
Point of Contact:	Christine Karl
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	Yes
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	1.100126953e+11
ARB District:	Kern
SWRCB Region:	Lahontan
Local Government:	Kern County (Unincorporated)
Reporting Agency Legal Name:	County of Kern
Reporting Agency Department:	Environmental Health Division
Enforcing Agency Legal Name:	County of Kern
Enforcing Agency Department:	Environmental Health Division
Regulation Status:	Permitted

Activity:

SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Activity:	Solid Waste Landfill
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Facility
WDR Number:	Not reported
WDR Landfill Class:	III
Cease Operation:	1/1/2048
Cease Operation Type:	Estimated
Inspection Frequency:	Monthly
Throughput:	200
Throughput Units:	Tons per day
Remaining Capacity:	191380
Remaining Capacity Date:	9/24/2019
Capacity:	1057000
Capacity Units:	Cubic Yards
Total Acreage:	120.2

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Disposal Acreage:	14.1
Permitted Elevation:	2446
Permitted Elevation Type:	MSL
Permitted Depth:	25
Permitted Depth Type:	BGL
Point of Contact:	Christine Karl
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	Yes
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	1.100126953e+11
County:	Kern
ARB District:	Kern
SWRCB Region:	Lahontan
Local Government:	Kern County (Unincorporated)
Street Address:	11400 Boron Avenue
City:	Boron
State:	CA
ZIP Code:	93516
Reporting Agency Legal Name:	County of Kern
Reporting Agency Department:	Environmental Health Division
Enforcing Agency Legal Name:	County of Kern
Enforcing Agency Department:	Environmental Health Division

Operator:

SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Site Operational Status:	Active
Site Type:	Disposal Only
Site Regulatory Status:	Permitted
Latitude:	34.99028
Longitude:	-117.6475
Is Archived:	No
Operator:	Kern County Public Works Department
Started On:	9/14/2015
Contact Name:	Bryon Smith
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(661) 862-8900
Street Address:	2700 "M" St., Suite 450
Operator City:	Bakersfield
Operator State:	CA
Operator Zip:	93301

Owner:

SWIS Number:	15-AA-0045
Owner:	County of Kern
Owner Address:	1115 Truxten Ave
Owner City:	Bakerfield
Owner State:	CA
Owner Zip:	93301

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Site Name:	Boron Sanitary Landfill
Site Operational Status:	Active
Site Type:	Disposal Only
Site Regulatory Status:	Permitted
Latitude:	34.99028
Longitude:	-117.6475
Is Archived:	No
Started On:	4/29/2014
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(661) 862-8900

Waste:

SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Activity:	Solid Waste Landfill
Waste Type:	Agricultural
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Disposal
Activity Classification:	Solid Waste Facility

SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Activity:	Solid Waste Landfill
Waste Type:	Ash
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Disposal
Activity Classification:	Solid Waste Facility

SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Activity:	Solid Waste Landfill
Waste Type:	Construction/demolition
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Disposal

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Activity Classification:	Solid Waste Facility
SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Activity:	Solid Waste Landfill
Waste Type:	Dead Animals
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Disposal
Activity Classification:	Solid Waste Facility
SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Activity:	Solid Waste Landfill
Waste Type:	Green Materials
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Disposal
Activity Classification:	Solid Waste Facility
SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Activity:	Solid Waste Landfill
Waste Type:	Industrial
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Disposal
Activity Classification:	Solid Waste Facility
SWIS Number:	15-AA-0045
Site Name:	Boron Sanitary Landfill
Activity:	Solid Waste Landfill
Waste Type:	Mixed municipal
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Activity Operational Status: Active
Activity Regulatory Status: Permitted
Activity Category: Disposal
Activity Classification: Solid Waste Facility

SWIS Number: 15-AA-0045
Site Name: Boron Sanitary Landfill
Activity: Solid Waste Landfill
Waste Type: Tires
Site Is Archived: No
Site Operational Status: Active
Site Regulatory Status: Permitted
Site Type: Disposal Only
Point of Contact: Christine Karl
Activity Is Archived: No
Activity Operational Status: Active
Activity Regulatory Status: Permitted
Activity Category: Disposal
Activity Classification: Solid Waste Facility

CERS HAZ WASTE:
Name: KERN COUNTY PUBLIC WORKS DEPARTMENT - BORON LANDFILL
Address: 11400 BORON AVE
City,State,Zip: BORON, CA 93516
Site ID: 41217
CERS ID: 10231186
CERS Description: Hazardous Waste Generator

KERN CO CUPA:
Facility ID: FA0000457
CERS ID: 10231186
Name: KERN COUNTY PUBLIC WORKS DEPARTMENT - BORON LANDFILL
Address: 11400 BORON AVE
Address 2: Not reported
City,State,Zip: BORON, CA
Billing Status: Active, billable
Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code: CB1T
HMIRRP Due Date: 6/30/2013
Current Inspection Date: 8/1/2021
Employee: CUPA 9
Mailing Address: 2700 M ST SUITE 400
Mailing Address 2: Not reported
Mailing City: BAKERSFIELD
Mailing State: CA
Mailing Zip: 93301

CA Financial Assurance 2:
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City,State,Zip: BORON, CA 93516
Region: 2
SWIS_NO: 15-AA-0045
Closure Approved: Yes
Closure Inf Coverage Date: 05/29/2020

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Closure Plan Coverage:	1305360
Closure Plan Date:	11/01/2018
PostClose Approved:	Yes
PostClose Adequacy Date:	11/01/2018
PostClose Inf Coverage:	2230000
PostClose Inf Coverage Date:	05/29/2020
CorActCoverage:	254541
CorActApproved:	Yes
CorAct Mec Adequacy Date:	Not reported
CorAct Inf Coverage:	254541
CorActPlanCoverage:	186164
CorAct Plan Date:	07/01/2003
Lia Coverage:	3000000
Lia Approved:	Yes
Review:	04/05/2021
Closure Mechanism A:	ENTERPRISE FUND
Closure Mechanism B:	Not reported
Closure Coverage:	1843319
Closure Adequacy:	Not reported
Closure Inflation Estimate:	1843319
Post Closure Mechanism A:	PLEDGE OF REVENUE
Post Closure Established A:	04/05/1994
Post Closure Mechanism B:	Not reported
Post Closure Coverate:	2230000
Post Closure Adequacy:	Not reported
Corrective Action Extablished A:	09/11/2012
Corrective Actiont Coverage:	254541
Corrective Action Approved:	Yes
Corrective Action Inflation Estimate:	254541
Corrective Action Inflationdate:	05/29/2020
Corrective Action Plan Estimate:	186164
Liability Mechanism A:	SELF-INS. & RISK MANAGEMENT
Liability Established A:	08/14/2013
Liability Mechanism B:	Not reported
CostAnniversary:	05/29/2020
ClosureEstablishedA:	10/30/1990
ClosureEstablishedB:	Not reported
ClosureDisbursement:	0
PostClosureEstablishedB:	Not reported
PostClosureDisbursement:	0
CorrectiveActionMechanismA:	PLEDGE OF REVENUE
CorrectiveActionMechanismB:	Not reported
CorrectiveActionExtablishedB:	Not reported
CorrectiveActiontDisbursement:	0
LiabilityEstablishedB:	Not reported
LiabilityAdequacy:	Not reported
Responsible Party:	Not reported
Provider:	Not reported
Contact:	Not reported

HAZNET:

Name:	BORON SANITARY LANDFILL
Address:	11400 BORON AVENUE
Address 2:	Not reported
City,State,Zip:	BORON, CA 933010000
Contact:	DENISE SAUCEDO
Telephone:	6618625208

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Mailing Name: Not reported
Mailing Address: 2700 M STREET STE 450

Year: 2019
Gepaid: CAH111000199
TSD EPA ID: NED981723513
CA Waste Code: 612 - Household waste
Disposal Method: H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons: 0.13000

Year: 2018
Gepaid: CAH111000199
TSD EPA ID: CAH111000385
CA Waste Code: 612 - Household waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.01250

Year: 2016
Gepaid: CAH111000199
TSD EPA ID: CAH111000385
CA Waste Code: 612 - Household waste
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 1.625

CERS:
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City,State,Zip: BORON, CA 93516
Site ID: 455274
CERS ID: 110012695299
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City,State,Zip: BORON, CA
Site ID: 507168
CERS ID: 15-AA-0045
CERS Description: Solid Waste and Recycle Sites

Affiliation:
Affiliation Type Desc: Legal Operator
Entity Name: Kern County Public Works Department
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301
Affiliation Phone: 6618628900

Affiliation Type Desc: Legal Owner
Entity Name: COUNTY OF KERN
Entity Title: Not reported
Affiliation Address: Not reported

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Affiliation City: Bakerfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301
Affiliation Phone: 6618628900

Name: KERN COUNTY PUBLIC WORKS DEPARTMENT - BORON LANDFILL
Address: 11400 BORON AVE
City,State,Zip: BORON, CA 93516
Site ID: 41217
CERS ID: 10231186
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 41217
Site Name: Kern County Public Works Department - BORON LANDFILL
Violation Date: 09-27-2018
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes: Returned to compliance on 10/26/2018. Submit waste oil manifests within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 41217
Site Name: Kern County Public Works Department - BORON LANDFILL
Violation Date: 09-27-2018
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes: Returned to compliance on 10/26/2018. Observed accumulation of debris and oil like substance in the secondary containment at the oil pod. Maintain containment to prevent the release of oil on to the ground. Provide photos to abate violation within 30 days. Elizabeth King KINGEL@kerncounty.com.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-27-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-24-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Operator
Entity Name: SERGIO FURTADO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (661) 862-8958

Affiliation Type Desc: Parent Corporation
Entity Name: KERN COUNTY PUBLIC WORKS DEPT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Rachel Woodard
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: SERGIO FURTADO
Entity Title: Not reported
Affiliation Address: 2700 M ST SUITE 400
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 2700 M ST SUITE 400
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Rachel Woodard
Entity Title: Public Works Maintenance Supervisor
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Kern County Public Works Department
Entity Title: Not reported
Affiliation Address: 2700 M ST SUITE 400
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93301
Affiliation Phone: (661) 862-8900

HWTS:
Name: BORON SANITARY LANDFILL

KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued) **S104889754**

Address:	11400 BORON AVENUE
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAH111000199
Inactive Date:	Not reported
Create Date:	02/10/1994
Last Act Date:	02/06/2020
Mailing Name:	Not reported
Mailing Address:	2700 M STREET STE 450
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 933010000
Owner Name:	KERN CO WASTE MANAGEMENT DEPT
Owner Address:	2700 M STREET STE 450
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 933010000
Contact Name:	DENISE SAUCEDO
Contact Address:	2700 M STREET STE 450
Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 933010000

NAICS:

EPA ID:	CAH111000199
Create Date:	2020-02-06 09:49:16.720
NAICS Code:	562111
NAICS Description:	Solid Waste Collection
Issued EPA ID Date:	1994-02-10 00:00:00
Inactive Date:	Not reported
Facility Name:	BORON SANITARY LANDFILL
Facility Address:	11400 BORON AVENUE
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

M143 **BORON SANITARY LANDFILL** **FINDS** **1006328376**
South **11400 BORON AVENUE** **N/A**
< 1/8 **BORON, CA 93516**
0.083 mi.
438 ft. **Site 3 of 8 in cluster M**

Actual:
2503 ft.

Focus Map:
52

FINDS:
Registry ID: 110012695299

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
CASWIS (California Solid Waste Integrating System). California's solid waste facility list that contains information on solid waste facilities, operations, and open and closed disposal sites throughout the state.

BORON SANITARY LANDFILL (Continued) **1006328376**

UORS (California - Used Oil Recycling System). California Integrated Waste Management Board (CIWMB) helps communities establish and promote convenient collection opportunities for used oil and used oil filters.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M144 **KERN COUNTY WASTE MANAGEMENT** **FINDS** **1017372288**
South **11400 BORON AVENUE** **N/A**
< 1/8 **BORON, CA 93516**
0.083 mi.
438 ft. **Site 4 of 8 in cluster M**

Actual:
2503 ft.

Focus Map:
52

FINDS:
Registry ID: 110070521335

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
Registry ID: 110060756882

Click Here:

Environmental Interest/Information System:
LANDFILL GAS (LFG) RECOVERY

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

M145 **BORON SANITARY LANDFILL** **RGA LF** **S114725454**
South **11400 BORON AVENUE** **N/A**
< 1/8 **BORON, CA**
0.083 mi.
438 ft. **Site 5 of 8 in cluster M**

Actual:
2503 ft.

Focus Map:
52

RGA LF:
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2012 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2011 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2010 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2009 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE

BORON SANITARY LANDFILL (Continued) **S114725454**

City: BORON
State: BORON
2008 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2007 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2006 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2005 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2004 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2003 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2002 BORON SANITARY LANDFILL 11400 BORON AVENUE
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City: BORON
State: BORON
2001 BORON SANITARY LANDFILL 11400 BORON AVENUE

M146 **BORON SANITARY LANDFILL** **ECHO** **1024155960**
South **11400 BORON AVENUE** **N/A**
< 1/8 **BORON, CA 93516**
0.083 mi.
438 ft. **Site 6 of 8 in cluster M**

Actual:
2503 ft.

Focus Map:
52

ECHO:
Envid: 1024155960
Registry ID: 110012695299
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012695299
Name: BORON SANITARY LANDFILL
Address: 11400 BORON AVENUE
City,State,Zip: BORON, CA 93516

M147 **BORON SANITARY LANDFILL** **RCRA NonGen / NLR** **1024784273**
South **11400 BORON AVENUE** **CAH111000199**
< 1/8 **BORON, CA 93516**
0.083 mi.
438 ft. **Site 7 of 8 in cluster M**

Actual:
2503 ft.

Focus Map:
52

RCRA NonGen / NLR:

Date Form Received by Agency:		20200205
Handler Name:	BORON SANITARY LANDFILL	
Handler Address:		11400 BORON AVENUE
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAH111000199
Contact Name:		DENISE SAUCEDO
Contact Address:		M STREET SUITE 450
Contact City,State,Zip:		BAKERSFIELD, CA 93301
Contact Telephone:		661-862-5208
Contact Fax:		Not reported
Contact Email:		SAUCEDOD@KERNCOUNTY.COM
Contact Title:		PUBLIC WORKS MAINTENANCE SUPERINTENDENT
EPA Region:		09
Land Type:		County
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		M STREET SUITE 450
Mailing City,State,Zip:		BAKERSFIELD, CA 93301
Owner Name:		COUNTY OF KERN
Owner Type:		County
Operator Name:		KERN COUNTY PUBLIC WORKS DEPARTMENT
Operator Type:		County
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		Yes
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

BORON SANITARY LANDFILL (Continued) **1024784273**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200206
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KERN COUNTY PUBLIC WORKS DEPARTMENT
Legal Status:	County
Date Became Current:	20180810
Date Ended Current:	Not reported
Owner/Operator Address:	2700 M STREET SUITE 450
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93301
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	COUNTY OF KERN
Legal Status:	County
Date Became Current:	20180810
Date Ended Current:	Not reported
Owner/Operator Address:	1115 TRUXTUN AVENUE
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93301
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

BORON SANITARY LANDFILL (Continued) **1024784273**

Owner/Operator Indicator: Owner
Owner/Operator Name: COUNTY OF KERN
Legal Status: County
Date Became Current: 20180810
Date Ended Current: Not reported
Owner/Operator Address: 1115 TRUXTUN AVENUE
Owner/Operator City,State,Zip: BAKERSFIELD, CA 93301
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: KERN COUNTY PUBLIC WORKS DEPARTMENT
Legal Status: County
Date Became Current: 20180810
Date Ended Current: Not reported
Owner/Operator Address: 2700 M STREET SUITE 450
Owner/Operator City,State,Zip: BAKERSFIELD, CA 93301
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180821
Handler Name: BORON SANITARY LANDFILL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200205
Handler Name: BORON SANITARY LANDFILL
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 562111
NAICS Description: SOLID WASTE COLLECTION

BORON SANITARY LANDFILL (Continued) **1024784273**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

M148 **KERN COUNTY WASTE MANAGEMENT** **EMI** **S124454787**
South **11400 BORON AVENUE** **N/A**
< 1/8 **BORON, CA 93516**
0.083 mi.
438 ft. **Site 8 of 8 in cluster M**

Actual:
2503 ft.

Focus Map:
52

EMI:

Name:	KERN COUNTY WASTE MANAGEMENT
Address:	11400 BORON AVENUE
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	27001
Air District Name:	KER
SIC Code:	4953
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	Not reported
Reactive Organic Gases Tons/Yr:	Not reported
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.35714285714
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.25

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149 **EDWARDS SUBSTATION** **NPDES** **S125342915**
East **N BASE RD & ROSAMOND AVE** **CIWQS** **N/A**
< 1/8 **EDWARDS AFB, CA 93523** **CERS**
0.085 mi.
448 ft.

Actual:
2328 ft.

Focus Map:
48

NPDES:

Name:	EDWARDS SUBSTATION
Address:	N BASE RD & ROSAMOND AVE
City,State,Zip:	EDWARDS AFB, CA 93523
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported

EDWARDS SUBSTATION (Continued) **S125342915**

WDID:	6B15C388088
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	09/17/2019
Operator Name:	Southern California Edison
Operator Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Operator City:	Rosemead
Operator State:	California
Operator Zip:	91770

Name:	EDWARDS SUBSTATION
Address:	N BASE RD & ROSAMOND AVE
City,State,Zip:	EDWARDS AFB, CA 93523
Facility Status:	Active
NPDES Number:	CAS000002
Region:	6B
Agency Number:	0
Regulatory Measure ID:	512293
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	6B15C388088
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/17/2019
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Discharge Name:	Southern California Edison
Discharge City:	Rosemead
Discharge State:	California
Discharge Zip:	91770
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CIWQS:

Name:	EDWARDS SUBSTATION
Address:	N BASE RD & ROSAMOND AVE
City,State,Zip:	EDWARDS AFB, CA 93523
Agency:	Southern California Edison
Agency Address:	2244 Walnut Grove Ave GO 1 Quad 2C, Rosemead, CA 91770
Place/Project Type:	Construction - Utility

EDWARDS SUBSTATION (Continued) **S125342915**

SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C388088
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	09/17/2019
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.984416
Longitude:	-117.890987

CERS:

Name:	EDWARDS SUBSTATION
Address:	N BASE RD & ROSAMOND AVE
City,State,Zip:	EDWARDS AFB, CA 93523
Site ID:	557200
CERS ID:	875316
CERS Description:	Construction Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Southern California Edison
Entity Title:	Operator
Affiliation Address:	2244 Walnut Grove Ave GO 1 Quad 2C
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	Not reported

N150 **HOME RESIDENTSS** **HIST UST** **U001586556**
North **13100 LAMEL** **N/A**
< 1/8 **NORTH EDWARDS, CA 93523**
0.089 mi.
471 ft. **Site 1 of 2 in cluster N**

Actual:
2292 ft.

Focus Map:
49

HIST UST:

Name:	HOME RESIDENTSS
Address:	13100 LAMEL
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	00024F89
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024F89.pdf
Region:	STATE
Facility ID:	00000008227
Facility Type:	Other
Other Type:	Not reported
Contact Name:	N/A

HOME RESIDENTSS (Continued) **U001586556**

Telephone:	6197694218
Owner Name:	ROBERT D. HANSON
Owner Address:	13100 LAMEL
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1980
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	12
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1977
Tank Capacity:	00000350
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	12
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

N151 **PRIVATE RESIDENCE** **UST** **U004113223**
North **13100 LAMEL** **N/A**
< 1/8 **NORTH EDWARDS, CA**
0.089 mi.
471 ft. **Site 2 of 2 in cluster N**

Actual:
2292 ft.

Focus Map:
49

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	13100 LAMEL
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550045
Owner Name:	HANSON, ROBERT D
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

O152 **CALTRANS - BEECHERS MAINTENANCE STATION** **EMI** **S127522612**
SSE **40400 HWY 395** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516**
0.099 mi.
524 ft. **Site 1 of 2 in cluster O**

Actual: EMI:
2489 ft.

Focus Map:
54

Name:	CALTRANS - BEECHERS MAINTENANCE STATION
Address:	40400 HWY 395
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2019
County Code:	36
Air Basin:	MD
Facility ID:	2221
Air District Name:	MOJ
SIC Code:	9621
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.05
Reactive Organic Gases Tons/Yr:	0.05
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

O153 **CALTRANS - BEECHERS CORNER** **EMI** **S118171541**
SSE **40400 STATE HWY 395** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516**
0.099 mi.
524 ft. **Site 2 of 2 in cluster O**

Actual: EMI:
2489 ft.

Focus Map:
54

Name:	CALTRANS - BEECHERS CORNER
Address:	40400 STATE HWY 395
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2013
County Code:	36
Air Basin:	MD
Facility ID:	113602221
Air District Name:	MOJ
SIC Code:	9621
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0037673
Reactive Organic Gases Tons/Yr:	0.0037673
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

154
South
< 1/8
0.111 mi.
588 ft.

EDWARDS AIR FORCE BASE - 7 - AOC 371
EDWARDS AFB, CA 93524

MCS **S110167675**
N/A

Actual:
2455 ft.

Focus Map:
51

MCS:

Name:	EDWARDS AIR FORCE BASE - 7 - AOC 371
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100133200
Latitude:	34.99006
Longitude:	-117.7004
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/06/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 143
LOC Case Number:	100052 -- 143
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100133200
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

P155
ENE
< 1/8
0.114 mi.
604 ft.

FOUR CORNERS CHEVRON
5852 HWY 58
KRAMER JUNCTION, CA 93516
Site 1 of 8 in cluster P

UST **U003976880**
N/A

Actual:
2477 ft.

Focus Map:
54

UST:

Name:	FOUR CORNERS CHEVRON
Address:	5852 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Facility ID:	FA0003323
Permitting Agency:	San Bernardino County Fire Department
Latitude:	34.9925
Longitude:	-117.5411

P156
ENE
< 1/8
0.114 mi.
604 ft.

FOUR CORNERS CHEVRON
5852 HWY 58
KRAMER JUNCTION, CA 93516
Site 2 of 8 in cluster P

FINDS **1023283275**
N/A

Actual:
2477 ft.

Focus Map:
54

FINDS:

Registry ID: 110065740595

Click Here:

Environmental Interest/Information System:
STATE MASTER

FOUR CORNERS CHEVRON (Continued) **1023283275**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

P157 **FOUR CORNERS CHEVRON** **CERS HAZ WASTE** **S123508557**
ENE **5852 HWY 58** **CERS TANKS** **N/A**
< 1/8 **KRAMER JUNCTION, CA 93516** **CERS**
0.114 mi.
604 ft. **Site 3 of 8 in cluster P**

Actual:
2477 ft.

Focus Map:
54

CERS HAZ WASTE:

Name:	FOUR CORNERS CHEVRON
Address:	5852 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Site ID:	31354
CERS ID:	10039462
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	FOUR CORNERS CHEVRON
Address:	5852 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Site ID:	31354
CERS ID:	10039462
CERS Description:	Underground Storage Tank

CERS:

Name:	FOUR CORNERS CHEVRON
Address:	5852 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Site ID:	31354
CERS ID:	10039462
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	08-22-2017
Citation:	23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 02/14/2018. OBSERVATION: THE TANK INFORMATION SUBMITTED IN CERS REQUIRES CORRECTION PRIOR TO BEING ACCEPTED INTO THE SYSTEM. 1.) THE CURRENT CERS SUBMISSION IDENTIFIES TANK INSTALL DATES OF 01/10/98. DEPARTMENT RECORDS INDICATE THAT ALL TANKS WERE INSTALLED ON 10/12/95. 2) THE EPA ID NUMBER (CAC002751253) INDENTIFIED IN CERS IS TEMPORARY AND INACTIVE NUMBER. OBTAIN A PERMANENT EPA ID NUMBER BY COMPLETING FORM 1358 AND SUBMIT TO DTSC. 3) THE LAST UST ELEMENT WAS SUBMITTED IN CERS ON 09/13/16. AN UPDATE IS REQUIRED BY MARCH 1ST ANNUALLY. SUBMIT 2017 UST ELEMENT WITHIN 30 DAYS. COMPLIANCE REQUIREMENT: WITHIN 30 DAYS, SUBMIT THE ABOVE NOTED CORRECTIONS TO CERS. UPON COMPLETION, SIGN/RETURN THE CERTIFICATE OF COMPLIANCE TO USTCOMPLIANCE@SBCFIRE.ORG TO CLEAR THE VIOLATION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS

FOUR CORNERS CHEVRON (Continued) **S123508557**

Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	09-16-2014
Citation:	HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 09/16/2014. OBSERVATION: LIQUID WAS OBSERVED IN THE 91 TURBINE SUMP. COMPLIANCE MET ON SITE: TECHNICIAN REMOVED LIQUID FROM SUMP.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	08-27-2020
Citation:	22 CCR 15 66265.51 - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.51
Violation Description:	Failure to prepare and implement a written Contingency Plan to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water.
Violation Notes:	OBSERVATION: UST WASTE FACILITY'S HAVE A CONTINGENCY PLAN FOR STORING HAZARDOUS WASTE DRUMS, FOR EVENT OF A HAZARDOUS SUBSTANCE RELEASE AND GENERATED WASTE. DURING THE INSPECTION, HAZARDOUS WASTE DRUMS WERE NOT OBSERVED ON SITE. COMPLIANCE REQUIREMENT: OBTAINED HAZARDOUS WASTE DRUMS AND STORE THEM ON AT THIS FACILITY. SIGN CERTIFICATE OF COMPLIANCE AND SUBMIT ONCE COMPLIED.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	09-16-2014
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 12/27/2014. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED UST DOCUMENTATION TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	08-27-2018
Citation:	23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure,

FOUR CORNERS CHEVRON (Continued) **S123508557**

hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).

Violation Notes: Returned to compliance on 08/27/2018. OBSERVATION: The monitoring certification was last conducted on 08/22/2017, which is 5 days overdue. CORRECTIVE ACTION: The annual monitoring certification was conducted today. The violation was corrected on-site, no further corrective action required.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-15-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes: Returned to compliance on 09/15/2015. LIQUID WAS OBSERVED IN UDC 5/6 AND IN TURBINE SUMPS. COMPLIANCE REQUIREMENT: LIQUID WAS REMOVED FROM SUMPS BY CONTRACTOR DURING INSPECTION. VIOLATION CORRECTED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-16-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 12/27/2014. OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED UST DOCUMENTATION TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 08-22-2017
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 08/22/2017. OBSERVATION: TEST BOOTS IN THE 87 AND 91 FILL SUMPS FOR THE VENT VAPOR RECOVERY LINES WERE AFFIXED TO THE SECONDARY PIPING AND NOT ALLOWING FOR OPEN COMMUNICATION. SYSTEMS THAT ARE COMPLIANT WITH SB 989 REQUIREMENTS MUST REMAIN OPEN TO ALLOW FOR DETECTION AT THE EARLIEST OPPORTUNITY. COMPLIANCE REQUIREMENT: THE TECHNICIAN REMOVED THE BOOTS DURING THE INSPECTION. VIOLATION CORRECTED. NO FURTHER ACTION REQUIRED.
Violation Division: San Bernardino County Fire Department

FOUR CORNERS CHEVRON (Continued) **S123508557**

Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 08-27-2018
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to install a line leak detector (LLD).
Violation Notes: Returned to compliance on 08/27/2018. OBSERVATION: The mechanical line leak detector for the 87 piping was not functioning properly. CORRECTIVE ACTION: Mechanical line leak detector was replaced while on-site, no further action required.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-15-2015
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 11/23/2015. CERS SUBMITTAL IS INCOMPLETE. CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR), DESIGNATED OPERATOR STATEMENT (DO), LETTER FROM CHIEF FINANCIAL OFFICER, UST RESPONSE PLAN, AND UST SITE PLAN IS NOT AVAILABLE ON CERS WEBSITE. VIOLATION WAS LISTED ON LAST YEARS INSPECTION REPORT. COMPLIANCE REQUIREMENT: IMMEDIATELY UPLOAD CERS TO INCLUDE ALL REQUIRED DOCUMENTATION WITHIN SEVEN (7) DAYS. FAILURE TO COMPLY WILL RESULT IN FURTHER ACTION INCLUDING RED TAG. 4/15/16 CERS UPDATED PS
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-16-2014
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 12/27/2014. OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED UST DOCUMENTATION TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 08-14-2019
Citation: 23 CCR 16 2715(a)(1)(B) - California Code of Regulations, Title 23,

FOUR CORNERS CHEVRON (Continued) **S123508557**

	Chapter 16, Section(s) 2715(a)(1)(B)
Violation Description:	Failure to submit the G Designated Underground Storage Tank Operator Identification FormG within 30 days of installing a UST system or within 30 days of a change in DO.
Violation Notes:	Returned to compliance on 10/29/2019. OBSERVATION: THE DESIGNATED OPERATOR (DO) IDENTIFICATION FORM IS NO VALID. AS OF OCT 2018, DO IDENTIFICATION FORMS AND A STATEMENT OF UNDERSTANDING & COMPLIANCE FORM MUST BE SUBMITTED TO THE DESIGNATED OPERATOR SECTION OF CERS. COMPLIANCE REQUIREMENT: UPDATE UST INFORMATION, WITH CURRENT FORMS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	09-15-2015
Citation:	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Violation Description:	Haz Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/15/2015. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) OBSERVED NO LABELED HAZARDOUS WASTE CONTAINERS FOR UST TESTING. 5/2/16 NO COMPLIANCE RECD. WILL ISSUE OVL. PS 5/10/16 VIOLATION CORRECTED OBSERVED DURING INSPECTION. PSAAVEDRA COMPLIANCE REQUIREMENT: SUBMIT A STATEMENT INDICATING FACILITY WILL PROVIDE AND MAINTAIN LABELED HAZARDOUS WASTE CONTAINERS FOR HAZARDOUS WASTE STORAGE WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	08-14-2019
Citation:	HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Description:	Failure to construct, operate, and maintain primary containment as product-tight.
Violation Notes:	Returned to compliance on 10/29/2019. OBSERVATION: DIESEL FUEL WAS OBSERVED IN UDC 5/6.NO VISIBLE LEAKAGE WAS OBSERVED. COMPLIANCE REQUIREMENT: SUBMIT A COPY OF THE WORK ORDER DOCUMENTING THE TIGHTNESS OF THE DIESEL PRIMARY PIPING IN UDC 5/6. CONTACT OFFICE IF REPAIR REQUIRES A PERMIT.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	09-13-2016
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC)

FOUR CORNERS CHEVRON (Continued) **S123508557**

and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.

Violation Notes: Returned to compliance on 12/16/2016. COMPLIANCE ACTIVITY 12/16/2016- MADE A SITE VISIT AND KAREN PROVIDED A SIGNED DOCUMENT ADDRESSING THE VIOLATION. SHE INFORMED ME THAT THEY HAD REMOVED THE 2015 REPORTS, DUE TO CHANGING OUT FOLDER EVERY YEAR AND THINKING THAT THE REPORTS FROM 2015 WERE NO LONGER NEEDED. SHE WAS INFORMED TO KEEP THE PREVIOUS YEARS REPORTS AVAILABLE FOR REVIEW. EGRIMES. OBSERVATIONS: THE DESIGNATED OPERATOR REPORTS FROM 2015 WERE NOT IN THE UST BINDER FOR REVIEW. COMPLIANCE REQUIREMENT: LOCATE THE REPORTS AND MAIL A COPY OF THEM TO OUR DEPARTMENT. PLEASE ENSURE IT IS MARKED ATTENTION EMILY GRIMES.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 08-27-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 09/21/2018. OBSERVATION: The information submitted via CERS is incorrect. CORRECTIVE ACTION: In CERS, please update the following tank information within 30 days: For your tank pages, please update all panel model numbers to TLS-350, not TLS-350 Plus. For your site monitoring plan, please add piping layout.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-15-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 11/23/2015. CERS SUBMITTAL IS INCOMPLETE. CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR), DESIGNATED OPERATOR STATEMENT (DO), LETTER FROM CHIEF FINANCIAL OFFICER, UST RESPONSE PLAN, AND UST SITE PLAN IS NOT AVAILABLE ON CERS WEBSITE. VIOLATION WAS LISTED ON LAST YEARS INSPECTION REPORT. COMPLIANCE REQUIREMENT: IMMEDIATELY UPLOAD CERS TO INCLUDE ALL REQUIRED DOCUMENTATION WITHIN SEVEN (7) DAYS. FAILURE TO COMPLY WILL RESULT IN FURTHER ACTION INCLUDING RED TAG. 4/15/16 CERS UPDATED PS
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-15-2015

FOUR CORNERS CHEVRON (Continued) **S123508557**

Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes: Returned to compliance on 09/15/2015. SENSORS IN 87 AND 91 STP'S WERE NOT FUNCTIONING PROPERLY WHEN TESTED. COMPLIANCE REQUIREMENT: SENSORS WERE CLEANED AND RETESTED. VIOLATION CORRECTED DURING INSPECTION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 08-27-2020
Citation: 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description: Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.
Violation Notes: OBSERVATION: FACILITY EPA ID NUMBER " CAC002751253 " IS A TEMP NUMBER, USED FOR SITES THAT DO NOT ROUTINE GENERATE WASTE. SITE IS A ROUTINE WASTE GENERATOR SITE. A PERM NUMBER "" START WITH " CAL" NOT CAC SHOULD BE OBTAINED. COMPLIANCE REQUIREMENT: OBTAIN A PERM EPA ID NUMBER. A PDF APPLICATION IS ENCLOSED.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-15-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 09/13/2016. LAST UST TRAINING FOR EMPLOYEES WAS ON 2/10/14 AND IS PAST DUE. COMPLIANCE REQUIREMENT: SUBMIT A COPY OF EMPLOYEE TRAINING WITHIN 30 DAYS ALONG WITH SIGNED CERTIFICATE OF COMPLIANCE. 5/2/16 NO COMPLIANCE RECD. WILL ISSUE OVL. PS COMPLIANCE ACTIVITY- DURING INSPECTION OBSERVED THAT EMPLOYEES HAVE BEEN CURRENT ON TRAINING. EGRIMES.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON

FOUR CORNERS CHEVRON (Continued) **S123508557**

Violation Date:	09-15-2015
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Haz Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 04/15/2016. Failure to obtain an EPA ID Number (CCR 66262.12(a)) NO EPA ID NUMBER LISTED ON CERS. 4/15/16 EMERGENCY CAC NUMBER LISTED ON CERS. CHECK FOR PERMANENT EPA ID NUMBER NEXT INSPECTION.PS COMPLIANCE REQUIREMENT: UPDATE CERS TO REFLECT CURRENT EPA ID NUMBER. SUBMIT SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	09-15-2015
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 11/23/2015. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) CERS SUBMITTAL IS INCOMPLETE. CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR), DESIGNATED OPERATOR STATEMENT (DO), LETTER FROM CHIEF FINANCIAL OFFICER, UST RESPONSE PLAN, AND UST SITE PLAN IS NOT AVAILABLE ON CERS WEBSITE. VIOLATION WAS LISTED ON LAST YEARS INSPECTION REPORT. COMPLIANCE REQUIREMENT: IMMEDIATELY UPLOAD CERS TO INCLUDE ALL REQUIRED DOCUMENTATION WITHIN SEVEN (7) DAYS. FAILURE TO COMPLY WILL RESULT IN FURTHER ACTION INCLUDING RED TAG. 4/15/16 CERS UPDATED PS
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	09-13-2016
Citation:	HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description:	UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes:	Returned to compliance on 09/13/2016. Failure to have a written monitoring program with monitoring procedures and response plan (CHSC 25286(a)) OBSERVATIONS: THE GENERAL PIPING LAYOUT FOR THE UST MONITORING SITE PLAN IS MISSING ON THE DIAGRAM. COMPLIANCE REQUIREMENT: UPDATE THE SITE PLAN WITH THE ESTIMATED PIPING LAYOUT AND SUBMIT IN CERS. NOTIFY THE INSPECTOR AT EGRIMES@SBCFIRE.ORG.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	31354
Site Name:	FOUR CORNERS CHEVRON
Violation Date:	08-22-2017
Citation:	23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description:	Failure to comply with one or more of the following designated

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operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.

Violation Notes: Returned to compliance on 11/22/2017. OBSERVATION: THE LAST EMPLOYEE TRAINING WAS CONDUCTED ON 05/24/16 AND IS NOW OVERDUE. EMPLOYEE TRAINING MUST BE CONDUCTED ANNUALY. COMPLIANCE REQUIREMENT: PROVIDE EMPLOYEE TRAINING WITHIN 30 DAYS AND SUBMIT A COPY OF THE RECORD SHEET VERIFYING COMPLIANCE WITH THIS REQUIREMENT. UPON COMPLETION, SIGN/RETURN THE CERTIFICATE OF COMPLIANCE TO USTCOMPLIANCE@SBCFIRE.ORG TO CLEAR THE VIOLATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-15-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 04/15/2016. Failure to correct past UST violations within 30 days of receiving a UST inspection report (23CCR 2712(f)) CERS SUBMITTAL IS INCOMPLETE. CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR), DESIGNATED OPERATOR STATEMENT (DO), LETTER FROM CHIEF FINANCIAL OFFICER, UST RESPONSE PLAN, AND UST SITE PLAN IS NOT AVAILABLE ON CERS WEBSITE. VIOLATION WAS LISTED ON LAST YEARS INSPECTION REPORT. COMPLIANCE REQUIREMENT: IMMEDIATELY UPLOAD CERS TO INCLUDE ALL REQUIRED DOCUMENTATION WITHIN SEVEN (7) DAYS. FAILURE TO COMPLY WILL RESULT IN FURTHER ACTION INCLUDING RED TAG. 4/15/16 CERS VIOLATIONS CORRECTED.PS
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Violation Date: 09-16-2014
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 12/27/2014. Failure to have a written monitoring program with monitoring procedures and response plan. (CCR 2632(d)) OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED UST DOCUMENTATION TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

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Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	08-14-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST OVERFILL INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-15-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ANNUAL MONITORING CERTIFCATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	08-14-2019
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST SECONDARY CONTAINMENT
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-13-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Paper Audit
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-22-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-27-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-27-2020

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Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST WASTE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-15-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	WASTE INCIDENTAL TO UST ONLY INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-17-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST HANDLER INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-14-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-27-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST INSPECTION- BORON CHEVRON
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-27-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST WASTE INSPECTION- BORON- CHEVRON

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Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-15-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HAZARDOUS MATERIALS HANDLER UST ONLY INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CHEVRON 4-CORNERS-UST MONITORING CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CHEVRON 4-CORNER- UST MONITORING CERTIFICATION AND COLD START
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST MONITORING CERTIFIICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Enforcement Action:
Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Site Address: 5852 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-13-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Site Address: 5852 HWY 58

FOUR CORNERS CHEVRON (Continued) **S123508557**

Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Site Address: 5852 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 31354
Site Name: FOUR CORNERS CHEVRON
Site Address: 5852 HWY 58
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Legal Owner
Entity Name: CAILLIER, KAREN D.
Entity Title: Not reported
Affiliation Address: 25831 CHERRY HILL DR
Affiliation City: BORON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93516
Affiliation Phone: (760) 762-6692

FOUR CORNERS CHEVRON (Continued) **S123508557**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Four Corners
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	KAREN CAILLIER
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	Karen Caillier
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 762-6692

Affiliation Type Desc:	UST Tank Owner
Entity Name:	KAREN CAILLIER
Entity Title:	Not reported
Affiliation Address:	25831 Cherry Hill
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 373-0182

Affiliation Type Desc:	Environmental Contact
Entity Name:	KAREN CAILLIER
Entity Title:	Not reported
Affiliation Address:	25831 CHERRYHILL DR
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Karen Caillier
Entity Title:	Not reported
Affiliation Address:	25831 Cherry Hill
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States

FOUR CORNERS CHEVRON (Continued) **S123508557**

Affiliation Zip:	93516
Affiliation Phone:	(760) 373-0182
Affiliation Type Desc:	Document Preparer
Entity Name:	Karen Caillier
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	5852 HWY 58
Affiliation City:	KRAMER JUNCTION
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	KAREN CAILLIER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 373-0182
Affiliation Type Desc:	Property Owner
Entity Name:	Karen Caillier
Entity Title:	Not reported
Affiliation Address:	25831 Cherry Hill
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 373-0182
Affiliation Type Desc:	UST Tank Operator
Entity Name:	Karen Caillier
Entity Title:	Not reported
Affiliation Address:	25831 Cherry Hill
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 373-0182

P158 **FOUR CORNERS CHEVRON** **RGA LUST** **S114623754**
ENE **5852 HWY 58** **N/A**
< 1/8 **KRAMER JUNCTION, CA**
0.114 mi.
604 ft. **Site 4 of 8 in cluster P**

Actual: **2477 ft.**

Focus Map: **54**

RGA LUST:

Name:	FOUR CORNERS CHEVRON		
Address:	5852 HWY 58		
City:	KRAMER JUNCTION		
State:	KRAMER JUNCTION		
	2008	FOUR CORNERS CHEVRON	5852 HWY 58
Name:	FOUR CORNERS CHEVRON		
Address:	5852 HWY 58		
City:	KRAMER JUNCTION		
State:	KRAMER JUNCTION		
	2007	FOUR CORNERS CHEVRON	5852 HWY 58
Name:	FOUR CORNERS CHEVRON		
Address:	5852 HWY 58		
City:	KRAMER JUNCTION		
State:	KRAMER JUNCTION		
	2006	FOUR CORNERS CHEVRON	5852 HWY 58
Name:	FOUR CORNERS CHEVRON		
Address:	5852 HWY 58		
City:	KRAMER JUNCTION		
State:	KRAMER JUNCTION		
	2005	FOUR CORNERS CHEVRON	5852 HWY 58
Name:	FOUR CORNERS CHEVRON		
Address:	5852 HWY 58		
City:	KRAMER JUNCTION		
State:	KRAMER JUNCTION		
	2003	FOUR CORNERS CHEVRON	5852 HWY 58
Name:	FOUR CORNERS CHEVRON		
Address:	5852 HWY 58		
City:	KRAMER JUNCTION		
State:	KRAMER JUNCTION		
	2002	FOUR CORNERS CHEVRON	5852 HWY 58
Name:	FOUR CORNERS CHEVRON		
Address:	5852 HWY 58		
City:	KRAMER JUNCTION		
State:	KRAMER JUNCTION		
	2000	FOUR CORNERS CHEVRON	5852 HWY 58

Q159 **OFF BASE ADJACENT AREA 2 (EAST & WEST)** **UXO** **1024715754**
South **N/A**
< 1/8 **EDWARDS AFB, CA**
0.114 mi.
604 ft. **Site 1 of 2 in cluster Q**

Actual: **2500 ft.**

Focus Map: **52**

UXO:

DoD Component:	Air Force
Installation Name:	EDWARDS AIR FORCE BASE
Name:	OFF BASE ADJACENT AREA 2 (EAST & WEST)
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA
Site ID:	AL5052A
Site Type:	Air to Land
Latitude:	34.990000
Longitude:	-117.660000

Q160 **OFF BASE ADJACENT AREA 2 (CENTRAL)** **UXO** **1024715750**
South **N/A**
< 1/8 **EDWARDS AFB, CA**
0.114 mi.
604 ft. **Site 2 of 2 in cluster Q**

Actual:
2500 ft.

Focus Map:
52

UXO:

DoD Component:	Air Force
Installation Name:	EDWARDS AIR FORCE BASE
Name:	OFF BASE ADJACENT AREA 2 (CENTRAL)
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA
Site ID:	AL505-2
Site Type:	Air to Land
Latitude:	34.990000
Longitude:	-117.660000

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161 **MUROC USD - FORBES AVE SCHOOL** **HAZNET** **S112882464**
North **17100 FOOTHILL DR** **HWTS** **N/A**
< 1/8 **NORTH EDWARDS, CA 93523**
0.124 mi.
653 ft.

Actual:
2297 ft.

Focus Map:
49

HAZNET:

Name:	MUROC USD - FORBES AVE SCHOOL
Address:	17100 FOOTHILL DR
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 935230000
Contact:	JIM BOGHOSIAN - DIR M & O
Telephone:	7607694883
Mailing Name:	Not reported
Mailing Address:	17100 FOOTHILL DR
Year:	1999
Gepaid:	CAC001323712
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	-
Tons:	2.5284

Additional Info:

Year:	1999
Gen EPA ID:	CAC001323712
Shipment Date:	19990107
Creation Date:	2/15/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99551621
Trans EPA ID:	CAD981164445
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste

MUROC USD - FORBES AVE SCHOOL (Continued) **S112882464**

RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	2.5284
Waste Quantity:	3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MUROC USD - FORBES AVE SCHOOL
Address:	17100 FOOTHILL DR
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 935230000
EPA ID:	CAC001323712
Inactive Date:	10/25/2000
Create Date:	01/05/2000
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	17100 FOOTHILL DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NORTH EDWARDS, CA 935230000
Owner Name:	MUROC USD
Owner Address:	17100 FOOTHILL DR
Owner Address 2:	Not reported
Owner City,State,Zip:	NORTH EDWARDS, CA 935230000
Contact Name:	JIM BOGHOSIAN - DIR M & O
Contact Address:	17100 FOOTHILL DR
Contact Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 935230000

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162 **CALTRANS #113** **MINES MRDS** **1025757093**
East **N/A**
1/8-1/4 **EDWARDS, CA 93523**
0.126 mi.
663 ft.

Actual:
2381 ft.

Focus Map:
39

MINES MRDS:

Name:	CALTRANS #113
Address:	Not reported
Deposit identification Number:	10285098
City,State,Zip:	EDWARDS, CALIFORNIA 93523
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10285098
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060290064
Region:	NA
Country:	United States
Primary Commodities:	Sand and Gravel, Construction
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Unknown
Ore Minerals or Materials:	Not reported

CALTRANS #113 (Continued) **1025757093**

Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Western Field Operations Center (WFOC)
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.0261
Longitude:	-117.879

R163 **MUROC JOINT UNIFIED SD** **HIST FTTS** **1008185515**
North **FOOTHILL & GRANADA ST** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.130 mi.
684 ft. **Site 1 of 5 in cluster R**

Actual:
2297 ft.

Focus Map:
49

HIST FTTS INSP:

Inspection Number:	1989011801128 1
Region:	09
Inspection Date:	Not reported
Inspector:	PETERSON
Violation occurred:	Yes
Investigation Type:	AHERA, Enforcement, Federal Conducted
Investigation Reason:	For Cause, Private Citizen/Press Complaint
Legislation Code:	TSCA
Facility Function:	User

R164 **MUROC JOINT UNIFIED SD** **FTTS** **1010007361**
North **FOOTHILL & GRANADA ST** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.130 mi.
684 ft. **Site 2 of 5 in cluster R**

Actual:
2297 ft.

Focus Map:
49

FTTS INSP:

Inspection Number:	1989011801128 1
Region:	09
Inspection Date:	01/18/89

MUROC JOINT UNIFIED SD (Continued) **1010007361**

Inspector:	PETERSON
Violation occurred:	Yes
Investigation Type:	AHERA, Enforcement, Federal Conducted
Investigation Reason:	For Cause, Private Citizen/Press Complaint
Legislation Code:	TSCA
Facility Function:	User

P165 **EXPRESS TRUCK TIRES** **HWTS** **S124891196**
ENE **5875 HIGHWAY 58** **N/A**
1/8-1/4 **BORON, CA 93516**
0.136 mi.
718 ft. **Site 5 of 8 in cluster P**

Actual:
2477 ft.

Focus Map:
54

HWTS:

Name:	EXPRESS TRUCK TIRES
Address:	5875 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000375139
Inactive Date:	06/30/2012
Create Date:	06/07/2012
Last Act Date:	04/02/2013
Mailing Name:	Not reported
Mailing Address:	5875 HIGHWAY 58
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	KHALED HUSSEIN
Owner Address:	729 GOLDEN POPPY CT
Owner Address 2:	Not reported
Owner City,State,Zip:	SHAFTER, CA 93263
Contact Name:	KHALED HUSSEIN
Contact Address:	5875 HIGHWAY 58
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

NAICS:

EPA ID:	CAL000375139
Create Date:	2012-06-07 10:34:51.237
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2012-06-07 10:34:51.20300
Inactive Date:	2012-06-30 00:00:00
Facility Name:	EXPRESS TRUCK TIRES
Facility Address:	5875 HIGHWAY 58
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

P166 **EXPRESS TIRES** **HWTS** **S127124695**
ENE **5875 HIGHWAY 58** **N/A**
1/8-1/4 **BORON, CA 93516**
0.136 mi.
718 ft. **Site 6 of 8 in cluster P**

Actual:
2477 ft.

Focus Map:
54

HWTS:

Name:	EXPRESS TIRES
Address:	5875 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000459337
Inactive Date:	Not reported
Create Date:	01/11/2021
Last Act Date:	01/11/2021
Mailing Name:	Not reported
Mailing Address:	5875 HIGHWAY 58
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	DIEGO CORTEZ
Owner Address:	4166 MESCALE RD
Owner Address 2:	Not reported
Owner City,State,Zip:	RIVERSIDE, CA 92504
Contact Name:	DIEGO CORTEZ
Contact Address:	4166 MESCALE RD
Contact Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92504

NAICS:

EPA ID:	CAL000459337
Create Date:	2021-01-11 16:51:11.100
NAICS Code:	811198
NAICS Description:	All Other Automotive Repair and Maintenance
Issued EPA ID Date:	2021-01-11 16:51:11.09300
Inactive Date:	Not reported
Facility Name:	EXPRESS TIRES
Facility Address:	5875 HIGHWAY 58
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

P167 **EXPRESS TIRES** **ECHO** **1026748466**
ENE **5875 HIGHWAY 58** **N/A**
1/8-1/4 **BORON, CA 93516**
0.136 mi.
718 ft. **Site 7 of 8 in cluster P**

Actual:
2477 ft.

Focus Map:
54

ECHO:

Envid:	1026748466
Registry ID:	Not reported
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=CAL000459337
Name:	EXPRESS TIRES
Address:	5875 HIGHWAY 58
City,State,Zip:	BORON, CA 93516

P168 **EXPRESS TIRES** **RCRA NonGen / NLR** **1026722277**
ENE **5875 HIGHWAY 58** **CAL000459337**
1/8-1/4 **BORON, CA 93516**
0.136 mi.
718 ft. **Site 8 of 8 in cluster P**

Actual:
2477 ft.

Focus Map:
54

RCRA NonGen / NLR:

Date Form Received by Agency:		20210111
Handler Name:	EXPRESS TIRES	
Handler Address:		5875 HIGHWAY 58
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAL000459337
Contact Name:		DIEGO CORTEZ
Contact Address:		4166 MESCALE RD
Contact City,State,Zip:		RIVERSIDE, CA 92504
Contact Telephone:		714-277-2787
Contact Fax:		714-599-9872
Contact Email:		DIEGOCORTEZ1968@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		5875 HIGHWAY 58
Mailing City,State,Zip:		BORON, CA 93516
Owner Name:		DIEGO CORTEZ
Owner Type:		Other
Operator Name:		DIEGO CORTEZ
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

EXPRESS TIRES (Continued) **1026722277**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210226
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DIEGO CORTEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4166 MESCALE RD
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92504
Owner/Operator Telephone:	714-277-2787
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	DIEGO CORTEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4166 MESCALE RD
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92504
Owner/Operator Telephone:	714-277-2787
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

EXPRESS TIRES (Continued) **1026722277**

Historic Generators:
Receive Date: 20210111
Handler Name: EXPRESS TIRES
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 811198
NAICS Description: ALL OTHER AUTOMOTIVE REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

R169 **FRONTIER CALIFORNIA** **CUPA Listings** **S124455195**
North **13150 GRANADA STREET** **EMI** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.140 mi.
738 ft. **Site 3 of 5 in cluster R**

Actual:
2297 ft.

Focus Map:
49

KERN CO CUPA:
Facility ID: FA0001380
CERS ID: 10141607
Name: FRONTIER CALIFORNIA: NORTH EDWARDS CO
Address: 13150 GRANADA ST
Address 2: Not reported
City,State,Zip: NORTH EDWARDS, CA
Billing Status: Active, billable
Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code: CB1T
HMIRRP Due Date: 3/31/2013
Current Inspection Date: 4/1/2023
Employee: CUPA 3
Mailing Address: 280 S. Locust Street
Mailing Address 2: Not reported
Mailing City: Pomona
Mailing State: CA
Mailing Zip: 91766

EMI:
Name: FRONTIER CALIFORNIA
Address: 13150 GRANADA STREET
City,State,Zip: NORTH EDWARDS, CA 93523
Year: 2017

FRONTIER CALIFORNIA (Continued) **S124455195**

County Code:	15
Air Basin:	MD
Facility ID:	494002
Air District Name:	KER
SIC Code:	4812
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.03104189044
Reactive Organic Gases Tons/Yr:	0.00289
Carbon Monoxide Emissions Tons/Yr:	0.07484
NOX - Oxides of Nitrogen Tons/Yr:	0.00795
SOX - Oxides of Sulphur Tons/Yr:	7e-005
Particulate Matter Tons/Yr:	4.0241448692e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	4e-005

R170 **FRONTIER CALIFORNIA** **FINDS** **1025450646**
North **13150 GRANADA STREET** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.140 mi.
738 ft. **Site 4 of 5 in cluster R**

Actual:
2297 ft.

FINDS:
Registry ID: 110070521186

Focus Map:
49

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

R171 **VERIZON CALIFORNIA: NORTH EDWARDS CO** **FINDS** **1023354980**
North **13150 GRANADA ST** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.140 mi.
738 ft. **Site 5 of 5 in cluster R**

Actual:
2297 ft.

FINDS:
Registry ID: 110066516728

Focus Map:
49

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

172
North
1/8-1/4
0.147 mi.
774 ft.

CEDAR LANDMARK INC - 5121 HWY 58
BORON, CA 93156

CHMIRS **S119000635**
N/A

Actual:
2489 ft.

Focus Map:
54

CHMIRS:

Name:	Not reported
Address:	CEDAR LANDMARK INC - 5121 HWY 58
City,State,Zip:	BORON, CA 93156
OES Incident Number:	16-5564
OES notification:	09/12/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	N/A
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM,VAPOR
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1000
Year:	2016
Agency:	Ramtox
Incident Date:	07/14/2016
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	N/A

(Continued) **S119000635**

E Date:	Not reported
Substance:	Unleaded Fuel Vapor
Quantity Released:	5
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	* * * HISTORICAL REPORT * * * RP States; Testing was being done at Gas Station, the drill went too deep and fractured the underground storage tank. The release was not in liquid gasoline, but in vapor. The release is no longer occurring, but the vapor i

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S173 **VERIZON WIRELESS BORON** **FINDS** **1023296841**
ENE **12088 BORAX ROAD** **N/A**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 1 of 2 in cluster S**

Actual:
2395 ft.

FINDS:
Registry ID: 110065886571

Focus Map:
51

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

S174 **VERIZON WIRELESS BORON** **CUPA Listings** **S123503190**
ENE **12088 BORAX ROAD** **CERS** **N/A**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 2 of 2 in cluster S**

Actual:
2395 ft.

KERN CO CUPA:

Facility ID:	FA0029199
CERS ID:	10142545
Name:	VERIZON WIRELESS BORON
Address:	12088 BORAX ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT

Focus Map:
51

VERIZON WIRELESS BORON (Continued) **S123503190**

Program Element Code: CB1T
HMIRRP Due Date: 10/31/2013
Current Inspection Date: 9/1/2023
Employee: CUPA 3
Mailing Address: 295 Parkshore Drive
Mailing Address 2: Not reported
Mailing City: Folsom
Mailing State: CA
Mailing Zip: 95630

CERS:
Name: VERIZON WIRELESS BORON
Address: 12088 BORAX ROAD
City,State,Zip: BORON, CA 93516
Site ID: 166723
CERS ID: 10142545
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-13-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-08-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: Verizon Wireless
Entity Title: Not reported
Affiliation Address: 295 Parkshore Drive
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 95630
Affiliation Phone: (866) 694-2415

VERIZON WIRELESS BORON (Continued) **S123503190**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Verizon Wireless [Northern California]
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Document Preparer
Entity Name:	Steve Skanderson
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Environmental Compliance
Entity Title:	Not reported
Affiliation Address:	295 Parkshore Drive
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	295 Parkshore Drive
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	armand delgado
Entity Title:	environmental compliance mgr
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

VERIZON WIRELESS BORON (Continued) **S123503190**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Verizon Wireless
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(866) 694-2415

T175 **KASSMA INC DBA ARCO AM PM FOUR CORNERS** **HWTS** **S124882205**
North **5121 E STATE HIGHWAY 58** **N/A**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 1 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

HWTS:

Name:	KASSMA INC DBA ARCO AM PM FOUR CORNERS
Address:	5121 E STATE HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162128
EPA ID:	CAL000354987
Inactive Date:	06/30/2015
Create Date:	07/22/2010
Last Act Date:	01/27/2016
Mailing Name:	Not reported
Mailing Address:	5121 E STATE HIGHWAY 58
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935162128
Owner Name:	KASSMA INC
Owner Address:	5121 E STATE HIGHWAY 58
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935162128
Contact Name:	MARK CRABTREE
Contact Address:	5121 E STATE HIGHWAY 58
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935162128

NAICS:

EPA ID:	CAL000354987
Create Date:	2010-07-22 08:50:53.370
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2010-07-22 08:50:53.30700
Inactive Date:	2015-06-30 00:00:00
Facility Name:	KASSMA INC DBA ARCO AM PM FOUR CORNERS
Facility Address:	5121 E STATE HIGHWAY 58
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935162128

T176 **FOUR CORNER ARCO AM PM** **EDR Hist Auto** **1020191534**
North **5121 HGWY 58** **N/A**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 2 of 16 in cluster T**

Actual: EDR Hist Auto
2490 ft.

Focus Map: Year: Name: Type:
54 1999 B R J INC Convenience Stores
2000 B R J INC Convenience Stores
2001 B R J INC Convenience Stores
2005 FOUR CORNER ARCO AM PM Gasoline Service Stations
2006 FOUR CORNER ARCO AM PM Gasoline Service Stations

T177 **ATHANOR ENVIRONMENTAL SERVICES, INC.** **HAZNET** **S123054680**
North **5121 HIGHWAY 58** **HWTS** **N/A**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 3 of 16 in cluster T**

Actual: HAZNET:
2490 ft.
Name: ATHANOR ENVIRONMENTAL SERVICES, INC.
Focus Map: Address: 5121 HIGHWAY 58
54 Address 2: Not reported
City,State,Zip: BORON, CA 93516
Contact: GEORGE A. JOHNSON
Telephone: 8182495116
Mailing Name: Not reported
Mailing Address: 3940 MAYFIELD AVENUE

Year: 2017
Gepaid: CAC002906080
TSD EPA ID: CAT080013352
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.693

Additional Info:
Year: 2017
Gen EPA ID: CAC002906080

Shipment Date: 20170426
Creation Date: 5/9/2018 18:32:44
Receipt Date: 20170426
Manifest ID: 015245340JJK
Trans EPA ID: CAR000148338
Trans Name: AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: DEMENNO KERDOON
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D018

ATHANOR ENVIRONMENTAL SERVICES, INC. (Continued) **S123054680**

Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ATHANOR ENVIRONMENTAL SERVICES, INC.
Address:	5121 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002906080
Inactive Date:	08/04/2017
Create Date:	04/14/2017
Last Act Date:	08/04/2017
Mailing Name:	Not reported
Mailing Address:	3940 MAYFIELD AVENUE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LA CRESCENTA, CA 91214
Owner Name:	ATHANOR ENVIRONMENTAL SERVICES, INC
Owner Address:	3940 MAYFIELD AVENUE
Owner Address 2:	Not reported
Owner City,State,Zip:	LA CRESCENTA, CA 91214
Contact Name:	GEORGE A. JOHNSON
Contact Address:	3940 MAYFIELD AVENUE
Contact Address 2:	Not reported
City,State,Zip:	LA CRESCENTA, CA 91214

T178 **FOUR CORNERS ARCO AM/PM** **UST** **U003976950**
North **5121 HWY 58** **N/A**
1/8-1/4 **KRAMER JUNCTION, CA 93516**
0.149 mi.
788 ft. **Site 4 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

UST:

Name:	FOUR CORNERS ARCO AM/PM
Address:	5121 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Facility ID:	97044755
Permitting Agency:	KERN COUNTY
Latitude:	34.9915936007199
Longitude:	-117.537108586053

T179 **CEDAR LANDMARK INC ARCO/AMPM** **RCRA NonGen / NLR** **1024853708**
North **5121 E STATE HIGHWAY 58** **CAL000413787**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 5 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

RCRA NonGen / NLR:

Date Form Received by Agency:	20160121
Handler Name:	CEDAR LANDMARK INC ARCO/AMPM
Handler Address:	5121 E STATE HIGHWAY 58
Handler City,State,Zip:	BORON, CA 93516-2128
EPA ID:	CAL000413787
Contact Name:	MOE UDDIN
Contact Address:	4300 EDISON AVE
Contact City,State,Zip:	CHICO, CA 91710
Contact Telephone:	909-753-3141
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4300 EDISON AVE
Mailing City,State,Zip:	CHICO, CA 91710
Owner Name:	MARK SATER/NORTHRIDGE HOSPITAL
Owner Type:	Other
Operator Name:	MOE UDDIN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

CEDAR LANDMARK INC ARCO/AMPM (Continued) **1024853708**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181220
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	MARK SATER/NORTHRIDGE HOSPITAL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4300 EDISON AVE
Owner/Operator City,State,Zip:	CHINO, CA 91710
Owner/Operator Telephone:	909-465-4101
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MOE UDDIN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4300 EDISON AVE
Owner/Operator City,State,Zip:	CHICO, CA 91710
Owner/Operator Telephone:	909-753-3141
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CEDAR LANDMARK INC ARCO/AMPM (Continued) **1024853708**

Historic Generators:
Receive Date: 20160121
Handler Name: CEDAR LANDMARK INC ARCO/AMPM
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: Not reported
Recognized Trader Exporter: Not reported
Spent Lead Acid Battery Importer: Not reported
Spent Lead Acid Battery Exporter: Not reported
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

T180 **CEDAR LANDMARK INC ARCO/AMPM** **HAZNET** **S124908305**
North **5121 E STATE HIGHWAY 58** **HWTS** **N/A**
1/8-1/4 **BORON, CA 91710**
0.149 mi.
788 ft. **Site 6 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

HAZNET:
Name: CEDAR LANDMARK INC ARCO/AMPM
Address: 5121 E STATE HIGHWAY 58
Address 2: Not reported
City,State,Zip: BORON, CA 91710
Contact: MOE UDDIN
Telephone: 9094654101
Mailing Name: Not reported
Mailing Address: 4300 EDISON AVE

Year: 2018
Gepaid: CAL000413787
TSD EPA ID: CAD044429835
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.03750

HWTS:
Name: CEDAR LANDMARK INC ARCO/AMPM
Address: 5121 E STATE HIGHWAY 58
Address 2: Not reported
City,State,Zip: BORON, CA 935162128

CEDAR LANDMARK INC ARCO/AMPM (Continued) **S124908305**

EPA ID: CAL000413787
Inactive Date: Not reported
Create Date: 01/21/2016
Last Act Date: 10/10/2020
Mailing Name: Not reported
Mailing Address: 4300 EDISON AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: CHICO, CA 91710
Owner Name: MARK SATER/NORTHRIDGE HOSPITAL
Owner Address: 4300 EDISON AVE
Owner Address 2: Not reported
Owner City,State,Zip: CHINO, CA 91710
Contact Name: MOE UDDIN
Contact Address: 4300 EDISON AVE
Contact Address 2: Not reported
City,State,Zip: CHINO, CA 91710

NAICS:
EPA ID: CAL000413787
Create Date: 2016-01-21 13:22:31.703
NAICS Code: 44719
NAICS Description: Other Gasoline Stations
Issued EPA ID Date: 2016-01-21 13:22:31.67700
Inactive Date: Not reported
Facility Name: CEDAR LANDMARK INC ARCO/AMPM
Facility Address: 5121 E STATE HIGHWAY 58
Facility Address 2: Not reported
Facility City: BORON
Facility County: Not reported
Facility State: CA
Facility Zip: 935162128

T181 **CEDAR LANDMARK INC** **HWTS** **S124908560**
North **5121 HWY 58** **N/A**
1/8-1/4 **KRAMER CORNER, CA 93516**
0.149 mi.
788 ft. **Site 7 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

HWTS:
Name: CEDAR LANDMARK INC
Address: 5121 HWY 58
Address 2: Not reported
City,State,Zip: KRAMER CORNER, CA 93516
EPA ID: CAL000414249
Inactive Date: 06/30/2017
Create Date: 02/10/2016
Last Act Date: 10/19/2016
Mailing Name: Not reported
Mailing Address: 4300 EDISON AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: CHINO, CA 91710
Owner Name: CEDAR LANDMARK INC
Owner Address: 4300 EDISON AVE
Owner Address 2: Not reported
Owner City,State,Zip: CHINO, CA 91710
Contact Name: MOE UDDIN
Contact Address: 4300 EDISON AVE

CEDAR LANDMARK INC (Continued) **S124908560**

Contact Address 2: Not reported
City,State,Zip: CHINO, CA 91710

NAICS:
EPA ID: CAL000414249
Create Date: 2016-02-10 14:38:04.507
NAICS Code: 44719
NAICS Description: Other Gasoline Stations
Issued EPA ID Date: 2016-02-10 14:38:04.49700
Inactive Date: 2017-06-30 00:00:00
Facility Name: CEDAR LANDMARK INC
Facility Address: 5121 HWY 58
Facility Address 2: Not reported
Facility City: KRAMER CORNER
Facility County: Not reported
Facility State: CA
Facility Zip: 93516

T182 **CEDAR LANDMARK INC ARCO/AMPM** **FINDS** **1024722597**
North **5121 E STATE HIGHWAY 58** **ECHO** **N/A**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 8 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

FINDS:
Registry ID: 110070511538

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1024722597
Registry ID: 110070511538
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070511538
Name: CEDAR LANDMARK INC ARCO/AMPM
Address: 5121 E STATE HIGHWAY 58
City,State,Zip: BORON, CA 93516

T183 **KASSMA INC. ARCO AM/PM** **FINDS** **1023285157**
North **5121 HWY 58** **N/A**
1/8-1/4 **KRAMER JUNCTION, CA 93516**
0.149 mi.
788 ft. **Site 9 of 16 in cluster T**

Actual:
2490 ft.

FINDS:
Registry ID: 110065761429

Focus Map:
54

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

T184 **FOUR CORNERS ARCO AM PM** **FINDS** **1023650572**
North **5121 HIGHWAY 58** **N/A**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 10 of 16 in cluster T**

Actual:
2490 ft.

FINDS:
Registry ID: 110070061058

Focus Map:
54

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

T185 **CHMIRS** **S120832801**
North **5121 HWY 58** **N/A**
1/8-1/4 **KRAMER, CA 93516**
0.149 mi.
788 ft. **Site 11 of 16 in cluster T**

Actual:
2490 ft.

CHMIRS:

Focus Map:
54

Name:	Not reported
Address:	5121 HWY 58
City,State,Zip:	KRAMER, CA 93516
OES Incident Number:	17-0992
OES notification:	02/02/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported

(Continued) **S120832801**

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	Water Petroleum mixture
Date/Time:	1730
Year:	2017
Agency:	Roux Associates
Incident Date:	02/01/2017
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Water hydro Carbon Mixture
Quantity Released:	25
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that approx. 25 gallons of Water hydro Carbon Mixture was released onto the asphalt parking lot due to mechanical failure. The release is contained and no longer releasing. Contractor conducted cleanup. No waterways were impacted.

T186 **CEDAR LANDMARK INC** **UST** **U004263731**
North **5121 HWY 58** **N/A**
1/8-1/4 **KRAMER JUNCTION (BORON), CA 93516**
0.149 mi.
788 ft. **Site 12 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

UST:

Name:	CEDAR LANDMARK INC
Address:	5121 HWY 58
City,State,Zip:	KRAMER JUNCTION (BORON), CA 93516
Facility ID:	FA0003322
Permitting Agency:	San Bernardino County Fire Department
Latitude:	34.9919
Longitude:	-117.538002

T187 **CEDAR LANDMARK INC** **CERS HAZ WASTE** **S121143882**
North **5121 HWY 58** **CERS TANKS** **N/A**
1/8-1/4 **KRAMER JUNCTION (BORON), CA 93516** **San Bern. Co. Permit**
0.149 mi. **CERS**
788 ft. **Site 13 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

CERS HAZ WASTE:

Name:	CEDAR LANDMARK INC
Address:	5121 HWY 58
City,State,Zip:	KRAMER JUNCTION (BORON), CA 93516
Site ID:	41137
CERS ID:	10039459
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	CEDAR LANDMARK INC
Address:	5121 HWY 58
City,State,Zip:	KRAMER JUNCTION (BORON), CA 93516
Site ID:	41137
CERS ID:	10039459
CERS Description:	Underground Storage Tank

San Bern. Co. Permit:

Name:	CEDAR LANDMARK INC
Address:	5121 HWY 58
City,State,Zip:	KRAMER JUNCTION (BORON), CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0003322
Owner:	CEDAR LANDMARK, INC.
Permit Number:	PT0010710
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	01/31/2021

Name:	CEDAR LANDMARK INC
Address:	5121 HWY 58
City,State,Zip:	KRAMER JUNCTION (BORON), CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0003322
Owner:	CEDAR LANDMARK, INC.
Permit Number:	PT0010711
Permit Category:	REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status:	ACTIVE
Expiration Date:	01/31/2021

CEDAR LANDMARK INC (Continued) **S121143882**

Name: CEDAR LANDMARK INC
Address: 5121 HWY 58
City,State,Zip: KRAMER JUNCTION (BORON), CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003322
Owner: CEDAR LANDMARK, INC.
Permit Number: PT0010712
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 01/31/2021

Name: CEDAR LANDMARK INC
Address: 5121 HWY 58
City,State,Zip: KRAMER JUNCTION (BORON), CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003322
Owner: CEDAR LANDMARK, INC.
Permit Number: PT0010713
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 01/31/2021

Name: CEDAR LANDMARK INC
Address: 5121 HWY 58
City,State,Zip: KRAMER JUNCTION (BORON), CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003322
Owner: CEDAR LANDMARK, INC.
Permit Number: PT0009034
Permit Category: HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status: PENDING
Expiration Date: 01/31/2021

Name: CEDAR LANDMARK INC
Address: 5121 HWY 58
City,State,Zip: KRAMER JUNCTION (BORON), CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003322
Owner: CEDAR LANDMARK, INC.
Permit Number: PT0023483
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status: PENDING
Expiration Date: 01/31/2021

CERS:
Name: CEDAR LANDMARK INC
Address: 5121 HWY 58
City,State,Zip: KRAMER JUNCTION (BORON), CA 93516
Site ID: 41137
CERS ID: 10039459
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 06-12-2017
Citation: 23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16,

CEDAR LANDMARK INC (Continued) **S121143882**

Section(s) 2712
Violation Description: Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes: Returned to compliance on 06/12/2017. OBSERVED SENSOR AT 91 ANNULAR NOT FUNCTIONING PROPERLY WHEN TESTED. OBSERVED SENSORS AT DISPENSERS NOT FUNCTIONING PROPERLY WHEN TESTED. COMPLIANCE REQUIREMENT: SENSORS REPROGRAMMED FOR TURBINE SHUTDOWN AT 91 ANNULAR AND WAS RETESTED. UDC SENSORS WERE RESET AND RETESTED. VIOLATION CORRECTED DURING INSPECTION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 09-19-2019
Citation: 23 CCR 16 2636(f)(2) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(2)
Violation Description: Failure of the functional line leak detector (LLD) monitoring pressurized piping to meet one or more of the following requirements: Monitored at least hourly with the capability of detecting a release of 3.0 gallons per hour leak at 10 pounds per square inch and restrict or shut off the flow of product through the piping when a leak is detected.
Violation Notes: Returned to compliance on 09/19/2019. OBSERVATION: THE SOUTH 87 MECHANICAL LINE LEAK DETECTOR (MLLD) FAILED WHEN TESTED. COMPLIANCE MET ON SITE: TECHNICIAN REPLACED AND RETESTED NEW MLLD.-PASSED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 04-22-2015
Citation: 23 CCR 16 2644.1(a)(3) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2644.1(a)(3)
Violation Description: Failure to conduct the required enhanced leak detection testing for single walled UST systems located within 1,000 feet of a public drinking water well every 36 months.
Violation Notes: Returned to compliance on 05/04/2015. OBSERVATION: 1) ELD (ENHANCED LEAK DETECTION) RESULTS WERE NOT AVAILABLE FOR REVIEW.2) ELD RESULTS WERE NOT SUBMITTED TO THIS DIVISION. COMPLIANCE REQUIREMENT: SUBMIT ELD RESULTS TO THIS DIVISION. IF FACILITY BELIEVES THAT AN ELD TEST IS NOT REQUIRED, THEN SUBMIT AN ELD EXEMPT FORM. Any questions concerning this inspection report, please contact Theresa Congdon.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-25-2019
Citation: 23 CCR 16 2715(c)(4) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)(4)
Violation Description: Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1,

CEDAR LANDMARK INC (Continued) **S121143882**

	2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA.
Violation Notes:	Returned to compliance on 09/19/2019. Failure to maintain a list of employees trained by the designated operator on-site or off-site at a readily available location, if approved by the UPA. For training that occurs on or after October 1, 2018, failure to maintain a copy of the "Facility Employee Training Certificate" on-site or off-site at a readily available location, if approved by the UPA. OBSERVATION : TRAINING RECORDS WERE NOT AVAILABLE FOR REVIEW. COMPLIANCE REQUIREMENT: SUBMIT A COPY OF DESIGNATED OPERATOR EMPLOYEE TRAINING RECORDS TO THIS DEPARTMENT.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	08-30-2019
Citation:	23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description:	Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes:	Returned to compliance on 09/19/2019. OBSERVATION: THE 87 MAIN & 87 SECONDARY TURBINES FAILED TO SHUT-DOWN WHEN TESTED. COMPLIANCE REQUIREMENT: TROUBLESHOOT/ REPAIR 87 TURBINES. TURBINES ARE REQUIRED TO OPERATE IN POSITIVE SHUT DOWN, WHEN IN ALARM. CALL OFFICE FOR A WITNESS INSPECTION AND TO COMPLETE THE MONITORING CERTIFICATION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-25-2019
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes:	Returned to compliance on 09/26/2019. OBSERVATION: CERS list the BOE# 44051896 and is associated with Crabtree & Sharma, the previous owner. COMPLIANCE REQUIREMENT: Call the BOE at 800-400-7115 for obtain an active BOE number.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	06-23-2014
Citation:	HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description:	Failure to install line leak detector on pressurized piping system.
Violation Notes:	Returned to compliance on 06/23/2014. OBSERVATION: THE DIESEL LINE LEAK DETECTOR FAILED A 3 GPH/10 PSI LEAK TEST. COMPLLIANCE: MET ONSITE. TECHNICIAN REPLACED WITH LIKE EQUIPMENT AND RETESTED - PASS
Violation Division:	San Bernardino County Fire Department

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 06-12-2017
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 01/09/2018. VIOLATION HAS BEEN CORRECTED IN CERS ON 01/09/18, CLOSE OUT VIOLATIONS PER P. SAAVEDRA-PREYES OBSERVED EXPIRED CERTIFICATE OF FINANCIAL RESPONSIBLITY (CFR) ON CERS WEBSITE. COMPLIANCE REQUIREMENT: UPDATE CERS TO REFLECT CURRENT CFR. SUBMIT SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 01-29-2020
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 09/25/2020. OBSERVATION: The USTs onsite have not been legally closed and are not being monitored and maintained according to the requirements set forth by California Code of Regulations Title 23, Chapter 16, California Health and Safety Code 6.75 and California Fire Code. COMPLIANCE REQUIREMENT: Immediately apply for an underground storage tank removal permit with the Underground Storage Tank Program of San Bernardino County Fire Department, Hazardous Materials Division. The USTG s onsite must be removed within 30 days.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 08-30-2019
Citation: 23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description: Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.
Violation Notes: Returned to compliance on 09/19/2019. OBSERVATION: THE 87 MAIN & 87 SECONDARY TURBINES FAILED TO SHUT-DOWN WHEN TESTED. COMPLIANCE REQUIREMENT: TROUBLESHOOT/ REPAIR 87 TURBINES. TURBINES ARE REQUIRED TO OPERATE IN POSITIVE SHUT DOWN, WHEN IN ALARM. CALL OFFICE FOR A WITNESS INSPECTION AND TO COMPLETE THE MONITORING CERTIFICATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Date:	07-25-2019
Citation:	HSC 6.7 25291(a)(1) - California Health and Safety Code, Chapter 6.7, Section(s) 25291(a)(1)
Violation Description:	Failure to construct, operate, and maintain primary containment as product-tight.
Violation Notes:	Returned to compliance on 09/19/2019. OBSERVATION: Fuel was observed in the 87 STP & Diesel STP. Technician was unable to determine the source of the leak. COMPLIANCE REQUIREMENT: 1) WITHIN 7-DAYS, TROUBLESHOOT FUEL SOURCE. 2) Since facility was recorded on file for damaged product lines, facility will be required to perform a precision line test for both the diesel and 87 product line.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-25-2019
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 09/26/2019. OBSERVATION: FACILITY'S SB989 CERTIFICATION PERFORMED ON 07/24/2018 NOTED FAILURE. FAILURE WAS NOT ADDRESSED. COMPLIANCE REQUIREMENT: TROUBLESHOOT SB989 FAILURE AND RE-TEST. IF FAILURE WAS ADDRESS, SUBMIT A COPY OF THE SECONDARY CONTAINMENT (SB989) CERTIFICATION DOCUMENTATION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	06-12-2017
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 01/09/2018. FACILITY CORRECTED VIOLATION ON CERS SUBMITTAL 01/09/18, CLOSE OUT VIOLATION PER M. VILLARAZA-PREYES OBSERVED CUPA EMERGENCY PHONE NUMBER INCORRECT ON CERS WEBSITE. (909)386-8401 IS OFFICE DAYTIME NUMBER. COMPLIANCE REQUIREMENT: UPDATE CUPA EMERGENCY PHONE NUMBER TO REFELCT (909) 386-8425. SUBMIT SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-24-2018
Citation:	HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description:	Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Notes:	Returned to compliance on 08/04/2018. BOE # listed in CERS UST operating permit element is not valid. Provide correct BOE# and update CERS UST Element.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-25-2016
Citation:	23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description:	Failure of the overfill prevention system to meet one of the following requirements: Alert the transfer operator when the tank is 90 percent full by restricting the flow into the tank or triggering an audible and visual alarm; or Restrict delivery of flow to the tank at least 30 minutes before the tank overfills, provided the restriction occurs when the tank is filled to no more than 95 percent of capacity; and activate an audible alarm at least five minutes before the tank overfills; or Provide positive shut-off of flow to the tank when the tank is filled to no more than 95 percent of capacity; or Provide positive shut-off of flow to the tank so that none of the fittings located on the top of the tank are exposed to product due to overfilling.
Violation Notes:	Returned to compliance on 08/22/2016. COMPLIANCE ACTIVITY: NOTIFIED TONY ARIAS (STORE MANAGER) THAT FACILITY WILL BE RED TAG, IF COMPLIANCE REQUIREMENTS DOCUMENTED IN THE 7-DAY NOTICE IS NOT MET.(08/02/2016 @ 09:24AM) OBSERVATION: OVERFILL PROTECTION WAS NOT OBSERVED AT THIS FACILITY. NO MECHANICAL FLAPPERS WERE OBSERVED IN THE 87 (NORTH & SOUTH), 91 AND DIESEL FILL TUBES AND AN EXTERNAL OVERFILL ALARM WAS NOT OBSERVED . COMPLIANCE ACTIVITY: 8/22/16 - FACILITY SUBMITTED PLANS TO COMPLY WITH NOV ISSUED. PLANS WERE REVIEWED AND APPROVED ON 9/6/16. JMAY COMPLIANCE REQUIREMENT: WITHIN 7-DAYS, SUBMIT A SCOPE OF WORK TO THIS DEPARTMENT FOR THE INSTALLATION OF AN APPROVED OVERFILL SYSTEM.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	06-12-2017
Citation:	23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description:	Failure to have a UST Response Plan available on site.
Violation Notes:	Returned to compliance on 08/04/2018. OBSERVED CERS UST TANK INFORMATION INCORRECTLY NOT LISTING AUDIBLE VISUAL ALARMS AS FORM OF OVERFILL PROTECTION. UPDATE UST SITE MAP ON CERS TO REFLECT UST PIPING LAYOUT. CHECK YES TO AUDIBLE VISUAL ALARMS AS FORM OF OVERFILL PROTECTION ON CERS SUBMITTAL AND UPDATE UST SITE MAP. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Date:	07-20-2015
Citation:	23 CCR 16 2637 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2637
Violation Description:	Failure to comply with one or more of the following: conduct secondary containment testing, within six months of installation and every 36 months thereafter, conducted in accordance with proper practices, protocols, or test methods.
Violation Notes:	Returned to compliance on 08/17/2015. PREVIOUS SB989 TEST COMPLETED FOR THIS SITE WAS ON 6/26/2012 AND IS APPROX. A MONTH PASS DUE AND CALIBRATED PRESSURE/VACUUM GAUGES WERE NOT AVAILABLE TO COMPLETE THE SB989 TEST BEING PERFORMED TODAY. SCHEDULE FOR SB989 COMPLETION TEST INSPECTION THIS DEPARTMENT WITHIN 30 DAYS. ENSURE THAT PRESSURE/VACUUM GUAGES ARE CURRENT WITH CALIBRATION AT TIME OF SCHEDULED RE-INSPECTION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	06-23-2014
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 06/24/2014. OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED CUPA DOCUMENTATION TO THE CERS. ASSISTANCE WAS PROVIDED WITH ENTERING DATA AND UPLOADING DOCUMENTS DURING THIS INSPECTION. COMPLIANCE REQUIREMENT: SUBMIT ALL REQUIRED CUPA DOCUMENTATION TO THE CERS WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-25-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/01/2016. Failure to retain Hazardous Waste Manifests for at least 3 years (CCR 66262.40(a)) COMPLIANCE ACTIVITY: (08/01/2016) SUBMITTED COMPLIANCE DOCUMENTATION Failure to retain Hazardous Waste Manifests for at least 3 years (CCR 66262.40(a)) OBSERVATION: 3 -YEARS OF HAZARDOUS WASTE MANIFESTS WERE NOT AVAILABLE FOR REVIEW. COMPLIANCE REQUIREMENT: SUBMIT COPIES OF 3-YEARS OF HAZARDOUS WASTE MANIFEST OR SUBMIT A SIGNED STATEMENT STATING THAT FACILITY WILL RETAIN 3-YEARS OF HAZARDOUS WASTE MANIFESTS ON SITE.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-24-2018

CEDAR LANDMARK INC (Continued) **S121143882**

Citation:	23 CCR 16 2712 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712
Violation Description:	Failure to comply with any of the applicable requirements of the permit issued for the operation of the UST system.
Violation Notes:	Returned to compliance on 08/04/2018. Observed 30 gallons of fuel in Premium turbine sump. Turbine was running nonstop due to stuck relay and thus making liquid sensor nonfunctional and not able to alarm or shut down turbine. DO inspection had been conducted the day before and failed to observe or document these occurrences. Due to large volume of fuel in sump the owner/operator is ordered to check the premium turbine sump every 5 days until the end of August 2018 to monitor for fuel releases into the sump that may occur during fueling operations. Provide this office with compliance documentation including inspection log documenting findings and or corrective actions if a release is found.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-24-2018
Citation:	HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description:	Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes:	Returned to compliance on 08/04/2018. Observed 30 gallons of fuel in Premium turbine sump. Turbine was running nonstop due to stuck relay and thus making liquid sensor nonfunctional and not able to alarm or shut down turbine. DO inspection had been conducted the day before and failed to observe or document these occurrences. Due to large volume of fuel in sump the owner/operator is ordered to check the premium turbine sump every 5 days until the end of August 2018 to monitor for fuel releases into the sump that may occur during fueling operations. Provide this office with compliance documentation including inspection log documenting findings and or corrective actions if a release is found.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-24-2018
Citation:	HSC 6.7 25290.1(c)(3),25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3),25290.2(c)(3)
Violation Description:	Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003.
Violation Notes:	Returned to compliance on 08/04/2018. SB989 testing documented failure of secondary containment for diesel fill sump. Submit a work plan for repair, permits if required and retesting. Submit copies of all test results documenting all testing results with in 30 days of testing.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137

CEDAR LANDMARK INC (Continued) **S121143882**

Site Name: CEDAR LANDMARK INC
Violation Date: 07-20-2015
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 07/30/2015. CFO LETTER AS PART OF THE EVIDENCE OF FINANCIAL RESPONSIBILITY FOR UST SYSTEM NEEDS TO BE UPDATED ON LINE IN CERS. A CURRENT CFO LETTER WAS OBSERVED IN THE UST COMPLIANCE BINDER ON SITE BUT NOT SUBMITTED ON LINE IN CERS. SUBMIT CURRENT CFO LETTER ON LINE IN CERS WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 06-23-2014
Citation: HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description: Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance stored in the primary containment into the secondary containment.
Violation Notes: Returned to compliance on 04/22/2015. OBSERVATION: THE ANNULAR SENSOR LOCATED IN THE DIESEL INTERSTITIAL SPACE DOES NOT FUNTION AS DESIGNED. COMPLIANCE REQUIREMENT: REPLACE THE ANNULAR SENSOR AND RETEST WITHIN SEVEN DAYS. SUBMIT A WRITTEN STATMENT OF COMPLIANCE ALONG WITH A WORK ORDER FROM A LICENSED AND CERTIFIED UST CONTRACTOR.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-25-2016
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes: Returned to compliance on 08/01/2016. COMPLIANCE ACTIVITY: (08/01/2016) SUBMITTED COMPLIANCE DOCUMENTATION OBSERVATION: ALARMS FOR (L6 91 ANNULAR JULY 7, 2016) & (L1 DIESEL STP FEB 4 & 12, 2016) WERE NOT PROPERLY DOCUMENTED ON THE D.O. INSPECTION SHEET. ALARMS DOCUMENTED ON D.O. SHEET DID NOT DOCUMENT HOW THE ALARM WAS CORRECTED. WORK ORDER MUST BE ATTACHED TO D.O. SHEETS. COMPLIANCE REQUIREMENT: SUBMIT COPIES OF JULY 2016 & FEB 2016 D.O INSPECTIONS SHEETS, DOCUMENTING THE CORRECTED ACTION FOR THE L6 & L1 ALARMS.

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	06-23-2014
Citation:	HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description:	UST Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 06/24/2014. Failure to have a written monitoring program with monitoring procedures and response plan. (CCR 2632(d)) OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED CUPA DOCUMENTATION TO THE CERS. ASSISTANCE WAS PROVIDED WITH ENTERING DATA AND UPLOADING DOCUMENTS DURING THIS INSPECTION. COMPLIANCE REQUIREMENT: SUBMIT ALL REQUIRED CUPA DOCUMENTATION TO THE CERS WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-25-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/01/2016. Hazardous waste accumulation time exceeded (CCR 66262.34(a)) COMPLIANCE ACTIVITY: (08/01/2016) SUBMITTED COMPLIANCE DOCUMENTATION Hazardous waste accumulation time exceeded (CCR 66262.34(a)) OBSERVATION: A FACILITY HAS 3 MONTHS TO DISPOSE OF A HAZARDOUS WASTE, FACILITY GENERATES MORE THAN 2,200-POUNDS PER MONTHS. DURING THE INSPECTION, (38) 55-GALLON DRUMS (EACH APROX WEIGHING 500-POUNDS, 38 DRUMS X 500-POUNDS=19,000-POUNDS). AN ACCUMULATION START TIME WAS NOT NOTED ON DRUMS. COMPLIANCE REQUIREMENT: SUBMIT A COPY OF THE HAZARDOUS WASTE MANIFEST DOCUMENTING THE PROPER DISPOSAL OF THE (38) 55-GALLON DRUMS OF GASOLINE CONTAMINATED SOIL.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-25-2016
Citation:	HSC 6.7 29291(b) - California Health and Safety Code, Chapter 6.7, Section(s) 29291(b)
Violation Description:	Failure of the UST system to be designed and constructed with a monitoring system capable of detecting the entry of the hazardous substance into the secondary containment.
Violation Notes:	Returned to compliance on 08/22/2016. COMPLIANCE ACTIVITY: 8/22/16 - FACILITY SUBMITTED PLANS TO COMPLY WITH NOV ISSUED. PLANS WERE REVIEWED AND APPROVED ON 9/6/16. JMAY COMPLIANCE ACTIVITY: FACILITY SUBMITTED PLANS ON 8/5/16. PLAN BEING PROCESSED BY SHANE BARBAO IN TRAINING. PLANS DID NOT ADDRESS ALL THE COMPLIANCE REQUIREMENTS. CONTACT WAS MADE WITH JESUS MARTINEZ OF JMAR ENVIRONMENTAL. AN ADDENDUM WILL BE SUBMITTED ASAP. JMAY COMPLIANCE ACTIVITY: NOTIFIED

CEDAR LANDMARK INC (Continued) **S121143882**

TONY ARIAS (STORE MANAGER) THAT FACILITY WILL BE RED TAG, IF COMPLIANCE REQUIREMENTS DOCUMENTED IN THE 7-DAY NOTICE IS NOT MET.(08/02/2016 @ 09:24AM) OBSERVATION: 1)OVERFILL PROTECTION WAS NOT OBSERVED AT THIS FACILITY. NO MECHANICAL FLAPPERS WERE OBSERVED IN THE 87 (NORTH & SOUTH), 91 AND DIESEL FILL TUBES AND AN EXTERNAL OVERFILL ALARM WAS NOT OBSERVED . 2) THE 87 (NORTH) & 87 (SOUTH) MECHANICAL LINE LEAK DETECTORS FAILED WHEN TESTED. IT WAS OBSERVED THAT BOTH THE 87 (NORTH & SOUTH) PIPING WERE MANIFOLDED AND TURBINES WERE PROGRAMED TO [Truncated]

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-20-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 07/30/2015. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) CURRENT UST D.O.. STATEMENT/AGREEMENT FORM HAS NOT BEEN SUBMITTED ON LINE IN CERS. UST FACILITY HAS CHANGED UST D.O. FROM AW ASSOCIATES TO PECS. A CURRENT UST D.O. STATEMENT/AGREEMENT WAS OBSERVED INSIDE THE UST COMPLIANCE BINDER MAINTAINED AT THE FACILITY. SUBMIT CURRENT UST D.O. STATEMENT/AGREEMENT ON LINE IN CERS WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-25-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/01/2016. Failure to determine if waste is hazardous waste (CCR 66262.11) COMPLIANCE ACTIVITY: (08/01/2016) SUBMITTED COMPLIANCE DOCUMENTATION
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-25-2016
Citation: 23 CCR 16 2636(f)(1) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2636(f)(1)
Violation Description: Failure of the leak detection equipment to have an audible and visual alarm as required.
Violation Notes: Returned to compliance on 08/22/2016. OBSERVATION: VISUAL (LIGHT) OF THE VEEDER ROOT MONITORING PANEL FAILED TO OPERATE WHEN TESTED. COMPLIANCE REQUIREMENT: SUBMIT A COPY OF THE WORK ORDER, DOCUMENTING THE REPAIR AND FUNCTIONALITY OF THE VISUAL (LIGHT) OF THE MONITORING PANEL. COMPLIANCE ACTIVITY: 8/22/16 - FACILITY SUBMITTED PLANS TO COMPLY WITH NOV ISSUED. PLANS WERE REVIEWED AND APPROVED ON 9/6/16. JMAY

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-25-2016
Citation: HSC 6.7 25284 - California Health and Safety Code, Chapter 6.7, Section(s) 25284
Violation Description: Failure to obtain a valid permit to operate from the CUPA.
Violation Notes: Returned to compliance on 07/25/2016. COMPLIANCE ACTIVITY: FACILITY IS IN COMPLIANCE DUE TO CERS UNABLE TO MAKE NECESSARY CHANGE. OBSERVATION: THE CERS SUBMITTED UST DOCUMENTATION NOTED THE BUSINESS NAME AS KASSMA INC. DURING THE INSPECTION, IT WAS OBSERVED THAT THE FACILITY'S BUSINESS NAME WAS CEDAR LANDMARK INC. COMPLIANCE REQUIREMENT: UPDATE CERS UST INFORMATION WITH THE CORRECT BUSINESS NAME.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 12-10-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 12/30/2015. Failure to correct past UST violations within 30 days of receiving a UST inspection report (23CCR 2712(f)) LEFT WITH OWNER/ OPERATOR 7-DAY NOTICE: VIOLATION: (1) failure to report an unauthorized release that has escaped the UST secondary containment (CHSC 25295(a)(1)), and(2) failure to operate a UST system to prevent unauthorized release (CHSC 25291.1(a)). COMPLIANCE REQUIREMENT: (1) Obtaining permits to verify if UST components are compromised including piping. (2) sampling must be performed to determine extent of release.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 06-12-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 06/27/2017. OBSERVED HAZARDOUS WASTE LIQUID/ WASTE TESTING LIQUID NOT LISTED ON CERS INVENTORY. COMPLIANCE REQUIREMENT: UPDATE INVENTORY TO ADD THIS WASTE STREAM TO HAZARDOUS MATERIALS INVENTORY. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

CEDAR LANDMARK INC (Continued) **S121143882**

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 01-29-2020
Citation: HSC 6.7 25298 - California Health and Safety Code, Chapter 6.7, Section(s) 25298
Violation Description: Failure to comply with all permanent closure requirements.
Violation Notes: Returned to compliance on 09/25/2020. OBSERVATION: The USTs onsite have not been legally closed and are not being monitored and maintained according to the requirements set forth by California Code of Regulations Title 23, Chapter 16, California Health and Safety Code 6.75 and California Fire Code. COMPLIANCE REQUIREMENT: Immediately apply for an underground storage tank removal permit with the Underground Storage Tank Program of San Bernardino County Fire Department, Hazardous Materials Division. The USTG s onsite must be removed within 30 days.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 06-23-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Returned to compliance on 06/24/2014. OBSERVATION: FACILITY HAS NOT SUBMITTED THE BUSINESS PLAN TO THE CERS. COMPLIANCE REQUIREMENT: SUBMIT ALL REQUIRED CUPA DOCUMENTATION TO THE CERS WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-25-2016
Citation: HSC 6.7 25292(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25292(e)
Violation Description: Failure to install a line leak detector (LLD).
Violation Notes: Returned to compliance on 08/05/2016. COMPLIANCE ACTIVITY: 8/23/16. FACILITY SUBMITTED PLANS ON 8/5/16. PLAN BEING PROCESSED BY SHANE BARBAO IN TRAINING. PLANS DID NOT ADDRESS ALL THE COMPLIANCE REQUIREMENTS. CONTACT WAS MADE WITH JESUS MARTINEZ OF JMAR ENVIRONMENTAL. AN ADDENDUM WILL BE SUBMITTED ASAP. JMAY COMPLIANCE ACTIVITY: NOTIFIED TONY ARIAS (STORE MANAGER) THAT FACILITY WILL BE RED TAG, IF COMPLIANCE REQUIREMENTS DOCUMENTED IN THE 7-DAY NOTICE IS NOT MET.(08/02/2016 @ 09:24AM) OBSERVATION: THE 87 (NORTH) & 87 (SOUTH) MECHANICAL LINE LEAK DETECTORS FAILED WHEN TESTED. IT WAS OBSERVED THAT BOTH THE 87 (NORTH & SOUTH) PIPING WERE MANIFOLDED AND TURBINES WERE PROGRAMED TO OPERATE AT THE SAME TIME. THE MECHANICAL LINE LEAK DETECTORS WILL NOT FUNCTION, IF BOTH MANIFOLD TURBINES OPERATE AT THE SAME TIME. COMPLIANCE REQUIREMENT: WITH IN 7-DAYS, TROUBLE SHOOT / REPAIR THE FUNCTIONALITY OF THE 87 (NORTH & SOUTH) MECHANICAL LINE LEAK DETECTORS. TECHNICIAN STATED IF THE 87 TURBINES WERE PROGRAMED FOR [Truncated]
Violation Division: San Bernardino County Fire Department

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 11-24-2015
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes: Returned to compliance on 01/27/2016. OWNER REPORTED AT 1500-2000 GALLON FUEL RELEASE AT 91 UST. RELEASE WAS DISCOVERED ON 11/6/15. COMPLIANCE REQUIREMENT: RED TAG 1329 WAS PLACED ON 91 FILL. SUBMIT PLANS AND REOUIRED PERMIT FEES FOR UST REPAIRS PRIOR TO STARTING REPAIR WORK. CONTACT UST PROGRAM AT (909) 386-8464 TO SCHEDULE INSPECTION. SUBMIT REPAIR PLANS WITHIN 15 DAYS. 1/27/16 permt issued and inspection conducted. RED TAG removed. PS
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-25-2016
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Hazardous Waste Generator Program - Operations/Maintenance - General
Violation Notes: Returned to compliance on 08/01/2016. Failure to label hazardous waste containers (CCR 66262.34(f)(3)) COMPLIANCE ACTIVITY: (08/01/2016) SUBMITTED COMPLIANCE DOCUMENTATION OBSERVATION: (38) 55-GALLON DRUMS OF GASOLINE CONTAMINATED SOIL WERE NOT PROPERLY LABELED. COMPLIANCE REQUIREMENT: PROPERLY LABELED ALL (38) 55-GALLON DRUMS OF GASOLINE CONTAMINATED SOIL WITH HAZARDOUS WASTE LABELS.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 06-23-2014
Citation: HSC 6.7 25299 - California Health and Safety Code, Chapter 6.7, Section(s) 25299
Violation Description: Failure to comply with one or more of the operating permit conditions.
Violation Notes: Returned to compliance on 04/22/2015. OBSERVATION: THE ANNULAR SENSOR LOCATED IN THE DIESEL INTERSTITIAL SPACE DOES NOT FUNTION AS DESIGNED. COMPLIANCE REQUIREMENT: REPLACE THE ANNULAR SENSOR AND RETEST WITHIN SEVEN DAYS. SUBMIT A WRITTEN STATMENT OF COMPLIANCE ALONG WITH A WORK ORDER FROM A LICENSED AND CERTIFIED UST CONTRACTOR.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-20-2015
Citation: 23 CCR 16 2638 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638
Violation Description: Failure to test leak detection equipment as required every 12 months

CEDAR LANDMARK INC (Continued) **S121143882**

	(VPH, sensor, LLD, ATG, etc.) and/or submit monitoring system certification to the CUPA within 30 days of completion of the test
Violation Notes:	Returned to compliance on 07/20/2015. UST MONITORING SYSTEM CERTIFICATION WAS DUE TO BE COMPLETED ON OR BEFORE 6/23/2014 AND IS APPROXIMATELY A MONTH PAST DUE. THE UST MONITORING SYSTEM CERTIFICATION COMPLETED TODAY WILL SATISFY THE RETURN TO COMPLIANCE REQUIREMENT OF THIS VIOLATION. FUTURE RECALCITRANCE TO THIS VIOLATION WILL RESULT IN FURTHER ENFORCEMENT ACTIONS. NEXT UST MONITORING SYSTEM CERTIFICATION FOR THIS SITE WILL BE DUE ON OR BEFORE 7/20/2016.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-25-2016
Citation:	HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description:	Hazardous Waste Generator Program - Administration/Documentation - General
Violation Notes:	Returned to compliance on 08/01/2016. Failure to obtain an EPA ID Number (CCR 66262.12(a)) COMPLIANCE ACTIVITY: (08/01/2016) SUBMITTED COMPLIANCE DOCUMENTATION Failure to obtain an EPA ID Number (CCR 66262.12(a)) OBSERVATION: FACILITY'S EPA ID NUMBER IS IN-ACTIVE. COMPLIANCE REQUIREMENT: RE-ACTIVATE EPA ID NUMBER. APPLICATION ENCLOSED WITH E-MAIL.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	06-23-2014
Citation:	HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description:	Failure to prepare, maintain, and submit accurate CUPA UST Operating Permit Application for Facility information and/or Tank information.
Violation Notes:	Returned to compliance on 06/24/2014. OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED CUPA DOCUMENTATION TO THE CERS. ASSISTANCE WAS PROVIDED WITH ENTERING DATA AND UPLOADING DOCUMENTS DURING THIS INSPECTION. COMPLIANCE REQUIREMENT: SUBMIT ALL REQUIRED CUPA DOCUMENTATION TO THE CERS WITHIN 30 DAYS.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	41137
Site Name:	CEDAR LANDMARK INC
Violation Date:	07-25-2019
Citation:	23 CCR 16 2638(d) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2638(d)
Violation Description:	Failure to submit the G Monitoring System Certification FormG to the UPA within 30 days of completion of the test.
Violation Notes:	Returned to compliance on 09/19/2019. OBSERVATION: UST SYSTEMS MUST BE RE-CERTIFIED EVERY 12-MONTHS. DURING THE INSPECTION, THE 87- TURBINE FAILED TO COME BACK ONLINE. THIS PREVENTED THE TECH FROM FINISHING THE MONITORING CERTIFICATION. COMPLIANCE REQUIREMENT: WITHIN 7-DAYS, HAVE

CEDAR LANDMARK INC (Continued) **S121143882**

A CERTIFIED UST TECHNICIAN TROUBLESHOOT ISSUES WITH THE UST SYSTEM. CALL OFFICE FOR A WITNESSED MONITORING CERTIFICATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-20-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 08/17/2015. UST D.O. MONTHLY INSPECTIONS BETWEEN DECEMBER 2014 AND APRIL 2015 HAD NOT BEEN COMPLETED. PER UST OPERATOR, THE FORMER UST D.O. AW ASSOCIATES STOPPED DOING THE UST D.O. INSPECTIONS DURING THE PREVIOUSLY MENTIONED TIME PERIOD. SUBMIT A SIGNED STATEMENT THAT THE UST D.O. WILL COMPLETE MONTHLY INSPECTIONS EACH MONTH.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 11-24-2015
Citation: HSC 6.7 29295 - California Health and Safety Code, Chapter 6.7, Section(s) 29295
Violation Description: Failure to record and/or report suspected or actual unauthorized release in appropriate time frame.
Violation Notes: Returned to compliance on 11/28/2015. OWNER FAILED TO IMMEDIATELY REPORT AN UNAUTHORIZED UST FUEL RELEASE THAT OCCURRED ON 11/6/15 AND SUBMIT A WRITTEN REPORT. COMPLIANCE REQUIREMENT: IMMEDIATELY SUBMIT COMPLETE WRITTEN REPORT FOR UNAUTHORIZED RELEASED. INCLUDE COPIES OF SUPPORTING DOCUMENTATION INCLUDING WORK ORDERS, HAZARDOUS WASTE MANIFESTS OR OTHER DOCUMENTATION. 11/28/15 Written release report submitted to this Division. PS
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 07-25-2016
Citation: HSC 6.7 25290.1(c)(3), 25290.2(c)(3) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c)(3), 25290.2(c)(3)
Violation Description: Failure to keep water out of the secondary containment of UST systems installed on or after July 1, 2003 and before July 1, 2004, or on or after July 1, 2004.

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Notes: Returned to compliance on 07/25/2016. OBSERVATION: 1 1/2 INCHES OF GASOLINE WAS OBSERVED IN THE 91-TURBINE SUMP. NOTE- THE LAST 91-TURBINE SUMP FUEL ALARM WAS DOCUMENTED IN 2015. FACILITY WAS DIRECTED TO PROVE THAT THE PRESENTS OF FUEL IN THE 91-TURBINE SUMP, WAS NOT THE RESULT OF FAULTY PIPING/ LEAKING PRODUCT PIPING. COMPLIANCE MET ON SITE: 1) TECHNICIAN REMOVED GASOLINE FROM SUMP. 2) TECHNICIAN INSPECTED SUMP AND OBSERVED NO LEAKS FROM PIPING. 3) TECHNICIAN PERFORMED A PRECISION LINE TEST ON THE 91-PRODUCT LINE-PASSED 3) TECHNICIAN PERFORMED A SECONDARY LINE TEST ON THE 91 PRODUCT SECONDARY PIPING-PASSED
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 06-23-2014
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes: Returned to compliance on 04/22/2015. OBSERVATION: THE ANNULAR SENSOR LOCATED IN THE DIESEL INTERSTITIAL SPACE DOES NOT FUNCTION AS DESIGNED. COMPLIANCE REQUIREMENT: REPLACE THE ANNULAR SENSOR AND RETEST WITHIN SEVEN DAYS. SUBMIT A WRITTEN STATMENT OF COMPLIANCE ALONG WITH A WORK ORDER FROM A LICENSED AND CERTIFIED UST CONTRACTOR.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 09-19-2019
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: Returned to compliance on 09/26/2019. OBSERVATION: THE STAND ALONE SENSORS (VR-001) IN UDC 1/2 & 5/6 FAILED WHEN TESTED. COMPLIANCE REQUIREMENT: SUBMIT A COPY OF THE WORK ORDER DOCUMENTING THE REPLACEMENT AND FUNCTIONALITY OF THE UDCS' STAND-ALONE SENSORS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Violation Date: 06-23-2014
Citation: HSC 6.7 Multiple Sections - California Health and Safety Code, Chapter 6.7, Section(s) Multiple Sections
Violation Description: UST Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 06/24/2014. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED CUPA DOCUMENTATION TO THE CERS. ASSISTANCE WAS PROVIDED WITH ENTERING DATA AND UPLOADING DOCUMENTS TO THE CERS DURING THIS INSPECTION. COMPLIANCE REQUIREMENT: SUBMIT ALL REQUIRED CUPA DOCUMENTATION TO THE CERS WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department

CEDAR LANDMARK INC (Continued) **S121143882**

Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL UST INSPECTION AND CERS REVIEW AND UST CONSTRUCTION FINAL
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HAZMAT HANDLER INSPECTION UST ONLY
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-23-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST HANDLER INSPECTION. ASSISTED OWNER WITH CERS INPUT OF HAZARDOUS MATERIALS INVENTORY, UST TANK FORMS AND MONITORING PLANS
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-26-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST HANDLER INSPECTION. CERS EDUCATION WAS PROVIDED DURING THIS INSPECTION TO THE OWNER MARK CRABTREE.
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST waste generator inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: CEDAR LANDMARK(AM/PM)- UST WASTE INSPECTION
Eval Division: San Bernardino County Fire Department

CEDAR LANDMARK INC (Continued) **S121143882**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST MONITORING CERTIFICATION - CERT NOT COMPLETED.-
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-20-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HAZARDOUS MATERIALS INSPECTION - UST ONLY
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-20-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST ANNUAL INSPECTION WITH MONITORING SYSTEM CERTIFICATION.
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-24-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST handler inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-25-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: CEDAR LANDMARK INC (AM/PM)- UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

CEDAR LANDMARK INC (Continued) **S121143882**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-25-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	CEDAR LANDMARK (AM/ PM)- UST MONITORING INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-30-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-24-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	COMPLAINT INVESTIGATION, NOTICE OF SIGNIFICANT UST VIOLATION WITH RED TAG
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-10-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	ARCO(KRAMER JCT-BORON) LEFT 7-DAY NOTICE
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-29-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	CEADER LANDMARK- UST INSPECTION- ABANDONED.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-22-2015
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	AM/PM BORON- UST- REVIEWING ELD TEST- TEST RESULTS NOT AVAILABLE
Eval Division:	San Bernardino County Fire Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-23-2014

CEDAR LANDMARK INC (Continued) **S121143882**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	UST MONITORING CERTIFICATION. ASSISTED OWNER WITH CERS INPUT OF HAZARDOUS MATERIALS INVENTORY, UST TANK FORMS AND MONITORING PLANS
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	08-30-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST- RE-INSPECTION OF MONITORING CERTIFICATION
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-19-2019
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST RE-INSPECTION-
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-20-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	UST SECONDARY CONTAINMENT TEST INSPECTION. SEE C16 REPORT FOR INSPECTION INFORMATION AND NARRATIVE.
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-24-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Annual UST Inspection, SB989, Monitoring Cert and CERS review
Eval Division:	San Bernardino County Fire Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-25-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	UST WASTE INSPECTION
Eval Division:	San Bernardino County Fire Department
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	41137
Site Name:	CEDAR LANDMARK INC

CEDAR LANDMARK INC (Continued) **S121143882**

Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 04-22-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 06-12-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 06-12-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 06-23-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 06-23-2014
Enf Action Type: Notice of Violation (Unified Program)

CEDAR LANDMARK INC (Continued) **S121143882**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 07-20-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 07-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 07-25-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 11-24-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

CEDAR LANDMARK INC (Continued) **S121143882**

Site ID: 41137
Site Name: CEDAR LANDMARK INC
Site Address: 5121 HWY 58
Site City: KRAMER JUNCTION (BORON)
Site Zip: 93516
Enf Action Date: 12-10-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: MOE UDDIN
Entity Title: Not reported
Affiliation Address: 4300 Edison Ave
Affiliation City: Chino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91710
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: Mark Crabtree & Anju Sharma
Entity Title: Not reported
Affiliation Address: 4300 Edison Ave
Affiliation City: Chino
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91710
Affiliation Phone: (909) 753-3141

Affiliation Type Desc: UST Tank Owner
Entity Name: Crabtree & Sharma 2015 Living
Entity Title: Not reported
Affiliation Address: 4300 Edison Ave
Affiliation City: Chino
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91710
Affiliation Phone: (909) 753-3141

Affiliation Type Desc: CUPA District
Entity Name: San Bernardino County Fire
Entity Title: Not reported
Affiliation Address: 620 South E Street
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92415-0153
Affiliation Phone: (909) 386-8401

Affiliation Type Desc: Identification Signer
Entity Name: CEDAR LANDMARK INC
Entity Title: OWNER

CEDAR LANDMARK INC (Continued) **S121143882**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	CEDAR LANDMARK INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	CEDAR LANDMARK INC
Entity Title:	Not reported
Affiliation Address:	4300 Edison Ave
Affiliation City:	Chino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91710
Affiliation Phone:	(909) 753-3141
Affiliation Type Desc:	Parent Corporation
Entity Name:	CEDAR LANDMARK INC . ARCO AMPM
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4300 Edison Ave
Affiliation City:	Chino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91710
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	CEDAR LANDMARK INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 762-6622

CEDAR LANDMARK INC (Continued) **S121143882**

Affiliation Type Desc:	UST Permit Applicant
Entity Name:	CEDAR LANDMARK INC
Entity Title:	OPERATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 753-3141

Affiliation Type Desc:	UST Tank Operator
Entity Name:	CEDAR LANDMARK INC
Entity Title:	Not reported
Affiliation Address:	4300 Edison Ave
Affiliation City:	Chino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91710
Affiliation Phone:	(909) 753-3141

T188 **FOUR CORNERS ARCO AM/PM** **LUST** **S118494401**
North **5121 HIGHWAY 58** **Cortese** **N/A**
1/8-1/4 **KRAMER JUNCTION, CA 93516** **EMI**
0.149 mi. **CERS**
788 ft. **Site 14 of 16 in cluster T**

Actual:
2490 ft.

Focus Map:
54

LUST:

Name:	FOUR CORNERS ARCO AM/PM
Address:	5121 HIGHWAY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000008391
Global Id:	T10000008391
Latitude:	34.99156
Longitude:	-117.53751
Status:	Completed - Case Closed
Status Date:	02/27/2019
Case Worker:	BDG
RB Case Number:	6B3620005T
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Not reported
Potential Contaminants of Concern:	Benzene, Ethylbenzene, Gasoline, MTBE / TBA / Other Fuel Oxygenates, Total Petroleum Hydrocarbons (TPH), Xylene
Site History:	Not reported

LUST:

Global Id:	T10000008391
Contact Type:	Regional Board Caseworker
Contact Name:	BRIAN GREY
Organization Name:	LAHONTAN RWQCB (REGION 6T)
Address:	2501 LAKE TAHOE BOULEVARD
City:	SOUTH LAKE TAHOE
Email:	bgrey@waterboards.ca.gov
Phone Number:	Not reported

FOUR CORNERS ARCO AM/PM (Continued) **S118494401**

LUST:

Global Id:	T10000008391
Action Type:	RESPONSE
Date:	03/03/2016
Action:	Corrective Action Plan / Remedial Action Plan - Regulator Responded
Global Id:	T10000008391
Action Type:	RESPONSE
Date:	05/13/2016
Action:	Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded
Global Id:	T10000008391
Action Type:	ENFORCEMENT
Date:	04/05/2018
Action:	Email Correspondence
Global Id:	T10000008391
Action Type:	ENFORCEMENT
Date:	02/02/2016
Action:	Staff Letter
Global Id:	T10000008391
Action Type:	ENFORCEMENT
Date:	12/06/2018
Action:	Notification - Preclosure
Global Id:	T10000008391
Action Type:	ENFORCEMENT
Date:	01/22/2016
Action:	Referral to Regional Board
Global Id:	T10000008391
Action Type:	RESPONSE
Date:	10/12/2018
Action:	Request for Closure - Regulator Responded
Global Id:	T10000008391
Action Type:	ENFORCEMENT
Date:	11/17/2017
Action:	Email Correspondence
Global Id:	T10000008391
Action Type:	Other
Date:	11/23/2015
Action:	Leak Reported
Global Id:	T10000008391
Action Type:	RESPONSE
Date:	05/18/2018
Action:	Other Workplan - Regulator Responded
Global Id:	T10000008391
Action Type:	RESPONSE
Date:	01/23/2018
Action:	Other Workplan - Regulator Responded
Global Id:	T10000008391

FOUR CORNERS ARCO AM/PM (Continued) **S118494401**

Action Type: RESPONSE
Date: 07/29/2016
Action: Interim Remedial Action Plan - Regulator Responded

Global Id: T10000008391
Action Type: ENFORCEMENT
Date: 02/25/2019
Action: Closure/No Further Action Letter

Global Id: T10000008391
Action Type: RESPONSE
Date: 01/18/2017
Action: Soil and Water Investigation Report

Global Id: T10000008391
Action Type: RESPONSE
Date: 02/15/2017
Action: Remedial Progress Report

Global Id: T10000008391
Action Type: RESPONSE
Date: 07/22/2016
Action: Remedial Investigation Report

Global Id: T10000008391
Action Type: ENFORCEMENT
Date: 06/09/2016
Action: Email Correspondence

Global Id: T10000008391
Action Type: ENFORCEMENT
Date: 03/21/2016
Action: Staff Letter

Global Id: T10000008391
Action Type: ENFORCEMENT
Date: 05/04/2016
Action: Verbal Enforcement

Global Id: T10000008391
Action Type: Other
Date: 10/20/2015
Action: Leak Began

Global Id: T10000008391
Action Type: RESPONSE
Date: 06/13/2017
Action: Remedial Progress Report

Global Id: T10000008391
Action Type: RESPONSE
Date: 03/30/2018
Action: Remedial Progress Report

LUST:
Global Id: T10000008391
Status: Open - Case Begin Date

FOUR CORNERS ARCO AM/PM (Continued) **S118494401**

Status Date: 10/20/2015

Global Id: T10000008391
Status: Open - Site Assessment
Status Date: 01/28/2016

Global Id: T10000008391
Status: Open - Remediation
Status Date: 10/25/2016

Global Id: T10000008391
Status: Completed - Case Closed
Status Date: 02/27/2019

CORTESE:

Name:	FOUR CORNERS ARCO AM/PM
Address:	5121 HIGHWAY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T10000008391
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	FOUR CORNERS ARCO AM PM
Address:	5121 HIGHWAY 58
City,State,Zip:	BORON, CA 93516
Year:	2014
County Code:	36
Air Basin:	MD
Facility ID:	174701638
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.31845146
Reactive Organic Gases Tons/Yr:	0.31845146

FOUR CORNERS ARCO AM/PM (Continued) **S118494401**

Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: FOUR CORNERS ARCO AM PM
Address: 5121 HIGHWAY 58
City,State,Zip: BORON, CA 93516
Year: 2015
County Code: 36
Air Basin: MD
Facility ID: 174701638
Air District Name: MOJ
SIC Code: 5541
Air District Name: MOJAVE DESERT AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.300974652
Reactive Organic Gases Tons/Yr: 0.300974652
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: FOUR CORNERS ARCO AM PM
Address: 5121 HIGHWAY 58
City,State,Zip: BORON, CA 93516
Year: 2016
County Code: 36
Air Basin: MD
Facility ID: 174701638
Air District Name: MOJ
SIC Code: 5541
Air District Name: MOJAVE DESERT AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.300974652
Reactive Organic Gases Tons/Yr: 0.300974652
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: FOUR CORNERS ARCO AM PM
Address: 5121 HIGHWAY 58
City,State,Zip: BORON, CA 93516
Year: 2017
County Code: 36
Air Basin: MD
Facility ID: 226801638
Air District Name: MOJ
SIC Code: 5541
Air District Name: MOJAVE DESERT AQMD
Community Health Air Pollution Info System: Not reported

FOUR CORNERS ARCO AM/PM (Continued) **S118494401**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.280003753
Reactive Organic Gases Tons/Yr:	0.280003753
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	FOUR CORNERS ARCO AM PM
Address:	5121 HIGHWAY 58
City,State,Zip:	BORON, CA 93516
Year:	2018
County Code:	36
Air Basin:	MD
Facility ID:	1638
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.251
Reactive Organic Gases Tons/Yr:	0.251
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	FOUR CORNERS ARCO AM PM
Address:	5121 HIGHWAY 58
City,State,Zip:	BORON, CA 93516
Year:	2019
County Code:	36
Air Basin:	MD
Facility ID:	1638
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.184
Reactive Organic Gases Tons/Yr:	0.184
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

CERS:

Name:	FOUR CORNERS ARCO AM/PM
Address:	5121 HIGHWAY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Site ID:	363649
CERS ID:	T10000008391
CERS Description:	Leaking Underground Storage Tank Cleanup Site

FOUR CORNERS ARCO AM/PM (Continued) **S118494401**

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	BRIAN GREY - LAHONTAN RWQCB (REGION 6T)
Entity Title:	Not reported
Affiliation Address:	2501 LAKE TAHOE BOULEVARD
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

T189 **FOUR CORNER ARCO AM PM** **EDR Hist Auto** **1021680300**
North **5121 E STATE HIGHWAY 58** **N/A**
1/8-1/4 **BORON, CA 93516**
0.149 mi.
788 ft. **Site 15 of 16 in cluster T**

Actual: EDR Hist Auto
2490 ft.

Focus Map:
54

Year:	Name:	Type:
2007	FOUR CORNER ARCO AM PM	Gasoline Service Stations
2008	FOUR CORNER ARCO AM PM	Gasoline Service Stations
2009	FOUR CORNER ARCO AM PM	Gasoline Service Stations
2010	FOUR CORNER ARCO AM PM	Gasoline Service Stations
2010	BP NORTH AMERICA	Gasoline Service Stations, NEC
2011	BP NORTH AMERICA	Gasoline Service Stations, NEC
2011	FOUR CORNER ARCO AM PM	Gasoline Service Stations
2012	BORON ARCO	Gasoline Service Stations, NEC
2012	FOUR CORNER ARCO AM PM	Gasoline Service Stations
2013	FOUR CORNER ARCO AM PM	Gasoline Service Stations
2014	KASSMA INC	Gasoline Service Stations

T190 **CHMIRS** **S118465824**
North **5121 HWY 58, ARCO AM PM** **N/A**
1/8-1/4 **KRAMER CORNER JUNCTION, CA 93516**
0.149 mi.
788 ft. **Site 16 of 16 in cluster T**

Actual: CHMIRS:
2490 ft.

Focus Map:
54

Name:	Not reported
Address:	5121 HWY 58, ARCO AM PM
City,State,Zip:	KRAMER CORNER JUNCTION, CA 93516
OES Incident Number:	15-6905
OES notification:	11/23/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

(Continued) **S118465824**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Service Station
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1100
Year:	2015
Agency:	KASSMA Inc
Incident Date:	10/20/2015
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Fuel - Gasoline, Unleaded
Quantity Released:	1,500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Contractor was drilling test holes and struck an underground line causing the release, material

(Continued) **S118465824**

flowed into the soil, RP is handling the containment and clean up.

U191 **PRIVATE RESIDENCE** **UST** **U004113241**
North **16634 BELLAIRE** **N/A**
1/8-1/4 **NORTH EDWARDS, CA**
0.167 mi.
881 ft. **Site 1 of 3 in cluster U**

Actual: KERN CO. UST:
2293 ft.

Name:	PRIVATE RESIDENCE
Address:	16634 BELLAIRE
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550068
Owner Name:	BLACKMAN, DAVID
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

Focus Map:
49

U192 **HAROLD W JOLLIFF** **HIST UST** **S118410949**
North **16634 BELAIRE AVE** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.167 mi.
881 ft. **Site 2 of 3 in cluster U**

Actual: HIST UST:
2293 ft.

Name:	HAROLD W JOLLIFF
Address:	16634 BELAIRE AVE
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	000249C6
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000249C6.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported

Focus Map:
49

HAROLD W JOLLIFF (Continued) **S118410949**

Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

U193 **HAROLD W JOLLIFF** **SWEEPS UST U001586551**
North **16634 BELLAIRE AVE** **HIST UST N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.167 mi.
881 ft. **Site 3 of 3 in cluster U**

Actual:
2293 ft.

Focus Map:
49

SWEEPS UST:

Name:	DAVID BLACKMAN
Address:	16634 BELLAIRE AVE
City:	NORTH EDWARDS
Status:	Not reported
Comp Number:	37255
Number:	Not reported
Board Of Equalization:	44-006202
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-037255-000001
Tank Status:	Not reported
Capacity:	500
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

HIST UST:

Name:	HAROLD W JOLLIFF
Address:	16634 BELLAIRE AVE
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000037255
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	8052772707
Owner Name:	HAROLD W JOLLIFF
Owner Address:	16634 BELAIRE AVE
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0001
Tank Num:	001
Container Num:	0001
Year Installed:	Not reported
Tank Capacity:	00000550

HAROLD W JOLLIFF (Continued) **U001586551**

Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

V194 **STERN WILLARD** **HIST UST** **U001586565**
North **16748 BELLAIRE** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.168 mi.
888 ft. **Site 1 of 2 in cluster V**

Actual:
2293 ft.

Focus Map:
49

HIST UST:
Name: STERN WILLARD
Address: 16748 BELLAIRE
City,State,Zip: NORTH EDWARDS, CA 93523
File Number: 000250CE
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000250CE.pdf
Region: STATE
Facility ID: 00000002826
Facility Type: Other
Other Type: HOME
Contact Name: Not reported
Telephone: 6197694417
Owner Name: STERN (NMN) WILLARD
Owner Address: 16748 BELLAIRE
Owner City,St,Zip: NORTH EDWARDS, CA 93523
Total Tanks: 0002

Tank Num: 001
Container Num: 1
Year Installed: 1972
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 1
Year Installed: 1970
Tank Capacity: 00000350
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: 12
Leak Detection: None

Click here for Geo Tracker PDF:

V195 **PRIVATE RESIDENCE** **UST** **U004113219**
North **16748 BELLAIRE** **N/A**
1/8-1/4 **NORTH EDWARDS, CA**
0.168 mi.
888 ft. **Site 2 of 2 in cluster V**

Actual:
2293 ft.

Focus Map:
49

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	16748 BELLAIRE
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550040
Owner Name:	WILLARD, STERN
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

W196 **WARREN J MEADER** **SWEEPS UST** **U001586570**
South **16827 MOUNTAIN VIEW** **HIST UST** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.169 mi.
891 ft. **Site 1 of 2 in cluster W**

Actual:
2305 ft.

Focus Map:
40

SWEEPS UST:

Name:	WAREEN J MEADER
Address:	16827 MOUNTAIN VIEW
City:	NORTH EDWARDS
Status:	Not reported
Comp Number:	7079
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-007079-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	LEADED
Number Of Tanks:	1

HIST UST:

Name:	WARREN J MEADER
Address:	16827 MOUNTAIN VIEW
City,State,Zip:	NORTH EDWARDS, CA 93523

WARREN J MEADER (Continued) **U001586570**

File Number:	00025399
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00025399.pdf
Region:	STATE
Facility ID:	00000007079
Facility Type:	Other
Other Type:	HOME
Contact Name:	Not reported
Telephone:	6197694315
Owner Name:	WARREN J MEADER
Owner Address:	16827 MOUNTAIN VIEW
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

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W197 **PRIVATE RESIDENCE** **UST** **U004113208**
South **16827 MOUNTAIN VIEW** **N/A**
1/8-1/4 **NORTH EDWARDS, CA**
0.169 mi.
891 ft. **Site 2 of 2 in cluster W**

Actual:
2305 ft.

Focus Map:
40

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	16827 MOUNTAIN VIEW
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550024
Owner Name:	MEADER, WARREN J.
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

198
North
1/8-1/4
0.173 mi.
913 ft.

Actual:
2304 ft.

Focus Map:
49

RON KOTLER
13201 GILBERT ST
EDWARDS, CA 93523

HAZNET
HWTS

S113779333
N/A

HAZNET:

Name:	RON KOTLER
Address:	13201 GILBERT ST
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93523
Contact:	RON KOTLER
Telephone:	7607690077
Mailing Name:	Not reported
Mailing Address:	13201 GILBERT ST
Year:	2012
Gepaid:	CAC002693136
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.6

Additional Info:

Year:	2012
Gen EPA ID:	CAC002693136
Shipment Date:	20120529
Creation Date:	5/28/2013 22:15:05
Receipt Date:	20120607
Manifest ID:	004631778FLE
Trans EPA ID:	CAL000160111
Trans Name:	ALLIANCE ENVIRONMENTAL GROUP
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.6
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	RON KOTLER
Address:	13201 GILBERT ST
Address 2:	Not reported

RON KOTLER (Continued) **S113779333**

City,State,Zip:	EDWARDS, CA 93523
EPA ID:	CAC002693136
Inactive Date:	11/06/2012
Create Date:	05/09/2012
Last Act Date:	05/09/2012
Mailing Name:	Not reported
Mailing Address:	13201 GILBERT ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EDWARDS, CA 935233431
Owner Name:	RON KOTLER
Owner Address:	13201 GILBERT ST
Owner Address 2:	Not reported
Owner City,State,Zip:	EDWARDS, CA 935233431
Contact Name:	RON KOTLER
Contact Address:	13201 GILBERT ST
Contact Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 935233431

X199 **BOLTHOUSE SOLAR** **NPDES S126354389**
SSE **9101 MENDIBURU ROAD** **CIWQS N/A**
1/8-1/4 **CALIFORNIA CITY, CA 93505**
0.182 mi.
961 ft. **Site 1 of 2 in cluster X**

Actual:
2355 ft.

Focus Map:
20

NPDES:

Name:	BOLTHOUSE SOLAR
Address:	9101 MENDIBURU ROAD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6B15C382528
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/08/2020
Operator Name:	BayWa renewable energy
Operator Address:	18575 Jamboree Road Suite 850
Operator City:	Irvine
Operator State:	California
Operator Zip:	92612

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active

BOLTHOUSE SOLAR (Continued) **S126354389**

Agency Number:	0
Region:	6B
Regulatory Measure ID:	494821
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B15C382528
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/20/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	BayWa renewable energy
Discharge Address:	17901 Von Karman Ave Suite 1050
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92614
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported

BOLTHOUSE SOLAR (Continued) **S126354389**

Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	BOLTHOUSE SOLAR
Address:	9101 MENDIBURU ROAD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	6B
Agency Number:	0
Regulatory Measure ID:	494821
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	6B15C382528
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/20/2018
Termination Date Of Regulatory Measure:	06/03/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	18575 Jamboree Road Suite 850
Discharge Name:	BayWa renewable energy
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92612
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	6B
Regulatory Measure ID:	494821
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B15C382528

BOLTHOUSE SOLAR (Continued) **S126354389**

Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	02/20/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	BayWa renewable energy
Discharge Address:	17901 Von Karman Ave Suite 1050
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92614
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported

BOLTHOUSE SOLAR (Continued) **S126354389**

Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	BOLTHOUSE SOLAR
Address:	9101 MENDIBURU ROAD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Agency:	BayWa renewable energy
Agency Address:	18575 Jamboree Road Suite 850, Irvine, CA 92612
Place/Project Type:	Construction - Utility: PV Electric Generating Facility
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C382528
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	02/20/2018
Termination Date:	06/03/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.140379
Longitude:	-117.969978

X200 **CALCITY SOLAR 1** **FINDS** **1026697585**
SSE **9101 MENDIBURU ROAD** **N/A**
1/8-1/4 **CALIFORNIA CITY, CA 93505**
0.182 mi.
961 ft. **Site 2 of 2 in cluster X**

Actual:
2355 ft.

FINDS:
Registry ID: 110070871139

Focus Map:
20

Click Here:

Environmental Interest/Information System:
ELECTRIC GENERATOR

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

201
ENE
1/8-1/4
0.206 mi.
1089 ft.

US DEPT HOUSING URBAN DEVELOPMENT
24157 CHAPPARREL AVE
BORON, CA 93516

HAZNET **S112897498**
HWTS **N/A**

Actual:
2396 ft.

Focus Map:
51

HAZNET:

Name:	US DEPT HOUSING URBAN DEVELOPMENT
Address:	24157 CHAPPARREL AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	YOLANDA CRUZ-HOUSING SPECIALIT
Telephone:	2094875000
Mailing Name:	Not reported
Mailing Address:	2135 FRESNO ST STE 100
Year:	1998
Gepaid:	CAC002106488
TSD EPA ID:	CAD028409019
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H01 - Transfer Station
Tons:	0.0442

Additional Info:

Year:	1998
Gen EPA ID:	CAC002106488
Shipment Date:	19981214
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981222
Manifest ID:	96648672
Trans EPA ID:	CAR000030825
Trans Name:	Not reported
Trans 2 EPA ID:	CAD983620402
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0442
Waste Quantity:	13
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	US DEPT HOUSING URBAN DEVELOPMENT
Address:	24157 CHAPPARREL AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC002106488

US DEPT HOUSING URBAN DEVELOPMENT (Continued) **S112897498**

Inactive Date:	10/25/2000
Create Date:	12/11/1998
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	2135 FRESNO ST STE 100
Mailing Address 2:	Not reported
Mailing City,State,Zip:	FRESNO, CA 937211718
Owner Name:	US DEPT HOUSING URBAN DEVEL
Owner Address:	2135 FRESNO ST STE 100
Owner Address 2:	Not reported
Owner City,State,Zip:	FRESNO, CA 937211718
Contact Name:	YOLANDA CRUZ-HOUSING SPECIALIT
Contact Address:	2135 FRESNO ST STE 100
Contact Address 2:	Not reported
City,State,Zip:	FRESNO, CA 937211718

Y202 **KRAMER POTASH PLANT** **FUDS** **1024903927**
ENE **N/A**
1/8-1/4 **BARSTOW, CA**
0.209 mi.
1101 ft. **Site 1 of 2 in cluster Y**

Actual:
2470 ft.

Focus Map:
54

FUDS:

EPA Region:	9
Installation ID:	CA99799FA00300
Congressional District Number:	8
Name:	KRAMER POTASH PLANT
FUDS Number:	J09CA7180
City:	BARSTOW
State:	CA
County:	SAN BERNARDINO
Object ID:	9486
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=54246
Eligibility:	Ineligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	N/A
Project Required:	No
Feature Description:	Not reported
Latitude:	34.994444440000002
Longitude:	-117.538888889999

Y203 **KRAMER POTASH PLANT** **ENVIROSTOR** **S107736552**
ENE **N/A**
1/8-1/4 **BARSTOW, CA**
0.213 mi.
1127 ft. **Site 2 of 2 in cluster Y**

Actual:
2470 ft.

Focus Map:
54

ENVIROSTOR:

Name:	KRAMER POTASH PLANT
Address:	Not reported
City,State,Zip:	BARSTOW, CA
Facility ID:	80000882
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	33
Senate:	16
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	34.99444
Longitude:	-117.5388
APN:	049219218
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	049219218
Alias Type:	APN
Alias Name:	CA99799FA00300
Alias Type:	Federal Facility ID
Alias Name:	J09CA7180
Alias Type:	INPR
Alias Name:	80000882
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	07/29/1998
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

KRAMER POTASH PLANT (Continued) **S107736552**

Schedule Revised Date: Not reported

204
East
1/8-1/4
0.222 mi.
1170 ft.

PG&E 2015 GAS TRANSMISSION PROGRAM LAHONTAN REGION **NPDES S117846800**
SR 58 CLAYMINE ROAD TO CALIFORNIA BLVD **CIWQS N/A**
EDWARDS, CA 93523

Actual:
2322 ft.

Focus Map:
48

NPDES:

Name:	PG&E 2015 GAS TRANSMISSION PROGRAM LAHONTAN REGION
Address:	SR 58 CLAYMINE ROAD TO CALIFORNIA BLVD
City,State,Zip:	EDWARDS, CA 93523
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6B15C373072
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	04/17/2017
Operator Name:	Pacific Gas and Electric Company
Operator Address:	3401 Crow Canyon Road
Operator City:	San Ramon
Operator State:	California
Operator Zip:	94583

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	6B
Regulatory Measure ID:	454827
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	6B15C373072
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/13/2017
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported

PG&E 2015 GAS TRANSMISSION PROGRAM LAHONTAN REGION (Continued) **S117846800**

Discharge Zip:	Not reported
Received Date:	05/14/2015
Processed Date:	06/02/2015
Status:	Terminated
Status Date:	04/17/2017
Place Size:	20.95
Place Size Unit:	Acres
Contact:	Adam OConnor
Contact Title:	Not reported
Contact Phone:	925-328-5017
Contact Phone Ext:	Not reported
Contact Email:	axor@pge.com
Operator Name:	Pacific Gas and Electric Company
Operator Address:	3401 Crow Canyon Road
Operator City:	San Ramon
Operator State:	California
Operator Zip:	94583
Operator Contact:	Daniel Sanchez
Operator Contact Title:	Not reported
Operator Contact Phone:	415-283-7043
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	d2sy@pge.com
Operator Type:	Private Business
Developer:	Pacific Gas and Electric Company
Developer Address:	6111 Bollinger Canyon Road
Developer City:	San Ramon
Developer State:	California
Developer Zip:	94583
Developer Contact:	Adam OConnor
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Y
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N
Constype Commertial Ind:	N
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Daniel Sanchez
Certifier Title:	HazMat and Water Quality Manager
Certification Date:	14-MAY-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

PG&E 2015 GAS TRANSMISSION PROGRAM LAHONTAN REGION (Continued) **S117846800**

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	6B
Regulatory Measure ID:	454827
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B15C373072
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/02/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	04/13/2017
Discharge Name:	Pacific Gas and Electric Company
Discharge Address:	3401 Crow Canyon Road
Discharge City:	San Ramon
Discharge State:	California
Discharge Zip:	94583
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported

PG&E 2015 GAS TRANSMISSION PROGRAM LAHONTAN REGION (Continued) **S117846800**

Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	PG&E 2015 GAS TRANSMISSION PROGRAM LAHONTAN REGION
Address:	SR 58 CLAYMINE ROAD TO CALIFORNIA BLVD
City,State,Zip:	EDWARDS, CA 93523
Agency:	Pacific Gas and Electric Company
Agency Address:	3401 Crow Canyon Road, San Ramon, CA 94583
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C373072
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	06/02/2015
Termination Date:	04/13/2017
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.009085
Longitude:	-117.877229

Z205 **HILLMANN'S HARDWARE** **UST** **U004113212**
South **13700 GULF ST** **N/A**
1/8-1/4 **NORTH EDWARDS, CA**
0.227 mi.
1198 ft. **Site 1 of 2 in cluster Z**

Actual:
2312 ft.

Focus Map:
40

KERN CO. UST:

Name:	HILLMANN'S HARDWARE
Address:	13700 GULF ST
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550029
Owner Name:	HILLMANN, HARRY
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

Z206 **HILLMANN HARDWARE** **SWEEPS UST** **U001586552**
South **13700 GUL ST** **HIST UST** **N/A**
1/8-1/4 **NORTH EDWARDS, CA 93523**
0.227 mi.
1198 ft. **Site 2 of 2 in cluster Z**

Actual:
2312 ft.

Focus Map:
40

SWEEPS UST:

Name:	HILLMANN HARDWARE
Address:	13700 GULF ST
City:	NORTH EDWARDS
Status:	Not reported
Comp Number:	12517
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-012517-000001
Tank Status:	Not reported
Capacity:	550
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

HIST UST:

Name:	HILLMANN HARDWARE
Address:	13700 GUL ST
City,State,Zip:	NORTH EDWARDS, CA 93523

HILLMANN HARDWARE (Continued) **U001586552**

File Number:	000249C8
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000249C8.pdf
Region:	STATE
Facility ID:	00000012517
Facility Type:	Other
Other Type:	Not reported
Contact Name:	OWNER HARRY HILLMANN
Telephone:	6197694440
Owner Name:	HARRY R. HILLMANN HILLMAN HARD
Owner Address:	13700 GULF ST - P.O. BOX 872
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0001
Tank Num:	001
Container Num:	HH1
Year Installed:	1971
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:

---

207 East 1/8-1/4 0.232 mi. 1224 ft. **EDWARDS AIR FORCE BASE - 5 - AOC 203** **MCS** **S110168434 N/A**

EDWARDS AFB, CA 93524

Actual: 2319 ft.

Focus Map: 48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 203
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100115300
Latitude:	34.99973
Longitude:	-117.8770
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 318
LOC Case Number:	100052 -- 318
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100115300
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AA208 **US BORAX AND CHEMICAL CORPORATION** **ENVIROSTOR** **S100714220**
East **HIGHWAY 58** **N/A**
1/8-1/4 **BORON, CA 93516**
0.242 mi.
1278 ft. **Site 1 of 2 in cluster AA**

Actual:
2392 ft.

Focus Map:
51

ENVIROSTOR:

Name:	US BORAX AND CHEMICAL CORPORATION
Address:	HIGHWAY 58
City,State,Zip:	BORON, CA 93516
Facility ID:	15280001
Status:	Refer: RCRA
Status Date:	01/16/1990
Site Code:	401254
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Referred - Not Assigned
Division Branch:	Cleanup Sacramento
Assembly:	Not reported
Senate:	Not reported
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	0
Longitude:	0
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* UNSPECIFIED AQUEOUS SOLUTION
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	US BORAX, INC.
Alias Type:	Alternate Name
Alias Name:	CAD008323255
Alias Type:	EPA Identification Number
Alias Name:	L10001386878
Alias Type:	GeoTracker Global ID
Alias Name:	L10005585471
Alias Type:	GeoTracker Global ID
Alias Name:	SL206073825
Alias Type:	GeoTracker Global ID
Alias Name:	T060292419
Alias Type:	GeoTracker Global ID
Alias Name:	CAD008323255
Alias Type:	HWTS Identification Code
Alias Name:	401254
Alias Type:	Project Code (Site Code)
Alias Name:	15280001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	01/16/1990

US BORAX AND CHEMICAL CORPORATION (Continued) **S100714220**

Comments: Site Screening Done: Hazardous Waste Permit issued to facility, therefore, Resource Conservation and Recovery Act (RCRA) lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 02/08/1979
Comments: FACILITY IDENTIFIED VIA RECORD SEARCH.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AA209
East
1/8-1/4
0.242 mi.
1278 ft.

US BORAX, 6 NEW PONDS, PNDS A-E AND PONDS 4-6 / BORAX ROAD
BORON, CA

Site 2 of 2 in cluster AA

Toxic Pits **S100925133** **N/A**

Actual:
2392 ft.

Focus Map:
51

TOXIC PITS:
Region: 06
Task #: 06001
Owner: U.S. BORAX & CHEMICAL CORP.
1/2 Mi Limit: Y
Num. of Pits: 10
Cease Discharge Due: / /
Cease Discharge Complete: 08/14/89
Closure Due: 06/01/90
Closure Completed: / /
Status: ACTIVE
Hydro Geological Assessment Report Due: / /
Final Hydro Geological Assessment Review Completed: 12/15/88

210
West
1/8-1/4
0.244 mi.
1286 ft.

KOHLER

EDWARDS, CA 93523

MINES MRDS **1025667734** **N/A**

Actual:
2385 ft.

Focus Map:
42

MINES MRDS:
Name: KOHLER
Address: Not reported
Deposit identification Number: 10188211
City,State,Zip: EDWARDS, CALIFORNIA 93523
URL: https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10188211
MRDS Identification Number: Not reported
MAS/MILS Identification Number: 0060291043
Region: NA
Country: United States
Primary Commodities: Boron-Borates

KOHLER (Continued) **1025667734**

Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Unknown
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Ridenour, James
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.0394
Longitude:	-117.74369

---

211 North 1/4-1/2 0.257 mi. 1356 ft.

MOJAVE COGENERATION II
BORAX RD 3/4 MI N OF HWY 58
BORON, CA 93516

RCRA-SQG **1000819838**
CAD983658519

Actual: 2393 ft.

Focus Map: 51

RCRA-SQG:

Date Form Received by Agency:		20160404
Handler Name:	MOJAVE COGENERATION II	
Handler Address:		BORAX RD 3/4 MI N OF HWY 58
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAD983658519
Contact Name:		DR. TED D GUTH
Contact Address:		EL CANTO
Contact City,State,Zip:		SPRING VALLEY, CA 91977
Contact Telephone:		619-987-1111
Contact Fax:		619-670-3157
Contact Email:		DRTEDGUTH@AOL.COM
Contact Title:		ENVIRONMENTAL MANAGER
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported

MOJAVE COGENERATION II (Continued) **1000819838**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	MAIN ST STE 200
Mailing City,State,Zip:	PARK RIDGE, IL 60068
Owner Name:	LAKESHORE MOJAVE LLC
Owner Type:	Private
Operator Name:	LAKESHORE MOJAVE LLC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

MOJAVE COGENERATION II (Continued) **1000819838**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20160428
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	P115
Waste Description:	SULFURIC ACID, DITHALLIUM (1+) SALT (OR) THALLIUM(I) SULFATE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	EIF MOJAVE LLC
Legal Status:	Private
Date Became Current:	20100701
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 1090
Owner/Operator City,State,Zip:	BORON, CA 93596
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	MOJAVE COGENERATION CO LP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4400 ALAFAYA TRAIL MC504
Owner/Operator City,State,Zip:	ORLANDO, FL 32826-2399
Owner/Operator Telephone:	407-281-3485
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	LAKESHORE MOJAVE LLC
Legal Status:	Private
Date Became Current:	20100101
Date Ended Current:	Not reported
Owner/Operator Address:	102 MAIN ST STE 200
Owner/Operator City,State,Zip:	PARK RIDGE, IL 60068
Owner/Operator Telephone:	847-514-1024
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

MOJAVE COGENERATION II (Continued) **1000819838**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DELTA POWER SERVICE
Legal Status: Private
Date Became Current: 20050817
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: LAKESHORE MOJAVE LLC
Legal Status: Private
Date Became Current: 20100101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19930128
Handler Name: MOJAVE COGENERATION CO
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20100624
Handler Name: MOJAVE COGENERATION II
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160404
Handler Name: MOJAVE COGENERATION II
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported

MOJAVE COGENERATION II (Continued) **1000819838**

Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 221112
NAICS Description: FOSSIL FUEL ELECTRIC POWER GENERATION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

212
North
1/4-1/2
0.258 mi.
1360 ft.

Actual:
2295 ft.

Focus Map:
49

HOLLAND PROPERTY
16726 ALEXANDER AVE
NORTH EDWARDS, CA 93523

UST **U004111352**
N/A

KERN CO. UST:
Name: HOLLAND PROPERTY
Address: 16726 ALEXANDER AVE
City: NORTH EDWARDS
Region: Kern
Facility ID: FA0003680
CERSID: Not reported
Owner Id: Not reported
Owner Name: Not reported

Tank Num: 550079
Tank Capacity: 560
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: Not reported
Install Date: 01/01/1970
Date of Closure: 01/30/1998
Billing Status: Inactive, non-billable
Mailing Address: 16726 ALEXANDER AVE
Mailing Address (care of): Not reported
Mailing City/State/Zip: NORTH EDWARDS, CA 93523

213
ENE
1/4-1/2
0.258 mi.
1364 ft.

RHO COLEMANITE DEPOSIT
RIDGECREST, CA 93555

MINES MRDS **1025758459**
N/A

Actual:
2472 ft.

Focus Map:
54

MINES MRDS:

Name:	RHO COLEMANITE DEPOSIT
Address:	Not reported
Deposit identification Number:	10286469
City,State,Zip:	RIDGECREST, CALIFORNIA 93555
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10286469
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060713102
Region:	NA
Country:	United States
Primary Commodities:	Boron-Borates
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Ridenour, James
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.0156
Longitude:	-117.54369

AB214 **PRIVATE RESIDENCE** **UST** **U004113199**
North **13319 LAMEL** **N/A**
1/4-1/2 **NORTH EDWARDS, CA**
0.263 mi.
1388 ft. **Site 1 of 2 in cluster AB**

Actual:
2293 ft.

Focus Map:
49

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	13319 LAMEL
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550011
Owner Name:	WALTER, WAYNE A.
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

AB215 **WAYNE WALTER** **SWEEPS UST** **U001586571**
North **13319 LAMEL** **HIST UST** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.263 mi.
1388 ft. **Site 2 of 2 in cluster AB**

Actual:
2293 ft.

Focus Map:
49

SWEEPS UST:

Name:	WAYNE WALTER
Address:	13319 LAMEL
City:	NORTH EDWARDS
Status:	Not reported
Comp Number:	12737
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-012737-000001
Tank Status:	Not reported
Capacity:	250
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

HIST UST:

Name:	WAYNE WALTER
Address:	13319 LAMEL
City,State,Zip:	NORTH EDWARDS, CA 93523

WAYNE WALTER (Continued) **U001586571**

File Number:	000253AA
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000253AA.pdf
Region:	STATE
Facility ID:	00000012737
Facility Type:	Other
Other Type:	HOME USE
Contact Name:	Not reported
Telephone:	6197694305
Owner Name:	WAYNE WALTER
Owner Address:	13319 LAMEL
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	77
Tank Capacity:	00000250
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	None

Click here for Geo Tracker PDF:

216
ENE
1/4-1/2
0.263 mi.
1391 ft.

KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BAT
5955 SALTON RD
BORON, CA 93516

NPDES **S121451982**
San Bern. Co. Permit **N/A**
CIWQS
CERS

Actual:
2466 ft.

Focus Map:
54

NPDES:

Name:	KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT
Address:	5955 SALTON RD
City,State,Zip:	BORON, CA 93516
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6B36I027648
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/28/2020
Operator Name:	Kiewit Infrastructure West Company
Operator Address:	5955 Salton Rd
Operator City:	Boron

KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT (Continued) **S121451982**

Operator State:	California
Operator Zip:	93516

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	6B
Regulatory Measure ID:	494818
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B36I027648
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/12/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Kiewit Infrastructure West Company
Discharge Address:	5955 Salton Rd
Discharge City:	Boron
Discharge State:	California
Discharge Zip:	93516
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported

KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT (Continued) **S121451982**

Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT
Address:	5955 SALTON RD
City,State,Zip:	BORON, CA 93516
Facility Status:	Terminated
NPDES Number:	CAS000001
Region:	6B
Agency Number:	0
Regulatory Measure ID:	494818
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	6B36I027648
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/12/2018
Termination Date Of Regulatory Measure:	07/14/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	5955 Salton Rd
Discharge Name:	Kiewit Infrastructure West Company
Discharge City:	Boron
Discharge State:	California
Discharge Zip:	93516
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	6B

KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT (Continued) **S121451982**

Regulatory Measure ID:	494818
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B36I027648
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/12/2018
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Kiewit Infrastructure West Company
Discharge Address:	5955 Salton Rd
Discharge City:	Boron
Discharge State:	California
Discharge Zip:	93516
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported

KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT (Continued) **S121451982**

Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:

Name:	KRAMER JUNCTION
Address:	5955 SALTON RD
City,State,Zip:	BORON, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0017772
Owner:	Kiewit Infrastructure West Co
Permit Number:	PT0038481
Permit Category:	HAZARDOUS MATERIALS 4-10 CHEMICALS
Facility Status:	INACTIVE
Expiration Date:	05/31/2021

Name:	KRAMER JUNCTION
Address:	5955 SALTON RD
City,State,Zip:	BORON, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0017772
Owner:	Kiewit Infrastructure West Co
Permit Number:	PT0038685
Permit Category:	CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status:	INACTIVE
Expiration Date:	05/31/2021

Name:	KRAMER JUNCTION
Address:	5955 SALTON RD
City,State,Zip:	BORON, CA 93516
Region:	SAN BERNARDINO
Facility ID:	FA0017772
Owner:	Kiewit Infrastructure West Co
Permit Number:	PT0038686
Permit Category:	APSA 1,320-10,000 GAL FAC CAPACITY
Facility Status:	INACTIVE
Expiration Date:	05/31/2021

CIWQS:

Name:	KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT
Address:	5955 SALTON RD
City,State,Zip:	BORON, CA 93516
Agency:	Kiewit Infrastructure West Company
Agency Address:	5955 Salton Rd, Boron, CA 93516

KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT (Continued) **S121451982**

Place/Project Type:	Industrial - Ready-Mixed Concrete
SIC/NAICS:	3273
Region:	6V
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	6B36I027648
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	03/12/2018
Termination Date:	07/14/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.995675
Longitude:	-117.538228

CERS:

Name:	KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT
Address:	5955 SALTON RD
City,State,Zip:	BORON, CA 93516
Site ID:	535026
CERS ID:	861953
CERS Description:	Industrial Facility Storm Water

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Kiewit Infrastructure West Company
Entity Title:	Operator
Affiliation Address:	5955 Salton Rd
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported

AC217 **PISTOL RANGE** **UXO** **1024715734**
South **N/A**
1/4-1/2 **EDWARDS AFB, CA**
0.268 mi.
1413 ft. **Site 1 of 2 in cluster AC**

Actual:
2290 ft.

Focus Map:
49

UXO:

DoD Component:	Air Force
Installation Name:	EDWARDS AIR FORCE BASE
Name:	PISTOL RANGE
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA
Site ID:	AL501A
Site Type:	Air to Land
Latitude:	35.010000

PISTOL RANGE (Continued) **1024715734**

Longitude: -117.840000

AC218 **NORTH BASE ORDNANCE RANGE (NORTH AND SOUTH AREAS)** **UXO** **1024715745**
South **N/A**
1/4-1/2 **EDWARDS AFB, CA**
0.268 mi.
1413 ft. **Site 2 of 2 in cluster AC**

Actual:
2290 ft.

Focus Map:
49

UXO:

DoD Component:	Air Force
Installation Name:	EDWARDS AIR FORCE BASE
Name:	NORTH BASE ORDNANCE RANGE (NORTH AND SOUTH AREAS)
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA
Site ID:	AL502
Site Type:	Air to Land
Latitude:	35.010000
Longitude:	-117.840000

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219 **PATRICIA HARRALD** **HAZNET** **S118924560**
NE **24197 JOSHUA AVE** **HWTS** **N/A**
1/4-1/2 **BORON, CA 93516**
0.270 mi.
1424 ft.

Actual:
2397 ft.

Focus Map:
51

HAZNET:

Name:	PATRICIA HARRALD
Address:	24197 JOSHUA AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161320
Contact:	PATRICIA HARRALD
Telephone:	7607626302
Mailing Name:	Not reported
Mailing Address:	24197 JOSHUA AVE
Year:	2015
Gepaid:	CAC002823376
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.92

Additional Info:

Year:	2015
Gen EPA ID:	CAC002823376
Shipment Date:	20150802
Creation Date:	2/8/2016 22:17:41
Receipt Date:	20150805
Manifest ID:	013362408JJK
Trans EPA ID:	CAL000160111
Trans Name:	ALLIANCE ENVIRONMENTAL GROUP
Trans 2 EPA ID:	CAR000049064

PATRICIA HARRALD (Continued) **S118924560**

Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.92
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PATRICIA HARRALD
Address:	24197 JOSHUA AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161320
EPA ID:	CAC002823376
Inactive Date:	10/24/2015
Create Date:	07/24/2015
Last Act Date:	10/24/2015
Mailing Name:	Not reported
Mailing Address:	24197 JOSHUA AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935161320
Owner Name:	PATRICIA HARRALD
Owner Address:	24197 JOSHUA AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935161320
Contact Name:	PATRICIA HARRALD
Contact Address:	24197 JOSHUA AVE
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935161320

AD220 **SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION** **CERS HAZ WASTE** **S121309783**
East **6501 HIGHWAY 58A** **San Bern. Co. Permit** **N/A**
1/4-1/2 **BORON, CA 93516** **CERS**
0.284 mi.
1497 ft. **Site 1 of 82 in cluster AD**

Actual:
2392 ft.

Focus Map:
51

CERS HAZ WASTE:

Name:	SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION
Address:	6501 HIGHWAY 58A
City,State,Zip:	BORON, CA 93516
Site ID:	69699
CERS ID:	10151477
CERS Description:	Hazardous Waste Generator

San Bern. Co. Permit:

Name:	SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION
Address:	6501 HIGHWAY 58A

SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION (Continued) **S121309783**

City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0010724
Owner: SOUTHERN CALIFORNIA GAS COMPANY
Permit Number: PT0018406
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS
Facility Status: ACTIVE
Expiration Date: 12/31/2021

Name: SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION
Address: 6501 HIGHWAY 58A
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0010724
Owner: SOUTHERN CALIFORNIA GAS COMPANY
Permit Number: PT0040097
Permit Category: CONDITIONALLY EXEMPT SM QTY GENERATOR
Facility Status: ACTIVE
Expiration Date: 12/31/2021

Name: SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION
Address: 6501 HIGHWAY 58A
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0010724
Owner: SOUTHERN CALIFORNIA GAS COMPANY
Permit Number: PT0040098
Permit Category: HAZARDOUS WASTE CONSOLIDATION (NB)
Facility Status: ACTIVE
Expiration Date: 12/31/2020

CERS:
Name: SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION
Address: 6501 HIGHWAY 58A
City,State,Zip: BORON, CA 93516
Site ID: 69699
CERS ID: 10151477
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-29-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: inspection
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION (Continued) **S121309783**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-05-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-01-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Annie Ho
Entity Title: Not reported
Affiliation Address: PO Box 2300, M/L SC9314
Affiliation City: Chatsworth
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91313
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Cayla Beeman
Entity Title: District Operations Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Southern California Gas Company
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Mariza Arnot
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported

SOUTHERN CALIFORNIA GAS COMPANY: KRAMER JUNCTION (Continued) **S121309783**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Southern California Gas Company
Entity Title:	Not reported
Affiliation Address:	P O Box 2300, M/L SC9314
Affiliation City:	Chatsworth
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91313-2300
Affiliation Phone:	(760) 243-6502
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	P O Box 2300, M/L SC9314
Affiliation City:	Chatsworth
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91313-2300
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	SO CA GAS - Kramer Junction
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 243-6502

AE221 **CALIFORNIA CITY CANNABIS COMPANY** **NPDES** **S123302231**
South **9650 DENHART AVE** **CERS** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA 36301**
0.286 mi.
1512 ft. **Site 1 of 2 in cluster AE**

Actual:
2341 ft.

Focus Map:
20

NPDES:

Name:	CALIFORNIA CITY CANNABIS COMPANY
Address:	9650 DENHART AVE
City,State,Zip:	CALIFORNIA CITY, CA 36301
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported

CALIFORNIA CITY CANNABIS COMPANY (Continued) **S123302231**

Place ID:	Not reported
Order Number:	Not reported
WDID:	6B15C385683
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	01/08/2019
Operator Name:	California City Cannabis
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

Name:	CALIFORNIA CITY CANNABIS COMPANY
Address:	9650 DENHART AVE
City,State,Zip:	CALIFORNIA CITY, CA 36301
Facility Status:	Active
NPDES Number:	CAS000002
Region:	6B
Agency Number:	0
Regulatory Measure ID:	504392
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	6B15C385683
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/08/2019
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	112 3 Club Lane
Discharge Name:	California City Cannabis
Discharge City:	Dothan
Discharge State:	Alabama
Discharge Zip:	36301
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CERS:

Name:	CALIFORNIA CITY CANNABIS COMPANY
Address:	9650 DENHART AVE
City,State,Zip:	CALIFORNIA CITY, CA 36301
Site ID:	528317

CALIFORNIA CITY CANNABIS COMPANY (Continued) **S123302231**

CERS ID: 869206
CERS Description: Construction Storm Water

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: California City Cannabis
Entity Title: Operator
Affiliation Address: 112 3 Club Lane
Affiliation City: Dothan
Affiliation State: AL
Affiliation Country: Not reported
Affiliation Zip: 36301
Affiliation Phone: Not reported

AE222 **CALIFORNIA CITY CANNABIS COMPANY** **CIWQS** **S123404706**
South **9650 DENHART AVE 112 3 CLUB LANE** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA 36301**
0.286 mi.
1512 ft. **Site 2 of 2 in cluster AE**

Actual:
2341 ft.

Focus Map:
20

CIWQS:
Name: CALIFORNIA CITY CANNABIS COMPANY
Address: 9650 DENHART AVE 112 3 CLUB LANE
City,State,Zip: CALIFORNIA CITY, CA 36301
Agency: California City Cannabis
Agency Address: 112 3 Club Lane, Dothan, AL 36301
Place/Project Type: Construction - Commercial
SIC/NAICS: Not reported
Region: 6V
Program: CONSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 6B15C385683
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 01/08/2019
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 35.14664
Longitude: -117.99129

AD223 **U. S. BORAX PLANT** **RGA LUST** **S114708147**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 2 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

RGA LUST:
Name: U. S. BORAX PLANT
Address: 14486 BORAX RD
City: BORON
State: BORON
1993 U. S. BORAX PLANT 14486 BORAX RD

AD224 **ERNS** **2005766206**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 3 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

AD225 **ERNS** **2006816307**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 4 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

AD226 **CHS INDUSTRIAL** **EMI** **S124454944**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 5 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

EMI:

Name:	CHS INDUSTRIAL
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	366001
Air District Name:	KER
SIC Code:	7699
Air District Name:	EASTERN KERN APCD

CHS INDUSTRIAL (Continued) **S124454944**

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.045167899829
Reactive Organic Gases Tons/Yr:	0.03968
Carbon Monoxide Emissions Tons/Yr:	0.73414
NOX - Oxides of Nitrogen Tons/Yr:	0.55557
SOX - Oxides of Sulphur Tons/Yr:	0.00097
Particulate Matter Tons/Yr:	0.030491803279
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.02976

AD227 **CHMIRS** **S118739175**
East **14486 BORAX RD.** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 6 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

CHMIRS:

Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	16-2771
OES notification:	05/10/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported

(Continued) **S118739175**

Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1415
Year:	2016
Agency:	US Borax
Incident Date:	05/09/2016
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sulfuric Acid
Quantity Released:	400
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	2
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	Yes
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states, "As tankcar, TILX101154, was being drained of its contents, a mechanical malfunction occurred which caused the release of 400 gallons of sulfuric acid. No waterways were impacted by the release. Two personnel were evacuated from the immediate a

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AD228 **MOJAVE COGENERATION COMPANY LP** **HAZNET** **S123816788**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 7 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

HAZNET:

Name:	MOJAVE COGENERATION COMPANY LP
Address:	14486 BORAX RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935162000
Contact:	ALLEN HESS, PLANT MANAGER
Telephone:	7607625350
Mailing Name:	Not reported
Mailing Address:	PO BOX 1090
Year:	2010
Gepaid:	CAD983658519
TSD EPA ID:	ARD981057870
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	-

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Tons:	0.05
Year:	2009
Gepaid:	CAD983658519
TSD EPA ID:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.1
Year:	2009
Gepaid:	CAD983658519
TSD EPA ID:	Not reported
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.1
Year:	2009
Gepaid:	CAD983658519
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.05
Year:	2008
Gepaid:	CAD983658519
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.2
Year:	2007
Gepaid:	CAD983658519
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.05
Year:	2007
Gepaid:	CAD983658519
TSD EPA ID:	NVT330010000
CA Waste Code:	-
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.05
Year:	2006
Gepaid:	CAD983658519
TSD EPA ID:	NVT330010000
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H01 - Transfer Station
Tons:	0.075

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Year:	2006
Gepaid:	CAD983658519
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	0.1

Year:	2005
Gepaid:	CAD983658519
TSD EPA ID:	CAD050806850
CA Waste Code:	791 - Liquids with pH <= 2
Disposal Method:	H01 - Transfer Station
Tons:	0.125

Click this hyperlink while viewing on your computer to access
17 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	1997
Gen EPA ID:	CAD983658519
Shipment Date:	19970522
Creation Date:	7/17/1997 0:00:00
Receipt Date:	19970523
Manifest ID:	92868575
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD983658519
Shipment Date:	20020516
Creation Date:	7/19/2002 15:54:46
Receipt Date:	20020517
Manifest ID:	95837767
Trans EPA ID:	CAR000056630
Trans Name:	Not reported

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020306
Creation Date:	5/19/2003 18:31:05
Receipt Date:	20030207
Manifest ID:	95837783
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD983658519

Shipment Date:	19990729
Creation Date:	10/12/1999 0:00:00
Receipt Date:	19990730
Manifest ID:	95837691
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990415
Creation Date:	6/10/1999 0:00:00
Receipt Date:	19990416
Manifest ID:	95837684
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD983658519
Shipment Date:	20030424
Creation Date:	9/2/2003 18:30:58
Receipt Date:	20030425
Manifest ID:	95837791
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD983658519
Shipment Date:	20000822
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000824
Manifest ID:	95837721
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000615
Creation Date:	8/28/2000 0:00:00
Receipt Date:	20000616
Manifest ID:	95837713
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	7.506
Waste Quantity:	1800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD983658519
Shipment Date:	20010809
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010809
Manifest ID:	95837739
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD983658519
Shipment Date:	19950309
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950310
Manifest ID:	92835037
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD983658519
Shipment Date:	20100617
Creation Date:	1/27/2011 18:30:16
Receipt Date:	20100629
Manifest ID:	000250827FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMES EXPRESS INC
Trans 2 EPA ID:	CAR000179387
Trans 2 Name:	ENV ENVIRONMENTAL
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD983658519
Shipment Date:	19980730
Creation Date:	9/15/1998 0:00:00
Receipt Date:	19980730
Manifest ID:	92868587
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980416
Creation Date:	7/15/1998 0:00:00
Receipt Date:	19980416
Manifest ID:	92868580
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980319
Creation Date:	5/8/1998 0:00:00
Receipt Date:	19980319
Manifest ID:	92868576
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD983658519
Shipment Date:	20060525
Creation Date:	12/20/2006 18:30:06

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Receipt Date:	20060525
Manifest ID:	95837876
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060306
Creation Date:	7/27/2006 18:34:20
Receipt Date:	20060307
Manifest ID:	95837869
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060306
Creation Date:	7/27/2006 18:34:20
Receipt Date:	20060307
Manifest ID:	95837869
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD983658519
Shipment Date:	20081105
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081105
Manifest ID:	000250758FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080512
Creation Date:	10/8/2008 18:30:08
Receipt Date:	20080513
Manifest ID:	000250747FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD983658519
Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051229
Manifest ID:	95837863
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051229
Manifest ID:	95837863
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051010
Creation Date:	5/24/2006 18:31:13
Receipt Date:	20051010
Manifest ID:	95837858
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SVCS
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050728
Creation Date:	1/18/2006 10:22:44
Receipt Date:	20050728
Manifest ID:	95837856
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050616
Creation Date:	9/15/2005 18:32:02
Receipt Date:	20050617
Manifest ID:	95837853

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050519
Creation Date:	9/13/2005 18:30:54
Receipt Date:	20050520
Manifest ID:	95837848
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NON
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050309
Creation Date:	5/29/2005 18:30:53
Receipt Date:	20050310
Manifest ID:	95837828
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

RCRA Code:	NON
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD983658519
Shipment Date:	19940908
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940908
Manifest ID:	92835020
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD983658519
Shipment Date:	20090831
Creation Date:	3/5/2010 18:30:38
Receipt Date:	20090831
Manifest ID:	000250799FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090521
Creation Date:	9/25/2009 18:30:08
Receipt Date:	20090521
Manifest ID:	000250791FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD983658519
Shipment Date:	20041216
Creation Date:	3/13/2007 18:30:42
Receipt Date:	20041216
Manifest ID:	95837842
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NON
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041027
Creation Date:	1/14/2005 10:18:48
Receipt Date:	20041027
Manifest ID:	95837822
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040806
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040806
Manifest ID:	95837816
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NON
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040325

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Creation Date:	8/23/2004 8:48:57
Receipt Date:	20040326
Manifest ID:	95837811
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040127
Creation Date:	8/19/2004 11:23:00
Receipt Date:	20040127
Manifest ID:	95837804
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD983658519

Shipment Date:	20071119
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071120
Manifest ID:	000250738FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070516
Creation Date:	12/20/2007 18:30:27
Receipt Date:	20070517
Manifest ID:	000250732FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD983658519

Shipment Date:	19960731
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960731
Manifest ID:	92868566
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960308
Creation Date:	10/4/1996 0:00:00
Receipt Date:	19960308
Manifest ID:	92868554
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960222
Creation Date:	10/16/1996 0:00:00
Receipt Date:	19960222
Manifest ID:	96206010
Trans EPA ID:	CAD009466392
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.834
Waste Quantity:	200
Quantity Unit:	G

MOJAVE COGENERATION COMPANY LP (Continued) **S123816788**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

AD229 **CHS INDUSTRIAL** **EMI** **S124454945**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 8 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

EMI:

Name:	CHS INDUSTRIAL
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	366002
Air District Name:	KER
SIC Code:	7699
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.11293113261
Reactive Organic Gases Tons/Yr:	0.09921
Carbon Monoxide Emissions Tons/Yr:	1.28971
NOX - Oxides of Nitrogen Tons/Yr:	1.38892
SOX - Oxides of Sulphur Tons/Yr:	0.00253
Particulate Matter Tons/Yr:	0.076239754098
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.07441

AD230 **ERNS** **2004737978**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 9 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

AD231 **ERNS** **2008863030**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 10 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD232 **ERNS** **2008866030**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 11 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD233 **RIO TINTO MINE** **ABANDONED MINES** **1025501156**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 12 of 82 in cluster AD**

Actual:
2397 ft.

ABANDONED MINES:

Focus Map:
51

Mine ID:	0405925
Mine Name:	RIO TINTO MINE
Mine Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Primary SIC Code:	Construction Sand and Gravel
Mine Type:	Surface
Mine Status Description:	Abandoned
Mine Status Date:	2019-06-21 00:00:00
Coal (C) or Metal (M) Mine:	M
Controller ID:	M00360
Controller Name:	Peter Kiewit Sons' Inc
Operator ID:	L07354
Operator name:	Kiewit
Address of Record Street:	5955 Salton Rd
Address of Record PO Box:	Not reported
Address of Record City:	Boron
Address of Record State:	CA
Address of Record Zip Code:	93516
Assessment Address Street:	5955 Salton Rd
Assessment Address PO Box:	Not reported
Assessment Address City:	BORON
Assessment Address State:	CA
Assessment Address Zip Code:	93516
Mine Health and Safety Address Street:	5955 Salton Rd

RIO TINTO MINE (Continued) **1025501156**

Mine Health and Safety Address PO Box: Not reported
Mine Health and Safety Address City: Boron
Mine Health and Safety Address State: CA
Mine Health and Safety Address Zip Code: Not reported
Latitude: Not reported
Longitude: Not reported

AD234 **ERNS** **2010952332**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 13 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD235 **ERNS** **2005749761**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 14 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD236 **ERNS** **2007855538**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 15 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD237 **ERNS** **2009913818**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 16 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD238 **U.S. BORAX INC-GANGUE/REFUSE WASTE PILE** **RGA LF** **S114733747**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 17 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

RGA LF:
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON

2012 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON

2011 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON

2010 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON

2009 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON

2008 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON

2007 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON

2006 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON

U.S. BORAX INC-GANGUE/REFUSE WASTE PILE (Continued) **S114733747**

2005 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2004 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2003 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2002 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2001 U.S. BORAX INC-GANGUE/REFUSE WASTE PILE 14486 BORAX ROAD

AD239 **US BORAX PLANT** **RGA LUST** **S114714982**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 18 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

RGA LUST:
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2012 US BORAX PLANT 14486 BORAX ROAD
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2011 US BORAX PLANT 14486 BORAX ROAD
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2010 US BORAX PLANT 14486 BORAX ROAD
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2009 US BORAX PLANT 14486 BORAX ROAD
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2008 US BORAX PLANT 14486 BORAX ROAD
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2007 US BORAX PLANT 14486 BORAX ROAD

US BORAX PLANT (Continued) **S114714982**

Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2006 US BORAX PLANT 14486 BORAX ROAD
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2005 US BORAX PLANT 14486 BORAX ROAD
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2003 US BORAX PLANT 14486 BORAX ROAD
Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2002 US BORAX PLANT 14486 BORAX ROAD

AD240 **U.S. BORAX INC/GANGUE REFUSE WASTE PILE** **RGA LF** **S114733749**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 19 of 82 in cluster AD**

Actual: **2397 ft.**
Focus Map: **51**

RGA LF:
Name: U.S. BORAX INC/GANGUE REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON
2000 U.S. BORAX INC/GANGUE REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC/GANGUE REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON
1999 U.S. BORAX INC/GANGUE REFUSE WASTE PILE 14486 BORAX ROAD
Name: U.S. BORAX INC/GANGUE REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City: BORON
State: BORON
1998 U.S. BORAX INC/GANGUE REFUSE WASTE PILE 14486 BORAX ROAD

AD241 **CHMIRS** **S118737097**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 20 of 82 in cluster AD**

Actual: **2397 ft.**
Focus Map: **51**

CHMIRS:
Name: Not reported
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
OES Incident Number: 16-0544
OES notification: 01/25/2016
OES Date: Not reported

(Continued) **S118737097**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	930
Year:	2016
Agency:	US Borax
Incident Date:	01/14/2016
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Borax Decahydrate
Quantity Released:	700
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No

(Continued) **S118737097**

#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP States a computer outage caused tank 301 to overflow into an underlying concrete slab and nearby pavement and surface drains acting as secondary containments. The release has been contained and cleaned up.

AD242 **CHMIRS** **S118189480**
East **14486 BORAX RD.** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 21 of 82 in cluster AD**

Actual: CHMIRS:
2397 ft.

Focus Map:
51

Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	15-4082
OES notification:	07/17/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Oil Field
Cleanup By:	Unknown
Containment:	Not reported

(Continued) **S118189480**

What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	930
Year:	2015
Agency:	NRC
Incident Date:	07/17/2015
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per the NRC Report: Caller is reporting a 100 gallon release of hydraulic oil from a drill and blast rig, the cause was due to a burst line.

AD243 **CHMIRS** **S118465782**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 22 of 82 in cluster AD**

Actual: CHMIRS:
2397 ft.

Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	15-6863
OES notification:	11/20/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

Focus Map:
51

(Continued) **S118465782**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	ORR- mine tailings
Date/Time:	900
Year:	2015
Agency:	US Borax
Incident Date:	11/20/2015
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Process liquor
Quantity Released:	200
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No

(Continued) **S118465782**

Comments: Not reported
Description: RP states: A power outage caused the tank valve to malfunction which resulted in the overflow of the reported substance. The release impacted the concrete slab and dirt road. Release is contained and clean has been completed. No water /waterways have been impacted.

AD244 **CHMIRS** **S118737616**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 23 of 82 in cluster AD**

Actual: CHMIRS:
2397 ft.
Name: Not reported
Focus Map: Address: 14486 BORAX RD
51 City,State,Zip: BORON, CA 93516
OES Incident Number: 16-1094
OES notification: 02/20/2016
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA DOT PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Industrial Plant
Cleanup By: Contractor
Containment: Not reported
What Happened: Not reported
Type: Not reported
Measure: Not reported
Other: Not reported
Type: PETROLEUM
Measure: Gal(s)

(Continued) **S118737616**

Other:	Not reported
Date/Time:	1200
Year:	2016
Agency:	US Borax
Incident Date:	02/20/2016
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	10
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that a loader was damaged resulted in the release of approx. 10 gal of hydraulic oil onto the ground. The release is contained, cleanup is complete, and no waterways were impacted.

AD245 **BORON MINE FACILITY (CHEMICAL PONDS A THROUGH E)** **CPS-SLIC** **S118189478**
East **14486 BORAX RD.** **CHMIRS** **N/A**
1/4-1/2 **BORON, CA 93516** **CERS**
0.287 mi.
1513 ft. **Site 24 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

CPS-SLIC:

Name:	BORON MINE FACILITY (CHEMICAL PONDS A THROUGH E)
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
Region:	STATE
Facility Status:	**Open - Remediation**
Status Date:	07/01/2001
Global Id:	SL206073825
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Lead Agency Case Number:	Not reported
Latitude:	35.0446841125128
Longitude:	-117.71764755249
Case Type:	Cleanup Program Site
Case Worker:	CG
Local Agency:	Not reported
RB Case Number:	SL206073825
File Location:	Regional Board
Potential Media Affected:	Not reported

BORON MINE FACILITY (CHEMICAL PONDS A THROUGH E) (Continued) **S118189478**

Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

CHMIRS:

Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	15-4080
OES notification:	07/17/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	930
Year:	2015
Agency:	Rio Tinto
Incident Date:	07/17/2015
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes

BORON MINE FACILITY (CHEMICAL PONDS A THROUGH E) (Continued) **S118189478**

Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	100
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states a hydraulic line failure on a drill and blast rig caused release on to a blast flat inside of a mine.

CERS:

Name:	BORON MINE FACILITY (CHEMICAL PONDS A THROUGH E)
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
Site ID:	244493
CERS ID:	SL206073825
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	CHRISTINA GUERRA - LAHONTAN RWQCB (REGION 6V)
Entity Title:	Not reported
Affiliation Address:	15095 Armagosa Road, Building 2, Suite 210
Affiliation City:	VICTORVILLE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	7602417333

AD246 **U S BORAX INC** **UST** **U004118148**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 25 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

KERN CO. UST:

Name:	U S BORAX INC
Address:	14486 BORAX ROAD
City:	BORON
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550010

U S BORAX INC (Continued) **U004118148**

Owner Name: U S BORAX INC

Tank Num: 1
Tank Capacity: 15000
Common Name: UNLEADED
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

Tank Num: 1
Tank Capacity: 15,000
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: 1
Install Date: 01/17/1992
Date of Closure: Not reported
Billing Status: Active, billable
Mailing Address: 14486 BORAX RD
Mailing Address (care of): Rio Tinto Borates, Boron Operations (U.S. Borax Inc.)
Mailing City/State/Zip: BORON, CA 93516

Tank Num: 550010
Tank Capacity: 3,000
Common Name: Not reported
Description: DIESEL
Number of Compartments: Not reported
Install Date: 01/17/1992
Date of Closure: 06/13/2001
Billing Status: Active, billable
Mailing Address: 14486 BORAX RD
Mailing Address (care of): Rio Tinto Borates, Boron Operations (U.S. Borax Inc.)
Mailing City/State/Zip: BORON, CA 93516

Tank Num: 550010
Tank Capacity: 3,000
Common Name: Not reported
Description: DIESEL
Number of Compartments: Not reported
Install Date: 01/17/1992
Date of Closure: 04/10/2001
Billing Status: Active, billable
Mailing Address: 14486 BORAX RD
Mailing Address (care of): Rio Tinto Borates, Boron Operations (U.S. Borax Inc.)
Mailing City/State/Zip: BORON, CA 93516

UST:
Name: U S BORAX INC
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516

U S BORAX INC (Continued) **U004118148**

Facility ID: Not reported
Permitting Agency: Kern County Environmental Health Services Department
Latitude: 35.035669
Longitude: -117.703194

Name: U S BORAX INC
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Facility ID: Not reported
Permitting Agency: Kern County Environmental Health Services Department
Latitude: 35.035669
Longitude: -117.703194

Name: U S BORAX INC
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Facility ID: Not reported
Permitting Agency: Kern County Environmental Health Service
Latitude: 35.035669
Longitude: -117.703194

AD247 **LAKE SHORE MOJAVE,LLC** **CERS** **S126140166**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 26 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

CERS:
Name: LAKE SHORE MOJAVE,LLC
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Site ID: 481338
CERS ID: 110017398145
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: ALLEN HESS
Entity Title: Not reported
Affiliation Address: POBOX 1090
Affiliation City: BORON
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: DR TED D GUTH
Entity Title: ENVIRONMENTAL MANAGER
Affiliation Address: 3850 EL CANTO
Affiliation City: SPRINGVALLEY
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

AD248 **14486 BORAX RD** **CIWQS** **S121613465**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 27 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

CIWQS:

Name:	14486 BORAX RD
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Agency:	US Borax Inc
Agency Address:	14486 Borax Road, Boron, CA 93516
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C308631
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	03/10/1998
Termination Date:	07/02/2010
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.004785
Longitude:	-117.703254

AD249 **AMES CONSTRUCTION INC RIO TINTO MINERALS** **HWTS** **S124905114**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 28 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

HWTS:

Name:	AMES CONSTRUCTION INC RIO TINTO MINERALS
Address:	14486 BORAX RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000406488
Inactive Date:	Not reported
Create Date:	04/30/2015
Last Act Date:	10/08/2020
Mailing Name:	AMANDA STRATTON
Mailing Address:	391 N MAIN ST STE 302
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CORONA, CA 928800000
Owner Name:	AMES CONSTRUCTION INC
Owner Address:	391 N MAIN ST STE 302
Owner Address 2:	Not reported
Owner City,State,Zip:	CORONA, CA 928800000
Contact Name:	AMANDA STRATTON
Contact Address:	391 N MAIN ST STE 302
Contact Address 2:	Not reported

AMES CONSTRUCTION INC RIO TINTO MINERALS (Continued) **S124905114**

City,State,Zip: CORONA, CA 92880

NAICS:

EPA ID:	CAL000406488
Create Date:	2015-04-30 10:12:32.950
NAICS Code:	23499
NAICS Description:	All Other Heavy Construction
Issued EPA ID Date:	2015-04-30 10:12:32.94000
Inactive Date:	Not reported
Facility Name:	AMES CONSTRUCTION INC RIO TINTO MINERALS
Facility Address:	14486 BORAX RD
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

AD250 **CHMIRS** **S116778028**
East **14486 BORAX RD.** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 29 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

CHMIRS:

Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	4-1472
OES notification:	03/10/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No

(Continued) **S116778028**

Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	600
Year:	2014
Agency:	US Borax
Incident Date:	3/10/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	"Processed Liquor" containing arsenic
Quantity Released:	1500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	RP states that a tank overflowed due to mechanical issues and eventually released 1500 gal of "Processed Liquor" containing a total 1.17 lbs of arsenic onto the ground. Release is contained and cleanup is complete and the soil will be excavated and no waterways were impacted. Per NRC#1076264 "CALLER STATED THAT THEY HAD A DISCHARGE OF PROCESSED LIQUOR OF 1,500 GALLONS ONTO THE SOIL. THE REASON FOR THE REPORT IS FOR THE REPORTABLE QUANTITY OF ARSENIC. THE CAUSE OF THE DISCHARGE IS FROM THE NEW HIGH LOW SENSORS THAT WERE INSTALLED. THE OPERATOR WAS UNABLE TO DETERMINE WHEN THE TANK WAS AT THE FULL CAPACITY AND A DISCHARGE OCCURRED AS A RESULT. THE TANK OVERFLOWED INTO ANOTHER TANK AND THEN INTO THE DITCH ON SITE. REMEDIAL ACTIONS: ON SITE VAC TRUCK WAS USED."

AD251 **CSW CONTRACTORS, INC.** **HWTS** **S124669137**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 30 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

HWTS:

Name:	CSW CONTRACTORS, INC.
Address:	14486 BORAX ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002949465
Inactive Date:	05/26/2018
Create Date:	02/21/2018
Last Act Date:	05/26/2018
Mailing Name:	Not reported
Mailing Address:	8901 E. MOUNTAIN VIEW ROAD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SCOTTSDALE, AZ 85258
Owner Name:	RIO TINTO MINERALS
Owner Address:	14486 BORAX ROAD
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	ANDREW CLARKE
Contact Address:	14486 BORAX ROAD
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

NAICS:

EPA ID:	CAC002949465
Create Date:	2018-02-21 11:13:46.030
NAICS Code:	425120
NAICS Description:	Wholesale Trade Agents and Brokers
Issued EPA ID Date:	2018-02-21 11:13:46.03000
Inactive Date:	2018-05-26 03:00:40.76300
Facility Name:	CSW CONTRACTORS, INC.
Facility Address:	14486 BORAX ROAD
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

EPA ID:	CAC002949465
Create Date:	2018-02-21 11:13:46.030
NAICS Code:	425120
NAICS Description:	Wholesale Trade Agents and Brokers
Issued EPA ID Date:	2018-02-21 11:13:46.03000
Inactive Date:	2018-05-26 03:00:40.76300
Facility Name:	CSW CONTRACTORS, INC.
Facility Address:	14486 BORAX ROAD
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

AD252 **CACHE VALLEY ELECTRIC** **CHMIRS** **S124637748**
East **14486 BORAX RD** **CUPA Listings** **N/A**
1/4-1/2 **BORON, CA 93516** **HAZNET**
0.287 mi. **HWTS**
1513 ft. **Site 31 of 82 in cluster AD**

Actual: **2397 ft.**

Focus Map: **51**

CHMIRS:

Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA
OES Incident Number:	21-1697
OES notification:	03/30/2021
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	Processed Water
Date/Time:	1030
Year:	2021
Agency:	NRC
Incident Date:	03/30/2021
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported

CACHE VALLEY ELECTRIC (Continued) **S124637748**

E Date:	Not reported
Substance:	Tailings Affluent
Quantity Released:	3000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Yes
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	CALLER IS REPORTING A SPILL OF TAILINGS AFFLUENT TO THE GROUND DUE TO A MECHANICAL FAILURE ON A FACILITY TRANSFER PIPELINE. CALLER STATED THE EIGHT INCH PVC PIPELINE IS USED TO TRANSFER MATERIALS BETWEEN PONDS. CALLER STATED SAMPLES WERE TAKEN TO CHECK FOR ARSENIC AND THE AREA HAS BEEN CORDON OFF. A VACUUM TRUCK WAS USED TO RETURN 1800 GALLONS OF THE MATERIALS TO THE POND.
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	21-1595
OES notification:	03/24/2021
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

CACHE VALLEY ELECTRIC (Continued) **S124637748**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1000
Year:	2021
Agency:	US Borex
Incident Date:	03/24/2021
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Tailing pond Effluent / Boron Content 291 PPM
Quantity Released:	3000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states a tailing transfer line failed due to mechanical failure. Has been stopped and contained with no waterways impacted. Spilled onto soil and cleanup crew has been notified. The reportable quantity is 7.46 lbs.

Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	21-0133
OES notification:	01/08/2021
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

CACHE VALLEY ELECTRIC (Continued) **S124637748**

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	No
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1730
Year:	2021
Agency:	US Boron Mine
Incident Date:	01/07/2021
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	No
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	65
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No

CACHE VALLEY ELECTRIC (Continued) **S124637748**

#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per Caller-A drill rig was drilling a blast pattern and had a hose separate causing the release onto the ground within the pit. No waterways impacted. No fire and no other Hazmat reported.

KERN CO CUPA:

Facility ID:	FA0001329
CERS ID:	10232266
Name:	LAKE SHORE MOJAVE LLC
Address:	14486 BORAX RD
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN MED HIGH RISK 1 UNIT
Program Element Code:	CB2A
HMIRRP Due Date:	2/28/2013
Current Inspection Date:	4/1/2014
Employee:	CUPA 3
Mailing Address:	PO BOX 1090
Mailing Address 2:	Not reported
Mailing City:	BORON
Mailing State:	CA
Mailing Zip:	93596

Facility ID:	FA0030765
CERS ID:	10237321
Name:	NEXTEL- CELL SITE CA5249
Address:	14486 BORAX RD
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Active, exempt from billing
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	9/30/2013
Current Inspection Date:	10/1/2011
Employee:	CUPA 3
Mailing Address:	PO BOX 7994
Mailing Address 2:	Not reported
Mailing City:	SHAWNEE MISSION
Mailing State:	KS
Mailing Zip:	66207

HAZNET:

Name:	CSW CONTRACTORS INC.
Address:	14486 BORAX ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA 85258
Contact:	ANDREW CLARKE
Telephone:	6027680792
Mailing Name:	Not reported

CACHE VALLEY ELECTRIC (Continued) **S124637748**

Mailing Address: 8901 E. MOUNTAIN VIEW ROAD

Year: 2018
Gepaid: CAC002949465
TSD EPA ID: CAL000282598
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.80000

HWTS:
Name: CACHE VALLEY ELECTRIC
Address: 14486 BORAX RD
Address 2: Not reported
City,State,Zip: BORON, CA 935162017
EPA ID: CAC002830567
Inactive Date: 12/22/2015
Create Date: 09/21/2015
Last Act Date: 12/22/2015
Mailing Name: Not reported
Mailing Address: 875 W 1000 S
Mailing Address 2: Not reported
Mailing City,State,Zip: LOGAN, UT 843215412
Owner Name: RIO TINTO BORON
Owner Address: 14486 BORAX RD
Owner Address 2: Not reported
Owner City,State,Zip: BORON, CA 93516
Contact Name: GLEN MONTGOMERY
Contact Address: 875 W 1000 S
Contact Address 2: Not reported
City,State,Zip: LOGAN, UT 843215412

AD253 **CHMIRS** **S107448669**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 32 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

CHMIRS:
Name: Not reported
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
OES Incident Number: 4-5259
OES notification: 10/11/2004
OES Date: Not reported
OES Time: Not reported
Date Completed: **Not reported**
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported

(Continued) **S107448669**

Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	US Borax
Incident Date:	10/10/200412:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	arsenic
Gallons:	0.000000
Pounds:	5
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Weld failed on a tailings line releasing about 11,000 gal of liquid and liquid contained an esimated 5 gal of arsenic.
Name:	Not reported

(Continued) **S107448669**

Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	15-3303
OES notification:	06/11/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	900
Year:	2015
Agency:	US Borax
Incident Date:	06/11/2015
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Transformer Oil, Non PCB
Quantity Released:	80
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported

(Continued) **S107448669**

Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per the caller a demolition salvage operation was on going and picked up a transformer with a forklift puncturing the transformer. A Cermaic valve was broken onto pavement and nearby soil was used as absorbent. Impacted soil and oil will be cleaned up and placed into two 55 gallon drums. A 2009 analytical test showed no PCB's in the oil.

AD254 **US BORAX & CHEMICAL PONDS A THROUGH E** **FINDS** **1023233385**
East **14486 BORAX RD.** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 33 of 82 in cluster AD**

Actual:
2397 ft.

FINDS:
Registry ID: 110065207341

Focus Map:
51

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AD255 **U. S. BORAX, BORON OPERATIONS** **ICIS** **1016994602**
East **14486 BORAX ROAD** **US AIRS** **N/A**
1/4-1/2 **BORON, CA 93516** **FINDS**
0.287 mi. **ECHO**
1513 ft. **Site 34 of 82 in cluster AD**

Actual:
2397 ft.

ICIS:

Enforcement Action ID:	HQ-100018672
FRS ID:	110043789763
Action Name:	U.S. Borax, Inc
Facility Name:	U. S. BORAX, BORON OPERATIONS
Facility Address:	14486 BORAX ROAD BORON, CA 93516-2000
Enforcement Action Type:	Notice of Determination
Facility County:	KERN
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOD
Facility SIC Code:	1474

Focus Map:
51

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Federal Facility ID: Not reported
Latitude in Decimal Degrees: 34.9994200
Longitude in Decimal Degrees: -117.649782
Permit Type Desc: Not reported
Program System Acronym: 1594352
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA200132724
FRS ID: 110043789763
Action Name: MS Letter NOV# 112514
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: Administrative Order
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA200132723
FRS ID: 110043789763
Action Name: NOV# 11252014
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: Notice of Violation
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA200132719
FRS ID: 110043789763
Action Name: MS letter NOV# 121814
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: Administrative Order
Facility County: KERN
Program System Acronym: AIR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA200132717
FRS ID: 110043789763
Action Name: NOV# 121814
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: Notice of Violation
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA0000060290000500170
FRS ID: 110043789763
Action Name: US BORAX & CHEMICAL 060290000500170
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: Civil Judicial Action
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Judicial
EA Type Code: CIV
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA0000060290000500167
FRS ID: 110043789763
Action Name: US BORAX & CHEMICAL 060290000500167
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Enforcement Action Type:	Administrative Order
Facility County:	KERN
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	1474
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.034799
Longitude in Decimal Degrees:	-117.700341
Permit Type Desc:	Not reported
Program System Acronym:	CAKCA0000602900005
Facility NAICS Code:	212391
Tribal Land Code:	Not reported

Enforcement Action ID:	CAKCAA0000060290000500165
FRS ID:	110043789763
Action Name:	US BORAX & CHEMICAL 060290000500165
Facility Name:	US BORAX & CHEMICAL
Facility Address:	14486 BORAX ROAD BORON, CA 93516
Enforcement Action Type:	Notice of Violation
Facility County:	KERN
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	1474
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.034799
Longitude in Decimal Degrees:	-117.700341
Permit Type Desc:	Not reported
Program System Acronym:	CAKCA0000602900005
Facility NAICS Code:	212391
Tribal Land Code:	Not reported

Enforcement Action ID:	CAKCAA0000060290000500148
FRS ID:	110043789763
Action Name:	US BORAX & CHEMICAL 060290000500148
Facility Name:	US BORAX & CHEMICAL
Facility Address:	14486 BORAX ROAD BORON, CA 93516
Enforcement Action Type:	Administrative Order
Facility County:	KERN
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	1474
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.034799
Longitude in Decimal Degrees:	-117.700341
Permit Type Desc:	Not reported
Program System Acronym:	CAKCA0000602900005
Facility NAICS Code:	212391
Tribal Land Code:	Not reported

Enforcement Action ID:	CAKCAA0000060290000500146
FRS ID:	110043789763
Action Name:	US BORAX & CHEMICAL 060290000500146

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Facility Name:	US BORAX & CHEMICAL
Facility Address:	14486 BORAX ROAD BORON, CA 93516
Enforcement Action Type:	Notice of Violation
Facility County:	KERN
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	1474
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.034799
Longitude in Decimal Degrees:	-117.700341
Permit Type Desc:	Not reported
Program System Acronym:	CAKCA0000602900005
Facility NAICS Code:	212391
Tribal Land Code:	Not reported

Enforcement Action ID:	CAKCAA0000060290000500133
FRS ID:	110043789763
Action Name:	US BORAX & CHEMICAL 060290000500133
Facility Name:	US BORAX & CHEMICAL
Facility Address:	14486 BORAX ROAD BORON, CA 93516
Enforcement Action Type:	Civil Judicial Action
Facility County:	KERN
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	1474
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.034799
Longitude in Decimal Degrees:	-117.700341
Permit Type Desc:	Not reported
Program System Acronym:	CAKCA0000602900005
Facility NAICS Code:	212391
Tribal Land Code:	Not reported

Enforcement Action ID:	CAKCAA0000060290000500132
FRS ID:	110043789763
Action Name:	US BORAX & CHEMICAL 060290000500132
Facility Name:	US BORAX & CHEMICAL
Facility Address:	14486 BORAX ROAD BORON, CA 93516
Enforcement Action Type:	Administrative Order
Facility County:	KERN
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	1474
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	35.034799
Longitude in Decimal Degrees:	-117.700341
Permit Type Desc:	Not reported
Program System Acronym:	CAKCA0000602900005
Facility NAICS Code:	212391
Tribal Land Code:	Not reported

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Enforcement Action ID: CAKCAA0000060290000500130
FRS ID: 110043789763
Action Name: US BORAX & CHEMICAL 060290000500130
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: Notice of Violation
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA0000060290000500118
FRS ID: 110043789763
Action Name: US BORAX & CHEMICAL 060290000500118
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: Administrative Order
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA0000060290000500115
FRS ID: 110043789763
Action Name: US BORAX & CHEMICAL 060290000500115
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: Notice of Violation
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: 09-1975-A005
FRS ID: 110043789763
Action Name: US BORAX & CHEMICAL 060290000500002
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: CAA 113A Admin Compliance Order (Non-Penalty)
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 113A
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

Enforcement Action ID: 09-1975-A004
FRS ID: 110043789763
Action Name: US BORAX & CHEMICAL 060290000500001
Facility Name: US BORAX & CHEMICAL
Facility Address: 14486 BORAX ROAD
BORON, CA 93516
Enforcement Action Type: CAA 113A Admin Compliance Order (Non-Penalty)
Facility County: KERN
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 113A
Facility SIC Code: 1474
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 35.034799
Longitude in Decimal Degrees: -117.700341
Permit Type Desc: Not reported
Program System Acronym: CAKCA0000602900005
Facility NAICS Code: 212391
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1016994602
Region Code: 09
County Code: CA029
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
D and B Number: Not reported
Facility Site Name: US BORAX & CHEMICAL
Primary SIC Code: 1474
NAICS Code: 212391
Default Air Classification Code: MAJ
Facility Type of Ownership Code: POF
Air CMS Category Code: TVM

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

HPV Status: Not reported

US AIRS (AFS):
Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2016-05-12 19:11:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-04-30 00:00:00
Activity Status Date: 2016-05-12 19:10:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-06-23 00:00:00
Activity Status Date: 2016-05-12 19:07:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-10-06 00:00:00
Activity Status Date: 2016-05-12 19:21:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-10-07 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: 2016-05-12 19:20:34
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2016-05-12 19:23:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-10-22 00:00:00
Activity Status Date: 2016-05-12 19:15:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: MACT Standards (40 CFR Part 63)
Activity Date: 2015-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2016-05-12 19:11:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-04-30 00:00:00
Activity Status Date: 2016-05-12 19:10:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-06-23 00:00:00
Activity Status Date: 2016-05-12 19:07:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-10-06 00:00:00
Activity Status Date: 2016-05-12 19:21:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-10-07 00:00:00
Activity Status Date: 2016-05-12 19:20:34
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2016-05-12 19:23:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-10-22 00:00:00
Activity Status Date: 2016-05-12 19:15:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1982-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1983-11-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1984-10-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1984-12-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1985-10-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1986-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1988-12-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1990-10-30 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1991-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1992-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1993-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1994-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1995-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1996-11-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1997-11-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1998-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1998-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1998-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 1999-12-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-11-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-11-28 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2000-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2002-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-12-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2004-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2005-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-04-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2006-11-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2007-12-13 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2008-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2009-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Performance Standards
Activity Date: 2015-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2014-11-25 00:00:00
Activity Status Date: 2016-01-27 17:11:59
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2014-12-18 00:00:00
Activity Status Date: 2016-01-27 16:27:04
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2009-05-06 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2016-05-12 19:11:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-04-30 00:00:00
Activity Status Date: 2016-05-12 19:10:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-06-23 00:00:00
Activity Status Date: 2016-05-12 19:07:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-10-06 00:00:00
Activity Status Date: 2016-05-12 19:21:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-10-07 00:00:00
Activity Status Date: 2016-05-12 19:20:34
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2016-05-12 19:23:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-10-22 00:00:00
Activity Status Date: 2016-05-12 19:15:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1981-04-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1981-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1981-07-21 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1981-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1982-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1982-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1983-06-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1983-12-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1993-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1994-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1995-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1996-11-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1997-11-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1998-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1998-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1998-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1999-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1999-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1999-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1999-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 1999-12-17 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2000-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2000-11-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2000-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2000-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2002-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2004-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2004-12-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2004-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2005-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2006-04-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2006-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2006-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2006-11-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2007-04-29 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2007-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2007-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2008-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2008-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2008-10-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2009-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2009-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2009-04-14 00:00:00
Activity Status Date: 2009-04-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2014-12-29 00:00:00
Activity Status Date: 2014-12-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2015-04-01 00:00:00
Activity Status Date: 2015-04-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: 2009-01-28 00:00:00
Activity Status Date: 2009-01-28 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2014-11-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: New Source Review Permit Requirements
Activity Date: Not reported
Activity Status Date: 2014-12-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2016-05-12 19:11:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-04-30 00:00:00
Activity Status Date: 2016-05-12 19:10:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-06-23 00:00:00
Activity Status Date: 2016-05-12 19:07:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-10-06 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: 2016-05-12 19:21:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-10-07 00:00:00
Activity Status Date: 2016-05-12 19:20:34
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2016-05-12 19:23:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-10-22 00:00:00
Activity Status Date: 2016-05-12 19:15:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1981-05-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1981-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1982-07-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1982-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1983-06-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1983-12-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1993-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1994-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1995-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1996-11-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1997-11-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1998-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1998-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1998-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-03-10 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 1999-12-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2000-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2000-11-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2000-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2000-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2002-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2004-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2004-12-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2004-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2005-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2005-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2005-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2005-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2005-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2006-04-14 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2006-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2006-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2006-11-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2007-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2007-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2007-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2008-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2008-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2009-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2009-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Significant Deterioration of Air Quality
Activity Date: 2015-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-10-10 00:00:00
Activity Status Date: 2015-06-10 13:28:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-10-15 00:00:00
Activity Status Date: 2015-06-10 13:25:14
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-10-24 00:00:00
Activity Status Date: 2015-06-10 13:30:51
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-11-13 00:00:00
Activity Status Date: 2015-06-10 13:33:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-11-13 00:00:00
Activity Status Date: 2015-06-10 13:34:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2016-05-12 19:11:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-06 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: 2015-09-02 13:30:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-04-30 00:00:00
Activity Status Date: 2016-05-12 19:10:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-05-28 00:00:00
Activity Status Date: 2015-09-02 13:25:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-06-23 00:00:00
Activity Status Date: 2016-05-12 19:07:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-06 00:00:00
Activity Status Date: 2016-05-12 19:21:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-07 00:00:00
Activity Status Date: 2016-05-12 19:20:34
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2016-05-12 19:23:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-22 00:00:00
Activity Status Date: 2016-05-12 19:15:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1977-01-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1977-05-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1977-11-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1978-11-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1979-11-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-03-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1980-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1981-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1982-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1983-11-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-10-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-10-22 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-11-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1994-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-10-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-11-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-11-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-12-14 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-12-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-11-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2000-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-12-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-04-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-10-05 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-11-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-12-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-11-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-14 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-10-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-12-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-11-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-11-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-12-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-01-31 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1974-10-10 00:00:00
Activity Status Date: 1974-10-10 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1975-06-09 00:00:00
Activity Status Date: 1975-06-09 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2002-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2004-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2005-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2005-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2005-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2005-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2005-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2006-04-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2006-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2006-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2006-11-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2007-10-29 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2007-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2008-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2008-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2009-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2009-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-10-19 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Case File Data Entered

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-11-25 00:00:00
Activity Status Date: 2016-01-27 17:11:59
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-12-18 00:00:00
Activity Status Date: 2016-01-27 16:27:04
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2010-09-29 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2012-01-18 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2013-11-01 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-10 00:00:00
Activity Status Date: 2015-06-10 13:28:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-15 00:00:00
Activity Status Date: 2015-06-10 13:25:14
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-10-24 00:00:00
Activity Status Date: 2015-06-10 13:30:51
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-11-13 00:00:00
Activity Status Date: 2015-06-10 13:33:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-11-13 00:00:00
Activity Status Date: 2015-06-10 13:34:11
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-01-29 00:00:00
Activity Status Date: 2016-05-12 19:11:59
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-06 00:00:00
Activity Status Date: 2015-09-02 13:30:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-30 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: 2016-05-12 19:10:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-28 00:00:00
Activity Status Date: 2015-09-02 13:25:27
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-06-23 00:00:00
Activity Status Date: 2016-05-12 19:07:12
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-06 00:00:00
Activity Status Date: 2016-05-12 19:21:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-07 00:00:00
Activity Status Date: 2016-05-12 19:20:34
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-15 00:00:00
Activity Status Date: 2016-05-12 19:23:36
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-22 00:00:00
Activity Status Date: 2016-05-12 19:15:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1997-11-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-10-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-11-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1998-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-03-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-08-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-10-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-12-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-12-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-11-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-11-16 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-11-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2000-11-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-12-10 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-12-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-02-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-12-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-01-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-10-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-02-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-05-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-08-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-12-12 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-12-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-05-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-10-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-12-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-04-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-10-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-10-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-11-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-04-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-10-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-04-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-10-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-02-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-05-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-12-22 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-04-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-04-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-10-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-11-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-05-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-10-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-10-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-12-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-01 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-05-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-06-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-10-12 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-11-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-04-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-11-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-12-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-01-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-04-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-05-07 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-05-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-10-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-07 00:00:00
Activity Status Date: 2010-09-07 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-12-21 00:00:00
Activity Status Date: 2011-12-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-10-01 00:00:00

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Activity Status Date: 2013-10-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-12-29 00:00:00
Activity Status Date: 2014-12-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-04-01 00:00:00
Activity Status Date: 2015-04-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Resolved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-08-16 00:00:00
Activity Status Date: 2010-08-16 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-12-14 00:00:00
Activity Status Date: 2011-12-14 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-08-08 00:00:00
Activity Status Date: 2013-08-08 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-11-25 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: Not reported
Activity Status Date: 2014-12-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-29 00:00:00
Activity Status Date: 2010-09-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

Region Code: 09
Programmatic ID: AIR CAKCA0000602900005
Facility Registry ID: 110043789763
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-11-01 00:00:00
Activity Status Date: 2013-11-01 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Closed

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

FINDS:
Registry ID: 110043789763

Click Here:

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
TSCA SUBMITTER
US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
HAZARDOUS AIR POLLUTANT MAJOR
OSHA ESTABLISHMENT
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US Emissions & Generation Resource Database (EGRID) contains data on emissions and resource mix for virtually every power plant and company that generates electricity in the United States.
ELECTRIC GENERATOR
AIR MAJOR
STATE MASTER
CASWIS (California Solid Waste Integrating System). California's solid waste facility list that contains information on solid waste facilities, operations, and open and closed disposal sites throughout the state.
GREENHOUSE GAS REPORTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region

U. S. BORAX, BORON OPERATIONS (Continued) **1016994602**

that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.
SSTS (Section Seven Tracking System) evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide-producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and related devices that are produced, sold, or distributed each year.
US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016994602
Registry ID:	110043789763
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110043789763
Name:	US BORAX BORON OPERATIONS
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516

AD256 **CHMIRS S110982647**
East **14486 BORAX ROAD, NORTH READY LINE, SITE: MINING OPERATION** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 35 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

CHMIRS:

Name:	Not reported
Address:	14486 BORAX ROAD, NORTH READY LINE, SITE: MINING OPERATION
City,State,Zip:	BORON, CA 93516
OES Incident Number:	10-6937
OES notification:	11/18/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported

(Continued) **S110982647**

Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	CHS Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	745
Year:	2010
Agency:	Rio Pinto Minerals - Boron Operations
Incident Date:	11/18/2010
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Fluid
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states substance leaked from the hydraulic hose on a haul truck due to equipment failure. All of the release is on soil within the pit perimeter. 50 gallons of the substance pooled below the haul truck and 25 gallons sprayed out onto soil. An outside contractor will vacuum up the pooled substance and a dozer will scrape off impacted soil which will be contained and shipped out.

AD257 **MOJAVE COGENERATION COMPANY** **RMP** **1011831946**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 36 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

RMP:

Facility ID:	758
Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
LEPC city:	Not reported
Facility decimal latitude:	35.033333
Facility decimal longitude:	-117.683333
Is facility in county box:	T
LatLong method:	I1
LatLong description:	CE
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	827772518
Parents name:	Commercial Union Insurance Co. Inc (Majority LP)
Partners name:	Not reported
Parents DUNS #:	807928379
Partners DUNS #:	0
Operators name:	Mojave Cogeneration Company, L.P.
Operators telephone:	4072812000
Operators address:	4400 Alafaya Trail
Operators City,St,Zip:	Orlando, FL 32826 2399
RMP implementation contact:	Gregory L. Lear
RMP contact title:	Director of Operations
Emergency contact:	Bob Turner
Emergency contact title:	Energy Manager
Emergency contact telephone:	7607627333
24 hour emergency telephone:	7607627640
Emergency contact ext/pin #:	Not reported
Number of full time employees:	20
EPA ID:	CAD983658519
Facility ID provided by CEPPO:	100000008001
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	T
Clean air op. permit/State ID:	0164001C
Last safety insp. dat:	1994-01-11 00:00:00
Inspected by:	State environmental agency
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	First Time
RMP description:	Not reported
Facility has no accident hist. recs:	True
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	1999-05-14 00:00:00
Date of error Report:	Not reported
Date RMP received:	1999-05-14 00:00:00
Does RMP contain graphics files:	False

MOJAVE COGENERATION COMPANY (Continued) **1011831946**

Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 1999-05-14 00:00:00
Is RMP complete: True
Date of de-registration: 2017-03-21 00:00:00
Date de-registration is effective: 2016-12-31 00:00:00
Aniversary date: 2004-05-14 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 1.0.5e
FRS latitude: 35.033329999999999
FRS longitude: -117.68333
FRS Description: CENTER OF FACILITY
FRS Method: INTERPOLATION-MAP

Emergency Responses:
ER plan most recent review date: 1999-03-31 00:00:00
ER plan most recent employee training date: 1999-03-31 00:00:00
Local agency coordinating ER plan: Boron Fire Department
Telephone of the coordinating local agency: 7607626167
Federal regulation: True
OSHA 1910 120: True
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 845
Optional facility description: Ammonia Storage
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: Electric Power Generation

Prevention Program 3:
Safety review date: 1999-03-31 00:00:00
Most recent PHA date: 1998-07-30 00:00:00
Process Hazard Analysis: What if, HAZOP
Expected PHA changes completion date: 1999-03-31 00:00:00
Major Hazard: Toxic Release, Fire, Overpressurization, Corrosion, Overfilling, Equipment failure, Cooling loss, Earthquake, Human Error
Process Control: Vents, Relief valves, Check valves, Manual shutoffs, Automatic shutoffs, Interlocks, Alarms, Rupture disks, Excess flow device
Mitigation Systems: Water Hoses
Monitoring/Detection: Process area detector
Changes since the last process hazard analysis: Procedures Evaluated
Most recent review of op. procedures: 1999-03-31 00:00:00
Most recent training progs review/update: 1999-03-31 00:00:00
Training: Classroom
Competency testing: Written test, Demonstration, Observation
Most recent maintenance review date: 1999-03-31 00:00:00

MOJAVE COGENERATION COMPANY (Continued) **1011831946**

Most recent equipment inspection date:	1999-03-31 00:00:00
Equipment tested:	Purged tank, replaced four 1-1/4" vapor relief valves, and replaced one 3/4" liquid relief valve.
Most recent changes by mgmt:	1999-03-31 00:00:00
Date of most recent review/update:	1999-03-31 00:00:00
Date of pre-start review:	1990-05-21 00:00:00
Most recent compliance audit date:	1998-04-21 00:00:00
Expected date of audit completion:	1999-03-31 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	1999-03-31 00:00:00
Date of participation plan review:	1999-03-31 00:00:00
Date of hot work permit review:	1999-03-31 00:00:00
Date of contractor safety review:	1999-03-31 00:00:00
Date of contractor safety eval. review:	1999-03-31 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	b
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Excess flow valve, Emergency shutdown, water hose

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	b
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Ammonia (anhydrous)

MOJAVE COGENERATION COMPANY (Continued) **1011831946**

Process chemical qty in 100s lbs: 5200

AD258 **U.S. BORAX INC.** **TSCA** **1016951585**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 37 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional TSCA detail in the EDR Site Report.

AD259 **US BORAX INC** **SEMS-ARCHIVE** **1015732641**
East **14486 BORAX RD.** **CORRACTS** **CAD008323255**
1/4-1/2 **BORON, CA 93516** **RCRA-LQG**
0.287 mi. **FINDS**
1513 ft. **Site 38 of 82 in cluster AD** **ECHO**

Actual:
2397 ft.

Focus Map:
51

SEMS Archive:

Site ID:	0904521
EPA ID:	CAD008323255
Name:	U.S. BORAX MINE
Address:	NORTH ON BORAX RD, OFF HWY 58, 4M NW OF
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Cong District:	20
FIPS Code:	06029
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0904521
EPA ID:	CAD008323255
Site Name:	U.S. BORAX MINE
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1996-01-23 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0904521
EPA ID:	CAD008323255
Site Name:	U.S. BORAX MINE

US BORAX INC (Continued) **1015732641**

NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: Not reported
Finish Date: 1992-10-30 05:00:00
Qual: D
Current Action Lead: EPA Perf

Region: 09
Site ID: 0904521
EPA ID: CAD008323255
Site Name: U.S. BORAX MINE
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1991-07-15 04:00:00
Finish Date: 1991-07-15 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
Name: US BORAX INC
Address: 14486 BORAX RD.
Address 2: Not reported
EPA ID: CAD008323255
Area Name: ENTIRE FACILITY
Corrective Action: CA PRIORITIZATION-MEDIUM CA PRIORITY
Actual Date: 19930331
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA-LQG:
Date Form Received by Agency: 20200227
Handler Name: US BORAX INC
Handler Address: 14486 BORAX RD.
Handler City,State,Zip: BORON, CA 93516
EPA ID: CAD008323255
Contact Name: LARRY TUDOR
Contact Address: BORAX ROAD
Contact City,State,Zip: BORON, CA 93516
Contact Telephone: 760-559-5163
Contact Fax: Not reported
Contact Email: LARRY.TUDOR@RIOTINTO.COM
Contact Title: ENV. ENGR.
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Large Quantity Generator

US BORAX INC (Continued) **1015732641**

Non-Notifier:	Not reported
Biennial Report Cycle:	2019
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	BORAX RD.
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	U.S. BORAX INC.
Owner Type:	Private
Operator Name:	U.S. BORAX INC.
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	Medium
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

US BORAX INC (Continued) **1015732641**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200930
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2017

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D005
Waste Description:	BARIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD

US BORAX INC (Continued) **1015732641**

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D018
Waste Description: BENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: P012
Waste Description: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

Waste Code: P106

US BORAX INC (Continued) **1015732641**

Waste Description: SODIUM CYANIDE (OR) SODIUM CYANIDE NA(CN)

Waste Code: U114
Waste Description: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS (OR) ETHYLENEBISDITHIOCARBAMIC ACID, SALTS & ESTERS

Waste Code: U122
Waste Description: FORMALDEHYDE

Waste Code: U154
Waste Description: METHANOL (I) (OR) METHYL ALCOHOL (I)

Waste Code: U220
Waste Description: BENZENE, METHYL- (OR) TOLUENE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	U.S. BORAX INC.
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	8051 EAST MAPLEWOOD AVENUE
Owner/Operator City,State,Zip:	GREENWOOD VILLAGE, CO 80111
Owner/Operator Telephone:	303-713-5000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	U.S. BORAX INC.
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	14486 BORAX ROAD
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-7202
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ALEXANDREA.MAYES@RIOTINTO.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	U.S. BORAX INC.
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	8051 EAST MAPLEWOOD AVENUE
Owner/Operator City,State,Zip:	GREENWOOD VILLAGE, CO 80111
Owner/Operator Telephone:	760-762-7202
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ALEXANDREA.MAYES@RIOTINTO.COM

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RIO TINTO AMERICA, INC
Legal Status:	Private
Date Became Current:	19890418
Date Ended Current:	Not reported

US BORAX INC (Continued) **1015732641**

Owner/Operator Address:	505 S GILLETTE AVE
Owner/Operator City,State,Zip:	GILLETTE, WY 82717
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	RIO TINTO AMERICA INC
Legal Status:	Private
Date Became Current:	19890418
Date Ended Current:	Not reported
Owner/Operator Address:	3595 S 8309 W
Owner/Operator City,State,Zip:	MAGNA, UT 84044
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	US BORAX INC
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	8051 E MAPLEWOOD AVE
Owner/Operator City,State,Zip:	GREENWOOD VILLAGE, CO 80111
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	RIO TINTO AMERICA INC
Legal Status:	Private
Date Became Current:	19890418
Date Ended Current:	Not reported
Owner/Operator Address:	3595 S 8309 W
Owner/Operator City,State,Zip:	MAGNA, UT 84044
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	US BORAX
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	U.S. BORAX INC.

US BORAX INC (Continued) **1015732641**

Legal Status:	Private
Date Became Current:	29280101
Date Ended Current:	Not reported
Owner/Operator Address:	14486 BORON ROAD
Owner/Operator City,State,Zip:	BORON, CA 93516-0000
Owner/Operator Telephone:	760-762-7202
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ALEXANDREA.MAYES@RIOTINTO.COM
Owner/Operator Indicator:	Owner
Owner/Operator Name:	RIO TINTO AMERICA, INC.
Legal Status:	Private
Date Became Current:	19890418
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	U.S. BORAX INC.
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	U.S. BORAX INC.
Legal Status:	Private
Date Became Current:	29280101
Date Ended Current:	Not reported
Owner/Operator Address:	14486 BORON ROAD
Owner/Operator City,State,Zip:	BORON, CA 93516-0000
Owner/Operator Telephone:	760-762-7202
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ALEXANDREA.MAYES@RIOTINTO.COM
Owner/Operator Indicator:	Operator
Owner/Operator Name:	U.S. BORAX
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

US BORAX INC (Continued) **1015732641**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	US BORAX INC
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	8051 E MAPLEWOOD AVE
Owner/Operator City,State,Zip:	GREENWOOD VILLAGE, CO 80111
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	U.S. BORAX INC.
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	14486 BORAX ROAD
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-7202
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	ALEXANDREA.MAYES@RIOTINTO.COM

Owner/Operator Indicator:	Operator
Owner/Operator Name:	U.S. BORAX
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	US BORAX
Legal Status:	Private
Date Became Current:	19280101
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	UNITED STATES BORAX AND CHEMICAL CORP
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	HIGHWAY 58
Owner/Operator City,State,Zip:	CITY NOT REPORTED, CA 99999
Owner/Operator Telephone:	714-762-5191
Owner/Operator Telephone Ext:	Not reported

US BORAX INC (Continued) **1015732641**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: U.S. BORAX INC.
Legal Status: Private
Date Became Current: 19280101
Date Ended Current: Not reported
Owner/Operator Address: 8051 EAST MAPLEWOOD AVENUE
Owner/Operator City,State,Zip: GREENWOOD VILLAGE, CO 80111
Owner/Operator Telephone: 760-762-7202
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: ALEXANDREA.MAYES@RIOTINTO.COM

Owner/Operator Indicator: Owner
Owner/Operator Name: U S BORAX INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 14486 BORAX RD
Owner/Operator City,State,Zip: BORON, CA 93516-2000
Owner/Operator Telephone: 714-762-7501
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20140301
Handler Name: US BORAX INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160225
Handler Name: U.S. BORAX INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20181029
Handler Name: US BORAX INC
Federal Waste Generator Description: Large Quantity Generator

US BORAX INC (Continued) **1015732641**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20200227
Handler Name: US BORAX INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: US BORAX INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060228
Handler Name: US BORAX BORON OPERATIONS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20190207
Handler Name: US BORAX INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

US BORAX INC (Continued) **1015732641**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19930409
Handler Name: US BORAX INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900416
Handler Name: US BORAX & CHEMICAL CORP
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920228
Handler Name: BORON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940224
Handler Name: US BORAX INC
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

US BORAX INC (Continued) **1015732641**

Receive Date: 19960222
Handler Name: U.S. BORAX INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: U.S. BORAX INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: U.S. BORAX, INC.
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020122
Handler Name: U. S. BORAX BORON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040129
Handler Name: U.S. BORAX BORON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

US BORAX INC (Continued) **1015732641**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060228
Handler Name: US BORAX BORON OPERATIONS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 212391
NAICS Description: POTASH, SODA, AND BORATE MINERAL MINING

NAICS Code: 325131
NAICS Description: INORGANIC DYE AND PIGMENT MANUFACTURING

NAICS Code: 325188
NAICS Description: ALL OTHER BASIC INORGANIC CHEMICAL MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19850710
Actual Return to Compliance Date: 19870112
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19870112
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19931223

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19911205
Enforcement Identifier: 002
Date of Enforcement Action: 19911104
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19931223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19911205
Enforcement Identifier: 002
Date of Enforcement Action: 19911104
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19931223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19940204
Actual Return to Compliance Date: 19940307

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19940208
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1700
Final Monetary Amount:	1700
Paid Amount:	1700
Final Count:	1
Final Amount:	1700

Found Violation:	Unknown
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	20110503
Actual Return to Compliance Date:	20160503
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940204
Actual Return to Compliance Date:	19940317

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19940208
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1700
Final Monetary Amount:	1700
Paid Amount:	1700
Final Count:	1
Final Amount:	1700

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19931223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19911205
Enforcement Identifier: 002
Date of Enforcement Action: 19911104
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Universal Waste - Large Quantity Handlers
Date Violation was Determined:	20110503
Actual Return to Compliance Date:	20121213
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19931223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19870112
Actual Return to Compliance Date: 19931223

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19870112
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19931223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: 19911205
Enforcement Identifier: 002
Date of Enforcement Action: 19911104
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - Pre-transport
Date Violation was Determined:	20180926
Actual Return to Compliance Date:	20181024
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: LDR - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19931223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920115
Actual Return to Compliance Date:	19931223
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19911205
Enforcement Identifier:	002
Date of Enforcement Action:	19911104
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19940204
Actual Return to Compliance Date:	19940317
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	004
Date of Enforcement Action:	19940208
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	1700
Final Monetary Amount:	1700
Paid Amount:	1700
Final Count:	1
Final Amount:	1700

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - Pre-transport
Date Violation was Determined: 20110503
Actual Return to Compliance Date: 20121213
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19970522
Actual Return to Compliance Date: 19970529

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 005
Date of Enforcement Action: 19970522
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - General
Date Violation was Determined: 19920115
Actual Return to Compliance Date: 19931223
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported

US BORAX INC (Continued) **1015732641**

Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920115
Actual Return to Compliance Date:	19931223

US BORAX INC (Continued) **1015732641**

Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19850710
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19870112
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20121101
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

US BORAX INC (Continued) **1015732641**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	19911205
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	19911205
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940111
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940307
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20150421
Evaluation Responsible Agency:	EPA

US BORAX INC (Continued) **1015732641**

Found Violation:	Undetermined
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20110503
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20160503
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19940111
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940317
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20161209
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223

US BORAX INC (Continued) **1015732641**

Scheduled Compliance Date:	19911205
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20181002
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20110503
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	JSCHO
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20121213
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870112
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

US BORAX INC (Continued) **1015732641**

Evaluation Date:	19860129
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	19911205
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930105
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20180926
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20181024
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA

US BORAX INC (Continued) **1015732641**

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20180926
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	19911205
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19940111
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19940317
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19980203
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

US BORAX INC (Continued) **1015732641**

Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930119
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20110503
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: JSCHO
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20121213
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19970522
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19970529
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910723
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19931223
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20161209
Evaluation Responsible Agency: State

US BORAX INC (Continued) **1015732641**

Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19910723
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19931223
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

FINDS:
Registry ID: 110017398145

Click Here:

Environmental Interest/Information System:
AFS (Aerometric Information Retrieval System (AIRS) Facility

US BORAX INC (Continued) **1015732641**

Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.
AIR SYNTHETIC MINOR
AIR EMISSIONS CLASSIFICATION UNKNOWN
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER
US EPA RACT/BACT/LAER Clearinghouse (RBLC) database contains case-specific information on the "Best Available" air pollution technologies that have been required to reduce the emission of air pollutants from stationary sources (e.g., power plants, steel mills, chemical plants, etc.). RACT, or Reasonably Available Control Technology, is required on existing sources in areas that are not meeting national ambient air quality standards. BACT, or Best Available Control Technology, is required on major new or modified sources in clean areas. LAER, or Lowest Achievable Emission Rate, is required on major new or modified sources in non-attainment areas.
GREENHOUSE GAS REPORTER
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1015732641
Registry ID:	110017398145
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110017398145
Name:	LAKE SHORE MOJAVE,LLC
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516

AD260 **U S BORAX INC** **SSTS** **1012197025**
East **14486 BORAX RD** **US MINES** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 39 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

SSTS:

Name:	U S BORAX INC
Address:	14486 BORAX RD
City,State,Zip:	CA
Report Year:	Not reported
Registration Number:	1624-CA-2
Report Year:	2009
Registration Number:	001624-CA-002

Pre 2016:

Registration Number:	001624-CA-002
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	DONNA LEVENTHAL AGENT P: 310-522-5300
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX 5 MOL PENTAHYDRATE (MFG GRADE, 100%)
Product Code:	Not reported
EPA Product Registration Number:	1624-1
Product Type:	1
Product Classification:	59
Product Use:	Not reported
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2
Registration Number:	001624-CA-002
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	DONNA LEVENTHAL AGENT P: 310-522-5300
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE (100%)
Product Code:	Not reported
EPA Product Registration Number:	1624-124
Product Type:	1
Product Classification:	43
Product Use:	Not reported
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2

U S BORAX INC (Continued) **1012197025**

Registration Number:	001624-CA-002
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	DONNA LEVENTHAL AGENT P: 310-522-5300
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID MG AND ALT BR NAMES (MUP, 100%)
Product Code:	Not reported
EPA Product Registration Number:	1624-117
Product Type:	1
Product Classification:	43
Product Use:	Not reported
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	No
RUP:	2

Report Year:	Not reported
Registration Number:	1624-CA-2

Report Year:	2008
Registration Number:	001624-CA-002

Pre 2016:

Registration Number:	001624-CA-002
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	CRAIG E BERNARD CRISTINA GRIFFIN/US AGENT P: 301-680-7971
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX 5 MOL PENTAHYDRATE (MFG GRADE)
Product Code:	Not reported
EPA Product Registration Number:	1624-1
Product Type:	1
Product Classification:	59
Product Use:	Not reported
Market Type:	2
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	No
RUP:	2

Registration Number:	001624-CA-002
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported

U S BORAX INC (Continued) **1012197025**

Contact Name: CRAIG E BERNARD CRISTINA GRIFFIN/US AGENT P: 301-680-7971
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: BORAX DECAHYDRATE MANUFACTURING GRADE
Product Code: Not reported
EPA Product Registration Number: 1624-124
Product Type: 1
Product Classification: 43
Product Use: Not reported
Market Type: 2
Product Unit of Measure: Not reported
Region: 9
Zero Production: No
RUP: 2

Registration Number: 001624-CA-002
Name: U S BORAX INC
Address: 14486 BORAX RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: CRAIG E BERNARD CRISTINA GRIFFIN/US AGENT P: 301-680-7971
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: BORIC ACID MG AND ALT BR NAMES (MUP)
Product Code: Not reported
EPA Product Registration Number: 1624-117
Product Type: 1
Product Classification: 43
Product Use: Not reported
Market Type: 2
Product Unit of Measure: Not reported
Region: 9
Zero Production: No
RUP: 2

Report Year: 2015
Registration Number: 1624-CA-2

Pre 2016:
Registration Number: 1624-CA-2
Name: U S BORAX INC
Address: 14486 BORAX RD
Address 2: Not reported
Country Code: USA
Country: United States
Contact Name: Christy Leeper
Contact Title: Regulatory Affairs
Contact Telephone: (310) 522-5363
Contact Email: CHRISTY.LEEPER@RIOTINTO.COM
Product Name: BORIC ACID (& ABN)
Product Code: Not reported
EPA Product Registration Number: 1624-117
Product Type: 1 - Technical (MUP)
Product Classification: 43 - Insecticide

U S BORAX INC (Continued) **1012197025**

Product Use:	Not reported
Market Type:	Foreign
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products
Registration Number:	1624-CA-2
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Christy Leeper
Contact Title:	Regulatory Affairs
Contact Telephone:	(310) 522-5363
Contact Email:	CHRISTY.LEEPER@RIOTINTO.COM
Product Name:	BORAX MANUFACTACTURING
Product Code:	Not reported
EPA Product Registration Number:	1624-124
Product Type:	1 - Technical (MUP)
Product Classification:	43 - Insecticide
Product Use:	Not reported
Market Type:	Foreign
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products
Registration Number:	1624-CA-2
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Christy Leeper
Contact Title:	Regulatory Affairs
Contact Telephone:	(310) 522-5363
Contact Email:	CHRISTY.LEEPER@RIOTINTO.COM
Product Name:	US BORAX INC.
Product Code:	Not reported
EPA Product Registration Number:	1624-CA-2
Product Type:	1 - Technical (MUP)
Product Classification:	59 - Algaecide
Product Use:	Not reported
Market Type:	Foreign
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products
Report Year:	2014
Registration Number:	1624-CA-2

Pre 2016:

Registration Number:	1624-CA-2
Name:	U S BORAX INC

U S BORAX INC (Continued) **1012197025**

Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Christy Leeper
Contact Title:	Regulatory Affairs
Contact Telephone:	(310) 522-5363
Contact Email:	CHRISTY.LEEPER@RIOTINTO.COM
Product Name:	BORAX 5 MOL PENTAHYDRATE (MFG GRADE, 100%)
Product Code:	Not reported
EPA Product Registration Number:	1624-1
Product Type:	1 - Technical (MUP)
Product Classification:	59 - Algaecide
Product Use:	Not reported
Market Type:	USA and Foreign
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	1624-CA-2
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Christy Leeper
Contact Title:	Regulatory Affairs
Contact Telephone:	(310) 522-5363
Contact Email:	CHRISTY.LEEPER@RIOTINTO.COM
Product Name:	BORIC ACID MG & ABN (MUP, 100%)
Product Code:	Not reported
EPA Product Registration Number:	1624-117
Product Type:	1 - Technical (MUP)
Product Classification:	43 - Insecticide
Product Use:	Not reported
Market Type:	USA and Foreign
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products

Registration Number:	1624-CA-2
Name:	U S BORAX INC
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	USA
Country:	United States
Contact Name:	Christy Leeper
Contact Title:	Regulatory Affairs
Contact Telephone:	(310) 522-5363
Contact Email:	CHRISTY.LEEPER@RIOTINTO.COM
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE (100%)
Product Code:	Not reported
EPA Product Registration Number:	1624-124
Product Type:	1 - Technical (MUP)
Product Classification:	43 - Insecticide

U S BORAX INC (Continued) **1012197025**

Product Use:	Not reported
Market Type:	USA and Foreign
Product Unit of Measure:	Not reported
Region:	9
Zero Production:	Not reported
RUP:	2 - All Other Products
Report Year:	Not reported
Registration Number:	1624-CA-2

US MINES:

Sic Code(s):	147404
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Mine ID:	0402834
Entity Name:	OWENS LAKE MINE
Company:	U S BORAX INC
Status:	Full-Time Permanent
Status Date:	20020101
Operation Class:	2
Number of Shops:	0
Number of Plants:	0
Latitude Degree:	36
Longitude Degree:	118
Latitude Minute:	36
Latitude Seconds:	38
Longitude Minutes:	03
Longitude Seconds:	56
Number of Pits:	000

AD261 **AMES CONSTRUCTION INC RIO TINTO MINERALS** **RCRA NonGen / NLR** **1024849640**
East **14486 BORAX RD** **CAL000406488**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 40 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

RCRA NonGen / NLR:

Date Form Received by Agency:	20210803
Handler Name:	AMES CONSTRUCTION INC RIO TINTO MINERALS
Handler Address:	14486 BORAX RD
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000406488
Contact Name:	AMANDA STRATTON
Contact Address:	N MAIN ST #302
Contact City,State,Zip:	CORONA, CA 92880-0000
Contact Telephone:	951-529-7387
Contact Fax:	951-737-7658
Contact Email:	AMANDASTRATTON@AMESCO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported

AMES CONSTRUCTION INC RIO TINTO MINERALS (Continued) **1024849640**

Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	N MAIN ST #302
Mailing City,State,Zip:	CORONA, CA 92880-0000
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	AMES CONSTRUCTION INC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No

AMES CONSTRUCTION INC RIO TINTO MINERALS (Continued) **1024849640**

Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210809
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AMES CONSTRUCTION INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	391 N MAIN ST #302
Owner/Operator City,State,Zip:	CORONA, CA 92880-0000
Owner/Operator Telephone:	951-356-1275
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	AMES CONSTRUCTION INC
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	391 N MAIN ST STE 302
Owner/Operator City,State,Zip:	CORONA, CA 92880-2001
Owner/Operator Telephone:	951-902-9921
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	TERESA JAKEWAY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	391 N MAIN ST STE 302
Owner/Operator City,State,Zip:	CORONA, CA 92880
Owner/Operator Telephone:	951-902-9921
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210803
Handler Name:	AMES CONSTRUCTION INC RIO TINTO MINERALS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

AMES CONSTRUCTION INC RIO TINTO MINERALS (Continued) **1024849640**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20150430
Handler Name: AMES CONSTRUCTION INC RIO TINTO MINERALS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 23499
NAICS Description: ALL OTHER HEAVY CONSTRUCTION

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AD262 **MOJAVE COGENERATION COMPANY, L.P.** **RMP** **1016171362**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 41 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

RMP:
Facility ID: 1000028227
Name: MOJAVE COGENERATION COMPANY, L.P.
Address: 14486 BORAX ROAD
Address 2: Not reported
City,State,Zip: BORON, CA 93516
LEPC city: Region 5 LEPC Inland South
Facility decimal latitude: 35.032069
Facility decimal longitude: -117.7015
Is facility in county box: T
LatLong method: I1
LatLong description: PG
Home page web address: Not reported
Facility telephone: Not reported
Facility email: Not reported
Facility DUNS #: 0
Parents name: Lake Shore Mojave LLC
Partners name: Not reported
Parents DUNS #: 0
Partners DUNS #: 0

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1016171362**

Operators name:	Lake Shore Mojave LLC
Operators telephone:	7607625350
Operators address:	14486 Borax Road
Operators City,St,Zip:	Boron, CA 93516
RMP implementation contact:	Allen Hess
RMP contact title:	Plant Manager
Emergency contact:	Allen Hess
Emergency contact title:	Plant Manager
Emergency contact telephone:	7607625350
24 hour emergency telephone:	7607625350
Emergency contact ext/pin #:	Not reported
Number of full time employees:	10
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000008001
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	Not reported
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2012-05-09 00:00:00
Date of error Report:	Not reported
Date RMP received:	2012-05-09 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2012-05-09 00:00:00
Is RMP complete:	True
Date of de-registration:	2017-03-21 00:00:00
Date de-registration is effective:	2016-12-31 00:00:00
Aniversary date:	2017-05-09 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.8
FRS latitude:	35.033329999999999
FRS longitude:	-117.68333
FRS Description:	CENTER OF FACILITY
FRS Method:	INTERPOLATION-MAP

Emergency Responses:

ER plan most recent review date:	2010-09-15 00:00:00
ER plan most recent employee training date:	2010-09-15 00:00:00
Local agency coordinating ER plan:	Kern County Fire Department
Telephone of the coordinating local agency:	7607626167
Federal regulation:	False
OSHA 1910 120:	False

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1016171362**

SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Processes:

Process ID:	1000034456
Optional facility description:	Anhydrous ammonia system
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Electric Power Generation

Prevention Program 3:

Safety review date:	2012-05-02 00:00:00
Most recent PHA date:	2012-05-02 00:00:00
Process Hazard Analysis:	What if, HAZOP
Expected PHA changes completion date:	Not reported
Major Hazard:	Toxic Release, Overpressurization, Corrosion, Overfilling, Equipment failure, Earthquake
Process Control:	Vents, Relief valves, Manual shutoffs, Automatic shutoffs, Alarms
Mitigation Systems:	Deluge system
Monitoring/Detection:	Process area detector
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2011-08-08 00:00:00
Most recent training progs review/update:	2011-01-19 00:00:00
Training:	Classroom
Competency testing:	Observation
Most recent maintenance review date:	2011-12-19 00:00:00
Most recent equipment inspection date:	2011-12-19 00:00:00
Equipment tested:	Ammonia tank, valves, and piping
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	2006-09-15 00:00:00
Date of pre-start review:	Not reported
Most recent compliance audit date:	2012-05-02 00:00:00
Expected date of audit completion:	2013-05-02 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2006-09-15 00:00:00
Date of hot work permit review:	2006-09-15 00:00:00
Date of contractor safety review:	2006-09-15 00:00:00
Date of contractor safety eval. review:	2006-09-15 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1016171362**

Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Concrete containment
Active mitigation:	Deluge systems

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	61680

AD263 **U S BORAX INC.** **SSTS** **1012003837**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 42 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

SSTS:

Name:	U S BORAX INC.
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Report Year:	2007
Registration Number:	001624CA002

Pre 2016:

Registration Number:	001624CA002
Name:	U S BORAX INC.
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported

U S BORAX INC. (Continued) **1012003837**

Product Name:	BORAX 5 MOL PENTAHYDRATE (MFG GRADE)
Product Code:	1
EPA Product Registration Number:	00162400001
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	001624CA002
Name:	U S BORAX INC.
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE
Product Code:	1
EPA Product Registration Number:	00162400124
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	001624CA002
Name:	U S BORAX INC.
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID MG AND ALT BR NAMES (MUP)
Product Code:	1
EPA Product Registration Number:	00162400117
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

AD264 **MOJAVE COGENERATION COMPANY, L.P.** **RMP** **1011831947**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 43 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

RMP:

Facility ID:	48197
Name:	MOJAVE COGENERATION COMPANY, L.P.
Address:	14486 BORAX ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.032100
Facility decimal longitude:	-117.704900
Is facility in county box:	T
LatLong method:	I1
LatLong description:	PG
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	DPS, Mojave LLC
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Donnie Williams
Operators telephone:	7607625350
Operators address:	14486 Borax Road
Operators City,St,Zip:	Boron, CA 93516
RMP implementation contact:	Donnie Williams
RMP contact title:	Plant Manager
Emergency contact:	Donnie Williams
Emergency contact title:	Plant Manager
Emergency contact telephone:	7607625350
24 hour emergency telephone:	7607625350
Emergency contact ext/pin #:	Not reported
Number of full time employees:	10
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000008001
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	Not reported
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2007-05-07 00:00:00
Date of error Report:	Not reported
Date RMP received:	2007-05-07 00:00:00
Does RMP contain graphics files:	False

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1011831947**

Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2007-05-03 00:00:00
Is RMP complete: True
Date of de-registration: 2017-03-21 00:00:00
Date de-registration is effective: 2016-12-31 00:00:00
Aniversary date: 2012-05-03 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.8
FRS latitude: 35.033329999999999
FRS longitude: -117.68333
FRS Description: CENTER OF FACILITY
FRS Method: INTERPOLATION-MAP

Accident History:
Accident History ID: 7730
facid: 48197
Accident Date: 2005-02-01 00:00:00
Accident Time: 1200
NAICS code: 22111
Accident release duration: 00005
Release Event: Spill
Release Source: Valve
Wind speed: Not reported
Wind speed units: c
Wind direction: Not reported
Temperature: Not reported
Stability class: Not reported
Precipitation was present: False
Weather was unknown: True
Num. of on-site workers killed: 0
Num. of responders killed: 0
Num. of public deaths: 0
Num. of on-site workers injured: 0
Num. of responders injured: 0
Num. of public injured: 0
Property damage in dollars: 0
Num. of on-site deaths: 0
Num. of hospitalizations: 0
Num. of other medical treatments: 0
Num. of evacuated: 0
Num. of sheltered in place: 0
Off-site property damage in dollars: 0
Environmental damage: Not reported
Initiating event: a
Contributing factor: Not reported
Were offsite responders notified: Unknown
Changes Made: Accident occurred under prior ownership, probably in summer 2005. Exact date/time unknown and no records exist. New owner developed a new accident prevention program.
Record contains CBI data: False

Accident Chemicals:
Chemical released: Ammonia (anhydrous)

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1011831947**

Quantity of chemical released in pounds: 20
Percent weight of chemical released: 100

Emergency Responses:
ER plan most recent review date: 2006-09-15 00:00:00
ER plan most recent employee training date: 2006-09-15 00:00:00
Local agency coordinating ER plan: Kern County Fire Department
Telephone of the coordinating local agency: 7607626167
Federal regulation: False
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 69864
Optional facility description: Anhydrous ammonia system
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: Electric Power Generation

Prevention Program 3:
Safety review date: 2006-09-15 00:00:00
Most recent PHA date: 2006-09-15 00:00:00
Process Hazard Analysis: What if, HAZOP
Expected PHA changes completion date: Not reported
Major Hazard: Toxic Release, Overpressurization, Corrosion, Overfilling, Equipment failure, Earthquake
Process Control: Vents, Relief valves, Manual shutoffs, Automatic shutoffs, Alarms
Mitigation Systems: Dikes, Deluge system
Monitoring/Detection: Process area detector
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2006-09-15 00:00:00
Most recent training progs review/update: 2006-08-01 00:00:00
Training: Classroom
Competency testing: Observation
Most recent maintenance review date: 2006-09-15 00:00:00
Most recent equipment inspection date: 2006-09-15 00:00:00
Equipment tested: Ammonia tank, valves, and piping
Most recent changes by mgmt: Not reported
Date of most recent review/update: 2006-09-15 00:00:00
Date of pre-start review: Not reported
Most recent compliance audit date: 2006-03-15 00:00:00
Expected date of audit completion: 2006-12-31 00:00:00
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2006-09-15 00:00:00
Date of hot work permit review: 2006-09-15 00:00:00
Date of contractor safety review: 2006-09-15 00:00:00
Date of contractor safety eval. review: 2006-09-15 00:00:00
Record has CBI data: False

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1011831947**

Process Chemicals:

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	60400
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Emergency shutdown

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported

Facility ID:	43662
Name:	MOJAVE COGENERATION COMPANY, L.P.
Address:	14486 BORAX ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
LEPC city:	Region VI LEPC
Facility decimal latitude:	35.031944
Facility decimal longitude:	-117.701389
Is facility in county box:	T
LatLong method:	I2
LatLong description:	AS
Home page web address:	Not reported

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1011831947**

Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	DPC Mojave I LLC
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	Mohave Cogeneration Company, L.P.
Operators telephone:	9494974908
Operators address:	1015 Van Dyke Drive
Operators City,St,Zip:	Laguna Beach, CA 92651
RMP implementation contact:	Walt Biehl
RMP contact title:	Energy Manager
Emergency contact:	Tom Lewter
Emergency contact title:	Cogeneration Supervisor
Emergency contact telephone:	7607627466
24 hour emergency telephone:	7605594329
Emergency contact ext/pin #:	Not reported
Number of full time employees:	16
EPA ID:	CAD983658519
Facility ID provided by CEPPO:	100000008001
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2004-10-01 00:00:00
Inspected by:	Fire Department
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2005-08-23 00:00:00
Date of error Report:	Not reported
Date RMP received:	2005-08-22 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*Submit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2005-08-18 00:00:00
Is RMP complete:	True
Date of de-registration:	2017-03-21 00:00:00
Date de-registration is effective:	2016-12-31 00:00:00
Aniversary date:	2010-08-18 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	3.6
FRS latitude:	35.033329999999999
FRS longitude:	-117.68333
FRS Description:	CENTER OF FACILITY
FRS Method:	INTERPOLATION-MAP

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1011831947**

Accident History:

Accident History ID:	6805
facid:	43662
Accident Date:	2005-02-01 00:00:00
Accident Time:	1000
NAICS code:	221112
Accident release duration:	00010
Release Event:	Gas
Release Source:	Transfer Hose
Wind speed:	Not reported
Wind speed units:	a
Wind direction:	Not reported
Temperature:	Not reported
Stability class:	F
Precipitation was present:	False
Weather was unknown:	True
Num. of on-site workers killed:	0
Num. of responders killed:	0
Num. of public deaths:	0
Num. of on-site workers injured:	0
Num. of responders injured:	0
Num. of public injured:	0
Property damage in dollars:	0
Num. of on-site deaths:	0
Num. of hospitalizations:	0
Num. of other medical treatments:	0
Num. of evacuated:	0
Num. of sheltered in place:	0
Off-site property damage in dollars:	0
Environmental damage:	Not reported
Initiating event:	a
Contributing factor:	Equipment failure
Were offsite responders notified:	No, not notified
Changes Made:	Improved equipment
Record contains CBI data:	False

Accident Chemicals:

Chemical released:	Ammonia (anhydrous)
Quantity of chemical released in pounds:	3
Percent weight of chemical released:	Not reported

Emergency Responses:

ER plan most recent review date:	2005-05-10 00:00:00
ER plan most recent employee training date:	2005-05-10 00:00:00
Local agency coordinating ER plan:	Kern County Fire Department
Telephone of the coordinating local agency:	6618628700
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Processes:

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1011831947**

Process ID:	62865
Optional facility description:	Ammonia Storage
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Electric Power Generation

Prevention Program 3:

Safety review date:	2004-08-10 00:00:00
Most recent PHA date:	2004-08-10 00:00:00
Process Hazard Analysis:	What if
Expected PHA changes completion date:	2004-08-10 00:00:00
Major Hazard:	Toxic Release, Fire, Explosion, Overpressurization, Overfilling, Contamination, Equipment failure, Cooling loss
Process Control:	Relief valves, Check valves, Manual shutoffs, Alarms, Emergency air supply, Excess flow device
Mitigation Systems:	Dikes
Monitoring/Detection:	Process area detector
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2004-08-10 00:00:00
Most recent training progs review/update:	2005-04-01 00:00:00
Training:	Classroom
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2005-05-10 00:00:00
Most recent equipment inspection date:	2005-05-10 00:00:00
Equipment tested:	Tank, Gauges, Relief Valves
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	2004-08-10 00:00:00
Date of pre-start review:	2005-05-10 00:00:00
Most recent compliance audit date:	2005-05-10 00:00:00
Expected date of audit completion:	2005-05-10 00:00:00
Most recent incident investigation:	2005-02-01 00:00:00
Expected date of investigation changes:	2005-02-01 00:00:00
Date of participation plan review:	2005-06-01 00:00:00
Date of hot work permit review:	2005-06-01 00:00:00
Date of contractor safety review:	2005-06-01 00:00:00
Date of contractor safety eval. review:	2005-06-01 00:00:00
Record has CBI data:	False

Process Chemicals:

Chemical name:	Ammonia (anhydrous)
Process chemical qty in 100s lbs:	52000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	c
Analytical basic:	EPA’s RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F

MOJAVE COGENERATION COMPANY, L.P. (Continued) **1011831947**

Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Water Hose
Active mitigation:	Not reported

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	b
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Dikes

AD265 **CHMIRS** **S107448670**
East **14486 BORAX RD.** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 44 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

CHMIRS:

Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA
OES Incident Number:	4-4871
OES notification:	09/20/2004
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported

(Continued) **S107448670**

Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2004
Agency:	NRC
Incident Date:	9/20/200412:00:00 AM
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Arsenic
Gallons:	0.000000
Pounds:	17
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Boric acid tallings containing arsenic spilled onto soil from a failed flange weld.

AD266 **AMES CONSTRUCTION INC RIO TINTO MINERALS** **FINDS** **1024629506**
East **14486 BORAX RD** **ECHO** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 45 of 82 in cluster AD**

Actual:
2397 ft.

FINDS:
Registry ID: 110070417893

Focus Map:
51

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024629506
Registry ID:	110070417893
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070417893
Name:	AMES CONSTRUCTION INC RIO TINTO MINERALS
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516

AD267 **J I ARIAS INC** **FINDS** **1023366734**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 46 of 82 in cluster AD**

Actual:
2397 ft.

FINDS:
Registry ID: 110070521277

Focus Map:
51

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
Registry ID: 110066643289

Click Here:

Environmental Interest/Information System:
AIR PROGRAM
HAZARDOUS WASTE BIENNIAL REPORTER
STATE MASTER
Registry ID: 110070329132

Click Here:

Environmental Interest/Information System:
OSHA ESTABLISHMENT
Registry ID: 110070282822

Click Here:

Environmental Interest/Information System:
OSHA ESTABLISHMENT

J I ARIAS INC (Continued) **1023366734**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AD268 **US BORAX** **SSTS** **1005438769**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, 93516**
0.287 mi.
1513 ft. **Site 47 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

SSTS:

Name:	US BORAX
Address:	14486 BORAX RD
City,State,Zip:	BORON 93516
Report Year:	2000
Registration Number:	001624CA 002

Pre 2016:

Registration Number:	001624CA 002
Name:	US BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE
Product Code:	1
EPA Product Registration Number:	00162400124
Product Type:	1
Product Classification:	16
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA 002
Name:	US BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID, MUP
Product Code:	1
EPA Product Registration Number:	00162400117
Product Type:	1
Product Classification:	01
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported

US BORAX (Continued) **1005438769**

Zero Production: Not reported
RUP: Not reported

Registration Number: 001624CA 002
Name: US BORAX
Address: 14486 BORAX RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: NEBOR PESTICIDE 5 MOL (MANUFACTURING GRADE)
Product Code: 1
EPA Product Registration Number: 00162400001
Product Type: 1
Product Classification: 05
Product Use: 2
Market Type: 2
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Report Year: 1999
Registration Number: 001624CA 002

Pre 2016:
Registration Number: 001624CA 002
Name: US BORAX
Address: 14486 BORAX RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported
Contact Name: Not reported
Contact Title: Not reported
Contact Telephone: Not reported
Contact Email: Not reported
Product Name: BORAX PESTICIDE GRADE (MG)
Product Code: 1
EPA Product Registration Number: 00162400124
Product Type: 1
Product Classification: 16
Product Use: 2
Market Type: 2
Product Unit of Measure: Not reported
Region: Not reported
Zero Production: Not reported
RUP: Not reported

Registration Number: 001624CA 002
Name: US BORAX
Address: 14486 BORAX RD
Address 2: Not reported
Country Code: Not reported
Country: Not reported

US BORAX (Continued) **1005438769**

Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID, MUP
Product Code:	1
EPA Product Registration Number:	00162400117
Product Type:	1
Product Classification:	01
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA 002
Name:	US BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NEBOR PESTICIDE 5 MOL (MG)
Product Code:	1
EPA Product Registration Number:	00162400001
Product Type:	1
Product Classification:	05
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Report Year:	Not reported
Registration Number:	001624CA 002

Report Year:	2001
Registration Number:	001624CA002

Pre 2016:

Registration Number:	001624CA002
Name:	US BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE
Product Code:	1

US BORAX (Continued) **1005438769**

EPA Product Registration Number:	00162400124
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	001624CA002
Name:	US BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID, MUP
Product Code:	1
EPA Product Registration Number:	00162400117
Product Type:	1
Product Classification:	01
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	001624CA002
Name:	US BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NEBOR, BORAX PENTAHYDRATE (MFG GRADE)
Product Code:	1
EPA Product Registration Number:	00162400001
Product Type:	1
Product Classification:	05
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

AD269 **US BORAX PLANT** **LUST** **S105193265**
East **14486 BORAX ROAD** **CHMIRS** **N/A**
1/4-1/2 **BORON, CA 93516** **Cortese**
0.287 mi. **EMI**
1513 ft. **Site 48 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

LUST Region 6V:

Name:	US BORAX PLANT
Address:	14486 BORAX ROAD
City:	BORON
Region:	6V
Case Number:	6B1501003T
Leak Record:	Not reported
Report Date:	5/12/1992
Reported By Address:	14486 BORAX ROAD
Responsible Party:	ANTHONY TESKE
Operator:	ANTHONY TESKE
Cross Street:	HWY 58
Local Agency:	15000L
Regional Board:	6V
Chemical:	Gasoline
Case Type:	Soil only
Funding:	Not reported
Enforce Type:	SEL
How Found:	OM
How Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T060292419
Stop Date:	4/1/1992
Leak Confirm:	Not reported
Submit Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	8/31/1992
Discovered:	5/11/1992
Enforce Date:	Not reported
Review Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
MTBE class:	*
Max MTBE Grnd Wtr:	Not reported
Max MTBE Soil:	Not reported
MTBE Counts:	0
MTBE Fuel:	1
MTBE Tested:	NT
Organization Name:	Not reported
Status:	Case Closed
Contact:	Not reported
Interim Action:	Not reported
Pilot Program:	LUST
Lat/Long:	35 / -117.702974
Staff Initials:	ETL
Local Agency Staff:	DAN
Lead Agency:	Local Agency
Summary:	Haz Mat incident report filed : TANK REMOVAL : TANK REMOVED

US BORAX PLANT (Continued) **S105193265**

Basin Number: ANTELOPE VALLEY (6-4
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: 550010
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 471.9413345
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

CHMIRS:

Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	13-2561
OES notification:	04/29/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	800

US BORAX PLANT (Continued) **S105193265**

Year:	2013
Agency:	US Borax
Incident Date:	4/29/2013
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	40-60
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per RP, release occurred due to broken hydraulic line on a loader. Release occurred to concrete slab. Vehicle has been repaired and moved; impacted soil removed. Per RP, no environmental impact as a result of the release.

Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	6-6397
OES notification:	10/27/2006
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

US BORAX PLANT (Continued) **S105193265**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2006
Agency:	Rio Tinto Minerals, Borate Refinery
Incident Date:	10/26/2006 12:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Processed Liquors mixed with cooling tower water
Gallons:	0.000000
Pounds:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per caller this pilled onto land and concrete. Taking up the affected soils and vactoring the liquids.
Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	7-7304
OES notification:	11/26/2007
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

US BORAX PLANT (Continued) **S105193265**

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2007
Agency:	US Borax
Incident Date:	11/26/2007 12:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Refinery
E Date:	Not reported
Substance:	Boric Acid effluent
Gallons:	351,000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

US BORAX PLANT (Continued) **S105193265**

Fatals:	Not reported
Comments:	Not reported
Description:	Release occurred due to breakage in the pipeline that transfers the boric acid effluent. Pipeline has been shut-down and excavation will be done tomorrow.
Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	3-0138
OES notification:	01/08/2003
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2003
Agency:	US Borax
Incident Date:	1/8/200312:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported

US BORAX PLANT (Continued) **S105193265**

Substance:	dilute tailings waste water
Gallons:	15,000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	has very small amount of arsenic, 90 parts per million. Flange failed causing the spill.

CORTESE:

Name:	US BORAX PLANT
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T060292419
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

EMI:

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2000
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER

US BORAX PLANT (Continued) **S105193265**

SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	31
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	18

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2001
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	31
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	18

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2002
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	41
SOX - Oxides of Sulphur Tons/Yr:	3
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	18

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2002
County Code:	15

US BORAX PLANT (Continued) **S105193265**

Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	7
Carbon Monoxide Emissions Tons/Yr:	1791
NOX - Oxides of Nitrogen Tons/Yr:	264
SOX - Oxides of Sulphur Tons/Yr:	52
Particulate Matter Tons/Yr:	260
Part. Matter 10 Micrometers and Smllr Tons/Yr:	246

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2003
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	22
Reactive Organic Gases Tons/Yr:	11
Carbon Monoxide Emissions Tons/Yr:	101
NOX - Oxides of Nitrogen Tons/Yr:	284
SOX - Oxides of Sulphur Tons/Yr:	53
Particulate Matter Tons/Yr:	468
Part. Matter 10 Micrometers and Smllr Tons/Yr:	248

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2003
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	7
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	2
NOX - Oxides of Nitrogen Tons/Yr:	41
SOX - Oxides of Sulphur Tons/Yr:	3
Particulate Matter Tons/Yr:	18
Part. Matter 10 Micrometers and Smllr Tons/Yr:	18

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD

US BORAX PLANT (Continued) **S105193265**

City,State,Zip:	BORON, CA 93516
Year:	2004
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.58
Reactive Organic Gases Tons/Yr:	0.601412
Carbon Monoxide Emissions Tons/Yr:	2.53
NOX - Oxides of Nitrogen Tons/Yr:	38.4
SOX - Oxides of Sulphur Tons/Yr:	3.13
Particulate Matter Tons/Yr:	17.4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	17.33

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2004
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	71.932
Reactive Organic Gases Tons/Yr:	12.2861683
Carbon Monoxide Emissions Tons/Yr:	106.173
NOX - Oxides of Nitrogen Tons/Yr:	294.88
SOX - Oxides of Sulphur Tons/Yr:	3.495
Particulate Matter Tons/Yr:	568.916
Part. Matter 10 Micrometers and Smllr Tons/Yr:	291.972

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2005
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.58
Reactive Organic Gases Tons/Yr:	.601412
Carbon Monoxide Emissions Tons/Yr:	2.53
NOX - Oxides of Nitrogen Tons/Yr:	38.4
SOX - Oxides of Sulphur Tons/Yr:	3.13
Particulate Matter Tons/Yr:	17.4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	17.33

US BORAX PLANT (Continued) **S105193265**

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2005
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	113.5794867224315609
Reactive Organic Gases Tons/Yr:	16.2036694
Carbon Monoxide Emissions Tons/Yr:	505.074
NOX - Oxides of Nitrogen Tons/Yr:	308.63
SOX - Oxides of Sulphur Tons/Yr:	12.95
Particulate Matter Tons/Yr:	2298.270900012790859
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1156.15876

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2006
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	113.5794867224315609
Reactive Organic Gases Tons/Yr:	16.2036694
Carbon Monoxide Emissions Tons/Yr:	505.074
NOX - Oxides of Nitrogen Tons/Yr:	308.63
SOX - Oxides of Sulphur Tons/Yr:	12.95
Particulate Matter Tons/Yr:	2298.270900012790859
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1156.15876

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2006
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.58
Reactive Organic Gases Tons/Yr:	.601412
Carbon Monoxide Emissions Tons/Yr:	2.53
NOX - Oxides of Nitrogen Tons/Yr:	38.4
SOX - Oxides of Sulphur Tons/Yr:	3.13

US BORAX PLANT (Continued) **S105193265**

Particulate Matter Tons/Yr: 17.4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 17.33

Name: MOJAVE COGENERATION COMPANY
Address: 14486 BORAX ROAD
City,State,Zip: BORON, CA 93257
Year: 2007
County Code: 15
Air Basin: MD
Facility ID: 593
Air District Name: KER
SIC Code: 4961
Air District Name: KERN COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 6.58
Reactive Organic Gases Tons/Yr: .601412
Carbon Monoxide Emissions Tons/Yr: 2.53
NOX - Oxides of Nitrogen Tons/Yr: 38.4
SOX - Oxides of Sulphur Tons/Yr: 3.13
Particulate Matter Tons/Yr: 17.4
Part. Matter 10 Micrometers and Smllr Tons/Yr: 17.33

Name: U.S. BORAX
Address: 14486 BORAX ROAD
City,State,Zip: BORON, CA 95691
Year: 2007
County Code: 15
Air Basin: MD
Facility ID: 28
Air District Name: KER
SIC Code: 1474
Air District Name: KERN COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 113.5794867224315609
Reactive Organic Gases Tons/Yr: 16.2036694
Carbon Monoxide Emissions Tons/Yr: 505.074
NOX - Oxides of Nitrogen Tons/Yr: 308.63
SOX - Oxides of Sulphur Tons/Yr: 12.95
Particulate Matter Tons/Yr: 2298.270900012790859
Part. Matter 10 Micrometers and Smllr Tons/Yr: 1156.15876

Name: U.S. BORAX
Address: 14486 BORAX ROAD
City,State,Zip: BORON, CA 93516
Year: 2008
County Code: 15
Air Basin: MD
Facility ID: 28
Air District Name: KER
SIC Code: 1474
Air District Name: KERN COUNTY APCD
Community Health Air Pollution Info System: Y
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 138.3890688421242466
Reactive Organic Gases Tons/Yr: 14.366

US BORAX PLANT (Continued) **S105193265**

Carbon Monoxide Emissions Tons/Yr:	104.869
NOX - Oxides of Nitrogen Tons/Yr:	151.7
SOX - Oxides of Sulphur Tons/Yr:	1.8433
Particulate Matter Tons/Yr:	1472.631837007472888
Part. Matter 10 Micrometers and Smllr Tons/Yr:	789.77

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2008
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.095
Reactive Organic Gases Tons/Yr:	.557083
Carbon Monoxide Emissions Tons/Yr:	2.275
NOX - Oxides of Nitrogen Tons/Yr:	43.56
SOX - Oxides of Sulphur Tons/Yr:	.406
Particulate Matter Tons/Yr:	16.74
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16.64

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2009
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.0949999999999998
Reactive Organic Gases Tons/Yr:	0.55708299999999999
Carbon Monoxide Emissions Tons/Yr:	2.2749999999999999
NOX - Oxides of Nitrogen Tons/Yr:	43.560000000000002
SOX - Oxides of Sulphur Tons/Yr:	0.40600000000000003
Particulate Matter Tons/Yr:	16.739999999999998
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16.640000000000001

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2010
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Y

US BORAX PLANT (Continued) **S105193265**

Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.0949999999999998
Reactive Organic Gases Tons/Yr:	0.55708299999999999
Carbon Monoxide Emissions Tons/Yr:	2.2749999999999999
NOX - Oxides of Nitrogen Tons/Yr:	43.560000000000002
SOX - Oxides of Sulphur Tons/Yr:	0.40600000000000003
Particulate Matter Tons/Yr:	16.739999999999998
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16.639559999999999

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2011
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.095
Reactive Organic Gases Tons/Yr:	0.557083
Carbon Monoxide Emissions Tons/Yr:	2.275
NOX - Oxides of Nitrogen Tons/Yr:	43.56
SOX - Oxides of Sulphur Tons/Yr:	0.406
Particulate Matter Tons/Yr:	16.74
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16.63956

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2011
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	135.75311506
Reactive Organic Gases Tons/Yr:	13.73
Carbon Monoxide Emissions Tons/Yr:	98.27
NOX - Oxides of Nitrogen Tons/Yr:	141.33
SOX - Oxides of Sulphur Tons/Yr:	1.69
Particulate Matter Tons/Yr:	95.906395898
Part. Matter 10 Micrometers and Smllr Tons/Yr:	86.41

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2012
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER

US BORAX PLANT (Continued) **S105193265**

SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	122.38291619
Reactive Organic Gases Tons/Yr:	12.4
Carbon Monoxide Emissions Tons/Yr:	92.62
NOX - Oxides of Nitrogen Tons/Yr:	128.253
SOX - Oxides of Sulphur Tons/Yr:	1.589
Particulate Matter Tons/Yr:	92.002135032
Part. Matter 10 Micrometers and Smllr Tons/Yr:	82.77

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2012
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.095
Reactive Organic Gases Tons/Yr:	0.557083
Carbon Monoxide Emissions Tons/Yr:	2.275
NOX - Oxides of Nitrogen Tons/Yr:	43.56
SOX - Oxides of Sulphur Tons/Yr:	0.406
Particulate Matter Tons/Yr:	16.74
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16.63956

Name:	MOJAVE COGENERATION COMPANY
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2013
County Code:	15
Air Basin:	MD
Facility ID:	593
Air District Name:	KER
SIC Code:	4961
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6.095
Reactive Organic Gases Tons/Yr:	0.557083
Carbon Monoxide Emissions Tons/Yr:	2.275
NOX - Oxides of Nitrogen Tons/Yr:	43.56
SOX - Oxides of Sulphur Tons/Yr:	0.406
Particulate Matter Tons/Yr:	16.74
Part. Matter 10 Micrometers and Smllr Tons/Yr:	16.63956

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2013
County Code:	15

US BORAX PLANT (Continued) **S105193265**

Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	151.19418897
Reactive Organic Gases Tons/Yr:	15.33
Carbon Monoxide Emissions Tons/Yr:	103.26
NOX - Oxides of Nitrogen Tons/Yr:	174.57
SOX - Oxides of Sulphur Tons/Yr:	1.77
Particulate Matter Tons/Yr:	105.23035547
Part. Matter 10 Micrometers and Smllr Tons/Yr:	95.29

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2014
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	151.6058706
Reactive Organic Gases Tons/Yr:	15.7144
Carbon Monoxide Emissions Tons/Yr:	101.59
NOX - Oxides of Nitrogen Tons/Yr:	182.4545
SOX - Oxides of Sulphur Tons/Yr:	1.7454
Particulate Matter Tons/Yr:	103.37109722
Part. Matter 10 Micrometers and Smllr Tons/Yr:	93.1316

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2015
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	KERN COUNTY APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	151.6058706
Reactive Organic Gases Tons/Yr:	15.7144
Carbon Monoxide Emissions Tons/Yr:	101.59
NOX - Oxides of Nitrogen Tons/Yr:	182.4545
SOX - Oxides of Sulphur Tons/Yr:	1.7454
Particulate Matter Tons/Yr:	103.37109722
Part. Matter 10 Micrometers and Smllr Tons/Yr:	93.1316

Name:	U.S. BORAX
Address:	14486 BORAX ROAD

US BORAX PLANT (Continued) **S105193265**

City,State,Zip:	BORON, CA 93516
Year:	2016
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	179.341626
Reactive Organic Gases Tons/Yr:	17.8764
Carbon Monoxide Emissions Tons/Yr:	102.7127
NOX - Oxides of Nitrogen Tons/Yr:	183.6454
SOX - Oxides of Sulphur Tons/Yr:	1.87
Particulate Matter Tons/Yr:	109.29311538
Part. Matter 10 Micrometers and Smllr Tons/Yr:	97.9292

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	185.19343719
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	102.7127
NOX - Oxides of Nitrogen Tons/Yr:	171.38
SOX - Oxides of Sulphur Tons/Yr:	1.8101
Particulate Matter Tons/Yr:	106.75304595
Part. Matter 10 Micrometers and Smllr Tons/Yr:	98.0001

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2018
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	185.17450079
Reactive Organic Gases Tons/Yr:	18.8322
Carbon Monoxide Emissions Tons/Yr:	99.1183
NOX - Oxides of Nitrogen Tons/Yr:	157.9844
SOX - Oxides of Sulphur Tons/Yr:	1.7716
Particulate Matter Tons/Yr:	113.01974742
Part. Matter 10 Micrometers and Smllr Tons/Yr:	99.8861

US BORAX PLANT (Continued) **S105193265**

Name:	U.S. BORAX
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Year:	2019
County Code:	15
Air Basin:	MD
Facility ID:	28
Air District Name:	KER
SIC Code:	1474
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	185.52113413
Reactive Organic Gases Tons/Yr:	18.44
Carbon Monoxide Emissions Tons/Yr:	99.1183
NOX - Oxides of Nitrogen Tons/Yr:	180.47
SOX - Oxides of Sulphur Tons/Yr:	1.8201
Particulate Matter Tons/Yr:	113.562441
Part. Matter 10 Micrometers and Smllr Tons/Yr:	100.6941

AD270 **GANGUE/OVERBURDEN/REF WASTE** **FINDS** **1023300591**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 49 of 82 in cluster AD**

Actual:
2397 ft.

FINDS:
Registry ID: 110065926449

Focus Map:
51

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AD271 **BORON MINE FACILITY** **FINDS** **1023348489**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 50 of 82 in cluster AD**

Actual:
2397 ft.

FINDS:
Registry ID: 110066446448

Focus Map:
51

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AD272 **U S BORAX INC** **CPS-SLIC** **1000164326**
East **14486 BORAX ROAD** **AST** **N/A**
1/4-1/2 **BORON, CA** **CHMIRS**
0.287 mi.
1513 ft. **Site 51 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

SLIC REG 6V:

Name:	US BORAX & CHEMICAL PONDS A THROUGH E
Address:	14486 BORAX RD.
City:	BORON
Facility ID:	SL206073825
Region:	6V
Personal Charge Account:	2060700
Facility Addr2:	Not reported
Case Number:	SL206073825
Initials:	ETL
Enter Date:	06/30/95
Discovered By:	RPR
RP Name:	US BORAX &1900
RP Contact Name:	US BORAX & CHEMICAL CORP.
RP Address:	BORAX RD.
RP City,St,Zip:	BCP UNKNOWN
RP Billing Addr:	Not reported
RB Billing Addr2:	Not reported
RP Billing Addr3:	Not reported
RP Billing Addr4:	Not reported
Comments:	Estimated hours for next 5 yrs = 650 hrs.
Brownfield:	Not reported
Report Date:	Not reported
Lead Agency:	Not reported
Program Type:	SLIC
Funding:	COSTRE
Abatement Method:	Not reported
Case Status:	7
Case Type:	Not reported
Case Type Undetermined:	No
Case Type Soil Impacted:	No
Case Type Surface Water:	No
Case Type Drinkin Water Well:	No
Case Type Drinking Water Aqfr:	No
Case Type Other Grnd Wtr:	No
Beneficial Use:	AS_T,IS_I
VOC:	No
SVO:	No
MET:	No
CR:	Yes
PET:	No
PCB:	No
ACD:	No
PER:	No
DIO:	No
PAH:	No
PHC:	No
FER:	No
Arsenic:	No
PCE:	No
TCE:	No
TDS:	No
Nitrates:	No

U S BORAX INC (Continued) **1000164326**

OCP: No
Lat/Long: 35.0048188745519 / -117.652511182795

AST:
Name: U S BORAX INC
Address: 14486 BORAX ROAD
City/Zip: BORON,
Certified Unified Program Agencies: Kern
Owner: U S BORAX INC
Total Gallons: 12,211,985
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported
Mailing Address: Not reported
Mailing Address City: Not reported
Mailing Address State: Not reported
Mailing Address Zip Code: Not reported
Operator Name: Not reported
Operator Phone: Not reported
Owner Phone: Not reported
Owner Mail Address: Not reported
Owner State: Not reported
Owner Zip Code: Not reported
Owner Country: Not reported
Property Owner Name: Not reported
Property Owner Phone: Not reported
Property Owner Mailing Address: Not reported
Property Owner City: Not reported
Property Owner Stat : Not reported
Property Owner Zip Code: Not reported
Property Owner Country: Not reported
EPAID: Not reported

CHMIRS:
Name: Not reported
Address: 14486 BORAX RD.
City,State,Zip: BORON, CA
OES Incident Number: 5-0913
OES notification: 02/10/2005
OES Date: Not reported
OES Time: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported

U S BORAX INC (Continued) **1000164326**

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	US Borax
Incident Date:	2/10/200512:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Boric Acid Pond Waste Water
Gallons:	10,000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The inflows became greater than the out flows and they spilled through the spillway pipe.
Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	2-3657
OES notification:	07/05/2002
OES Date:	Not reported

U S BORAX INC (Continued) **1000164326**

OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	US Borax
Incident Date:	7/1/200212:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Borax Tailings Material
Gallons:	2,500
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported

U S BORAX INC (Continued) **1000164326**

#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The substance is a Bevill exempt material While pumping material through a pipeline and the 90 degree elbow on the pipeline separated. This amount includes 6.6 pounds of arsenic.
Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	5-4302
OES notification:	07/20/2005
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2005
Agency:	NRC
Incident Date:	7/17/200512:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported

U S BORAX INC (Continued) **1000164326**

Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Arsenic
Gallons:	0.000000
Pounds:	25
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Via NRC report, wastewater containing arsenic spilled onto the soil from a break in a wastewater process line.

Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	08-2318
OES notification:	03/25/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported

U S BORAX INC (Continued) **1000164326**

Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	0900
Year:	2008
Agency:	Borax
Incident Date:	3/25/2008
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Boric Acid Tailings
Quantity Released:	84000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The substance spilled from a broken line.
Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	12-5233
OES notification:	08/31/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported

U S BORAX INC (Continued) **1000164326**

Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1900
Year:	2012
Agency:	US Borax
Incident Date:	8/30/2012
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Storm Water with "Tailings" including Arsenic
Quantity Released:	16,000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states: A major thunderstorm led to excess storm water onsite and took out the electricity of the area; all of the storm water went into sump. They were unable to pump due to lack of power and the sump overflowed causing the release to a catchment. The release was contained within the system. The catchment is on-line.

AD273 **EIF MOJAVE LLC** **HAZNET** **S113158885**
East **14486 BORAX RD** **HWTS** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 52 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

HAZNET:

Name:	EIF MOJAVE LLC
Address:	14486 BORAX RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	DR. TED GUTH
Telephone:	6199871111
Mailing Name:	Not reported
Mailing Address:	102 MAIN ST STE 200
Year:	2016
Gepaid:	CAL000353705
TSD EPA ID:	ARD981057870
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1
Year:	2015
Gepaid:	CAL000353705
TSD EPA ID:	ARD981057870
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0015
Year:	2015
Gepaid:	CAL000353705
TSD EPA ID:	ARD981057870
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	1.35
Year:	2015
Gepaid:	CAL000353705
TSD EPA ID:	ARD981057870
CA Waste Code:	352 - Other organic solids
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.6
Year:	2014
Gepaid:	CAL000353705
TSD EPA ID:	CAD982446882
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	-
Tons:	5.13
Year:	2012
Gepaid:	CAL000353705
TSD EPA ID:	ARD981057870
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.85

EIF MOJAVE LLC (Continued) **S113158885**

Year:	2011
Gepaid:	CAL000353705
TSD EPA ID:	ARD981057870
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.0625

Year:	2010
Gepaid:	CAL000353705
TSD EPA ID:	ARD981057870
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.125

Additional Info:

Year:	2015
Gen EPA ID:	CAL000353705
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:22
Receipt Date:	20151020
Manifest ID:	008929607FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:22
Receipt Date:	20151020
Manifest ID:	008929607FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

EIF MOJAVE LLC (Continued) **S113158885**

RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:22
Receipt Date:	20151020
Manifest ID:	008929607FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:22
Receipt Date:	20151020
Manifest ID:	008929607FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

EIF MOJAVE LLC (Continued) **S113158885**

Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAL000353705
Shipment Date:	20110124
Creation Date:	7/5/2011 18:30:12
Receipt Date:	20110128
Manifest ID:	004208245FLE
Trans EPA ID:	CAR000179382
Trans Name:	ENV ENVIRONMENTAL INTERNATIONAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000353705
Shipment Date:	20101004
Creation Date:	2/23/2011 18:30:31
Receipt Date:	20101007
Manifest ID:	003219505FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

EIF MOJAVE LLC (Continued) **S113158885**

Additional Code 5: Not reported

Additional Info:
Year: 2012
Gen EPA ID: CAL000353705

Shipment Date: 20120807
Creation Date: 1/13/2013 22:15:14
Receipt Date: 20120810
Manifest ID: 004686882FLE
Trans EPA ID: NJD986607380
Trans Name: MAUMEE EXPRESS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: ARD981057870
Trans Name: RINECO
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20120308
Creation Date: 8/29/2012 22:15:11
Receipt Date: 20120318
Manifest ID: 004684136FLE
Trans EPA ID: NJD986607380
Trans Name: MAUMEE EXPRESS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: ARD981057870
Trans Name: RINECO
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.7
Waste Quantity: 1400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016

EIF MOJAVE LLC (Continued) **S113158885**

Gen EPA ID:	CAL000353705
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:22
Receipt Date:	20151020
Manifest ID:	008929607FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:22
Receipt Date:	20151020
Manifest ID:	008929607FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:22
Receipt Date:	20151020
Manifest ID:	008929607FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS

EIF MOJAVE LLC (Continued) **S113158885**

Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:22
Receipt Date:	20151020
Manifest ID:	008929607FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000353705

Shipment Date:	20140303
Creation Date:	5/9/2014 22:14:57
Receipt Date:	20140304
Manifest ID:	004219356SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446882
Trans Name:	SAFETY-KLEEN OF CALIFORNIA INC
TSDF Alt EPA ID:	Not reported

EIF MOJAVE LLC (Continued) **S113158885**

TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	5.13
Waste Quantity:	1350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	EIF MOJAVE LLC
Address:	14486 BORAX RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000353705
Inactive Date:	06/30/2017
Create Date:	06/22/2010
Last Act Date:	04/04/2016
Mailing Name:	Not reported
Mailing Address:	102 MAIN ST STE 200
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PARK RIDGE, IL 60068
Owner Name:	LAKESHORE MOJAVE LLC
Owner Address:	102 MAIN ST STE 200
Owner Address 2:	Not reported
Owner City,State,Zip:	PARK RIDGE, IL 60068
Contact Name:	DR. TED GUTH
Contact Address:	3850 EL CANTO DR
Contact Address 2:	Not reported
City,State,Zip:	SPRING VALLEY, CA 91977

NAICS:

EPA ID:	CAL000353705
Create Date:	2011-04-05 10:18:11.997
NAICS Code:	22121
NAICS Description:	Natural Gas Distribution
Issued EPA ID Date:	2010-06-22 10:08:35.57700
Inactive Date:	2017-06-30 00:00:00
Facility Name:	EIF MOJAVE LLC
Facility Address:	14486 BORAX RD
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

AD274 **U. S. BORAX & CHEMICAL CORP.** **RGA LUST** **S114708146**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 53 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

RGA LUST:

Name:	U. S. BORAX & CHEMICAL CORP.		
Address:	14486 BORAX RD		
City:	BORON		
State:	BORON		
	1998	U. S. BORAX & CHEMICAL CORP.	14486 BORAX RD
Name:	U. S. BORAX & CHEMICAL CORP.		
Address:	14486 BORAX RD		
City:	BORON		
State:	BORON		
	1997	U. S. BORAX & CHEMICAL CORP.	14486 BORAX RD
Name:	U. S. BORAX & CHEMICAL CORP.		
Address:	14486 BORAX RD		
City:	BORON		
State:	BORON		
	1996	U. S. BORAX & CHEMICAL CORP.	14486 BORAX RD
Name:	U. S. BORAX & CHEMICAL CORP.		
Address:	14486 BORAX RD		
City:	BORON		
State:	BORON		
	1995	U. S. BORAX & CHEMICAL CORP.	14486 BORAX RD
Name:	U. S. BORAX & CHEMICAL CORP.		
Address:	14486 BORAX RD		
City:	BORON		
State:	BORON		
	1994	U. S. BORAX & CHEMICAL CORP.	14486 BORAX RD
Name:	U. S. BORAX & CHEMICAL CORP.		
Address:	14486 BORAX RD		
City:	BORON		
State:	BORON		
	1993	U. S. BORAX & CHEMICAL CORP.	14486 BORAX RD

AD275 **US BORAX & CHEMICAL CORP** **SSTS** **1005438767**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 54 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

SSTS:

Name:	US BORAX & CHEMICAL CORP
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Report Year:	1997
Registration Number:	001624CA 002

Pre 2016:

Registration Number:	001624CA 002
Name:	US BORAX & CHEMICAL CORP
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported

US BORAX & CHEMICAL CORP (Continued) **1005438767**

Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX PESTICIDE GRADE
Product Code:	1
EPA Product Registration Number:	00162400124
Product Type:	2
Product Classification:	11
Product Use:	6
Market Type:	1
Product Unit of Measure:	T
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA 002
Name:	US BORAX & CHEMICAL CORP
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID
Product Code:	1
EPA Product Registration Number:	00162400117
Product Type:	2
Product Classification:	11
Product Use:	6
Market Type:	2
Product Unit of Measure:	T
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA 002
Name:	US BORAX & CHEMICAL CORP
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NEBOR PESTICIDE GRADE (MG)
Product Code:	1
EPA Product Registration Number:	00162400001
Product Type:	2
Product Classification:	10
Product Use:	5
Market Type:	1
Product Unit of Measure:	T
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

US BORAX & CHEMICAL CORP (Continued) **1005438767**

Registration Number:	001624CA 002
Name:	US BORAX & CHEMICAL CORP
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	PROTEAM SUPREME
Product Code:	1
EPA Product Registration Number:	05170800011
Product Type:	2
Product Classification:	20
Product Use:	5
Market Type:	1
Product Unit of Measure:	T
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA 002
Name:	US BORAX & CHEMICAL CORP
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	SPORAX
Product Code:	1
EPA Product Registration Number:	00293500501
Product Type:	2
Product Classification:	20
Product Use:	2
Market Type:	1
Product Unit of Measure:	T
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

AD276 **U.S. BORAX** **FTTS** **1010782113**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 55 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

FTTS INSP:

Inspection Number:	200706281415 1
Region:	09
Inspection Date:	06/28/07
Inspector:	BCURUTCHAGUE
Violation occurred:	No
Investigation Type:	General Product Review

U.S. BORAX (Continued) **1010782113**

Investigation Reason: Neutral Scheme, State
Legislation Code: FIFRA
Facility Function: Producer

AD277 **U S BORAX** **SSTS** **1009307459**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 56 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

SSTS:

Name:	U S BORAX
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Report Year:	2004
Registration Number:	001624CA002

Pre 2016:

Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE
Product Code:	0
EPA Product Registration Number:	100162400124
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID, MUP
Product Code:	0
EPA Product Registration Number:	100162400117
Product Type:	1
Product Classification:	01
Product Use:	2
Market Type:	2

U S BORAX (Continued) **1009307459**

Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NEBOR, BORAX PENTAHYDRATE (MFG GRADE)
Product Code:	0
EPA Product Registration Number:	100162400001
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Report Year:	2005
Registration Number:	001624CA002

Pre 2016:

Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE
Product Code:	0
EPA Product Registration Number:	00162400124
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported

U S BORAX (Continued) **1009307459**

Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID MG AND ALT BR NAMES (MUP)
Product Code:	0
EPA Product Registration Number:	00162400117
Product Type:	1
Product Classification:	01
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NEOBOR BORAX PENTAHYDRATE (MFG GRADE)
Product Code:	0
EPA Product Registration Number:	00162400001
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	Not reported
Zero Production:	Not reported
RUP:	Not reported

Report Year:	2002
Registration Number:	001624CA002

Pre 2016:

Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE
Product Code:	1
EPA Product Registration Number:	00162400124

U S BORAX (Continued) **1009307459**

Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID, MUP
Product Code:	1
EPA Product Registration Number:	00162400117
Product Type:	1
Product Classification:	01
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NEBOR, BORAX PENTAHYDRATE (MFG GRADE)
Product Code:	1
EPA Product Registration Number:	00162400001
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported
Report Year:	2003
Registration Number:	001624CA002

U S BORAX (Continued) **1009307459**

Pre 2016:

Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORAX DECAHYDRATE MANUFACTURING GRADE
Product Code:	1
EPA Product Registration Number:	00162400124
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	BORIC ACID, MUP
Product Code:	1
EPA Product Registration Number:	00162400117
Product Type:	1
Product Classification:	01
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

Registration Number:	001624CA002
Name:	U S BORAX
Address:	14486 BORAX RD
Address 2:	Not reported
Country Code:	Not reported
Country:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Telephone:	Not reported
Contact Email:	Not reported
Product Name:	NEBOR, BORAX PENTAHYDRATE (MFG GRADE)
Product Code:	1

U S BORAX (Continued) **1009307459**

EPA Product Registration Number:	00162400001
Product Type:	1
Product Classification:	21
Product Use:	2
Market Type:	2
Product Unit of Measure:	Not reported
Region:	09
Zero Production:	Not reported
RUP:	Not reported

AD278 **ERNS** **2013045509**
East **14486 BORAX RD.** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 57 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

AD279 **U S BORAX AND CHEMICAL** **SWEEPS UST** **S101631050**
East **14486 BORAX RD** **CA FID UST** **N/A**
1/4-1/2 **BORON, CA 93516** **CHMIRS**
0.287 mi.
1513 ft. **Site 58 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

SWEEPS UST:

Name:	U S BORAX AND CHEMICAL
Address:	14486 BORAX RD
City:	BORON
Status:	Active
Comp Number:	16901
Number:	1
Board Of Equalization:	Not reported
Referral Date:	05-28-92
Action Date:	05-28-92
Created Date:	05-22-92
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-016901-000001
Tank Status:	A
Capacity:	15000
Active Date:	05-28-92
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	15000370
Regulated By:	UTNKA
Regulated ID:	Not reported

U S BORAX AND CHEMICAL (Continued) **S101631050**

Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	6197627000
Mail To:	Not reported
Mailing Address:	14486 BORAX RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BORON 935162000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CHMIRS:

Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA
OES Incident Number:	10-5458
OES notification:	09/10/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported

U S BORAX AND CHEMICAL (Continued) **S101631050**

Date/Time:	1300
Year:	2010
Agency:	US Borax
Incident Date:	9/10/2010
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sewage
Quantity Released:	1000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A blockage in sewer line caused spill. The spill is contained.
Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA
OES Incident Number:	12-6491
OES notification:	10/26/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

U S BORAX AND CHEMICAL (Continued) **S101631050**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2015
Year:	2012
Agency:	US Borax
Incident Date:	10/26/2012
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	75
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	The caller is reporting a hydraulic line on truck broke and spilled hydraulic fluid.
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	08-1492
OES notification:	02/21/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported

U S BORAX AND CHEMICAL (Continued) **S101631050**

Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1630
Year:	2008
Agency:	US Forest
Incident Date:	2/20/2008
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	waste water with arsenic, 5 mol mother liquor
Quantity Released:	100,000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	RP States: The 5 mol tank overflowed and the overflow overwhelmed the sump system and the

U S BORAX AND CHEMICAL (Continued) **S101631050**

release went onto the dirt. This is the US BORAX mine.

Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	12-5889
OES notification:	09/30/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	300
Year:	2012
Agency:	US Borax
Incident Date:	9/30/2012
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Aresenic
Quantity Released:	5.9
Unknown:	Not reported
Substance #2:	Not reported

U S BORAX AND CHEMICAL (Continued) **S101631050**

Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Per the caller there was a 5,000 gallon spill of tailings, which included 5.9 pounds of arsenic. The spill occured about 0300 this morning in an 8" above ground pipe, the pipe is HTPE and there was a break at a fitting where two sections come together. The spill was onto an unpaved area, there are no bodies of water and no public access. There is a vacuum truck that recovered about 95% of the spill and they will be scraping some of the dirt.

Name:	Not reported
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA
OES Incident Number:	10-6445
OES notification:	10/26/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported

U S BORAX AND CHEMICAL (Continued) **S101631050**

Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2120
Year:	2010
Agency:	Rio Pinto Operations
Incident Date:	10/23/2010
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Fuel
Quantity Released:	750
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A driver forgot to disconnect line during refueling and drove off breaking the connection. The fuel spilled into a bermed area and was contained there. The fuel was vacuumed up.

Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	10-5158
OES notification:	08/27/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

U S BORAX AND CHEMICAL (Continued) **S101631050**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Rreporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Unknown
Other:	Not reported
Date/Time:	1630
Year:	2010
Agency:	Rio Tinto Mineral
Incident Date:	8/26/2010
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sump water
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Severe thunderstorm caused release of sump water which contains an unknown amount of arsenic, Water flowed for approximately 1 hour. Water flowed into the dirt before being contained. This is an open pit borax mine. RP handling clean up and disposal.

AD280 **ERNS** **2004735774**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA**
0.287 mi.
1513 ft. **Site 59 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD281 **ERNS** **2002621165**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 60 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD282 **U S BORAX INC** **AST** **A100425524**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 61 of 82 in cluster AD**

Actual:
2397 ft.

AST:

Name:	U S BORAX INC
Address:	14486 BORAX RD
City/Zip:	BORON,93516
Certified Unified Program Agencies:	Not reported
Owner:	U.S. BORAX INC
Total Gallons:	Not reported
CERSID:	10231831
Facility ID:	Not reported
Business Name:	U S BORAX INC
Phone:	(760) 762-7000
Fax:	Not reported
Mailing Address:	14486 BORAX RD
Mailing Address City:	BORON
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	Rio Tinto Minerals, Boron Operations (U.S. Borax Inc.)
Operator Phone:	760-762-7000
Owner Phone:	(760) 762-7501
Owner Mail Address:	14486 BORAX RD
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Rio Tinto Minerals
Property Owner Phone:	Not reported

Focus Map:
51

U S BORAX INC (Continued) **A100425524**

Property Owner Mailing Address: 8051 E. Maplewood AVE
Property Owner City: Greenwood Village
Property Owner Stat : CO
Property Owner Zip Code: 80111
Property Owner Country: United States
EPAID: CAD008323255

AD283 **ERNS** **2003656488**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 62 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD284 **ERNS** **2021302362**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 63 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD285 **US BORAX BORON OPERATIONS** **SWF/LF** **S101612518**
East **14486 BORAX RD** **LUST** **N/A**
1/4-1/2 **BORON, CA 93516** **WMUDS/SWAT**
0.287 mi. **CERS HAZ WASTE**
1513 ft. **Site 64 of 82 in cluster AD** **CERS TANKS**
CHMIRS
Actual: **LDS**
2397 ft. **CUPA Listings**
ENF
Focus Map: **Financial Assurance**
51 **WDS**
CIWQS
CERS

SWF/LF (SWIS):
Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City,State,Zip: BORON, CA 93516
Region: STATE
Facility ID: 15-AA-0278
SWIS Number: 15-AA-0278

US BORAX BORON OPERATIONS (Continued) **S101612518**

Point of Contact:	Christine Karl
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	Yes
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	1.1001797283e+11
ARB District:	Kern
SWRCB Region:	Lahontan
Local Government:	Kern County (Unincorporated)
Reporting Agency Legal Name:	County of Kern
Reporting Agency Department:	Environmental Health Division
Enforcing Agency Legal Name:	County of Kern
Enforcing Agency Department:	Environmental Health Division
Regulation Status:	Permitted

Activity:

SWIS Number:	15-AA-0278
Site Name:	U.S. Borax Inc-Gangue/Refuse Waste Pile
Activity:	Solid Waste Landfill
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Facility
WDR Number:	Not reported
WDR Landfill Class:	III
Cease Operation:	1/1/2023
Cease Operation Type:	Estimated
Inspection Frequency:	Monthly
Throughput:	443
Throughput Units:	Tons per day
Remaining Capacity:	1
Remaining Capacity Date:	2/25/2021
Capacity:	8500000
Capacity Units:	Cubic Yards
Total Acreage:	60
Disposal Acreage:	60
Permitted Elevation:	2635
Permitted Elevation Type:	MSL
Permitted Depth:	2425
Permitted Depth Type:	MSL
Point of Contact:	Christine Karl
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	Yes
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	1.1001797283e+11
County:	Kern
ARB District:	Kern
SWRCB Region:	Lahontan
Local Government:	Kern County (Unincorporated)

US BORAX BORON OPERATIONS (Continued) **S101612518**

Street Address:	14486 Borax Road
City:	Boron
State:	CA
ZIP Code:	93516
Reporting Agency Legal Name:	County of Kern
Reporting Agency Department:	Environmental Health Division
Enforcing Agency Legal Name:	County of Kern
Enforcing Agency Department:	Environmental Health Division

Operator:

SWIS Number:	15-AA-0278
Site Name:	U.S. Borax Inc-Gangue/Refuse Waste Pile
Site Operational Status:	Active
Site Type:	Disposal Only
Site Regulatory Status:	Permitted
Latitude:	35.04585
Longitude:	-117.70987
Is Archived:	No
Operator:	US Borax Inc-Boron
Started On:	8/16/1994
Contact Name:	Anthony Teske
Contact Title:	Environmental Manager
Contact Email:	Not reported
Contact Phone:	(760) 762-7000
Street Address:	14486 Borax Rd
Operator City:	Boron
Operator State:	CA
Operator Zip:	93516-2017

Owner:

SWIS Number:	15-AA-0278
Owner:	US Borax Inc-Boron
Owner Address:	14486 Borax Rd
Owner City:	Boron
Owner State:	CA
Owner Zip:	93516-2017
Site Name:	U.S. Borax Inc-Gangue/Refuse Waste Pile
Site Operational Status:	Active
Site Type:	Disposal Only
Site Regulatory Status:	Permitted
Latitude:	35.04585
Longitude:	-117.70987
Is Archived:	No
Started On:	8/16/1994
Contact Name:	Anthony Teske
Contact Title:	Environmental Manager
Contact Email:	Not reported
Contact Phone:	(760) 762-7000

Waste:

SWIS Number:	15-AA-0278
Site Name:	U.S. Borax Inc-Gangue/Refuse Waste Pile
Activity:	Solid Waste Landfill
Waste Type:	Construction/demolition
Site Is Archived:	No
Site Operational Status:	Active

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Disposal
Activity Classification:	Solid Waste Facility

SWIS Number:	15-AA-0278
Site Name:	U.S. Borax Inc-Gangue/Refuse Waste Pile
Activity:	Solid Waste Landfill
Waste Type:	Industrial
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Disposal
Activity Classification:	Solid Waste Facility

LUST:

Name:	US BORAX PLANT
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Lead Agency:	KERN COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T060292419
Global Id:	T060292419
Latitude:	35.0222155
Longitude:	-117.7033276
Status:	Completed - Case Closed
Status Date:	08/31/1992
Case Worker:	DAN
RB Case Number:	6B1501003T
Local Agency:	KERN COUNTY
File Location:	Not reported
Local Case Number:	550010
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T060292419
Contact Type:	Local Agency Caseworker
Contact Name:	DAN STARKEY
Organization Name:	KERN COUNTY
Address:	2700 M Street, Suite 300
City:	BAKERSFIELD
Email:	dans@co.kern.ca.us
Phone Number:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

LUST:
Global Id: T060292419
Action Type: Other
Date: 05/11/1992
Action: Leak Discovery

Global Id: T060292419
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T060292419
Action Type: Other
Date: 04/01/1992
Action: Leak Stopped

Global Id: T060292419
Action Type: Other
Date: 05/12/1992
Action: Leak Reported

LUST:
Global Id: T060292419
Status: Open - Case Begin Date
Status Date: 04/01/1992

Global Id: T060292419
Status: Completed - Case Closed
Status Date: 08/31/1992

WMUDS/SWAT:
Edit Date: 19951026
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Primary Waste: PROCES
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: SB
NPID: Not reported
Tonnage: 0
Regional Board ID: Not reported
Municipal Solid Waste: False
Superorder: False
Open To Public: False
Waste List: False
Agency Type: Private
Agency Name: US BORAX INC

US BORAX BORON OPERATIONS (Continued) **S101612518**

Agency Department:	ENGINEERING DEPT.
Agency Address:	14486 BORAX RD
Agency City,St,Zip:	BORON CA 935162000
Agency Contact:	DAVE WEISS
Agency Telephone:	7607627460
Land Owner Name:	US BORAX AND CHEMICAL CORP.
Land Owner Address:	N/A
Land Owner City,St,Zip:	BORON, CA 93516
Land Owner Contact:	MR. H. P. LIU
Land Owner Phone:	6197627000
Region:	6V
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	U.S. BORAX MINE & MILL
Primary SIC:	1474
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	EDWEDWJHM
Waste Discharge System:	True
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	True
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	U.S. BORAX AND CHEMICAL CORP.
Threat to Water Quality:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Sub Chapter 15:	True
Regional Board Project Officer:	EL
Number of WMUDS at Facility:	6
Section Range:	11N08W14
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	6B152004001
Solid Waste Information ID:	15-AA-0278

Edit Date:	Not reported
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Primary Waste:	SLDWST
Primary Waste Type:	Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid

US BORAX BORON OPERATIONS (Continued) **S101612518**

	waste).
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Private
Agency Name:	US BORAX INC
Agency Department:	Not reported
Agency Address:	14486 BORAX RD
Agency City,St,Zip:	BORON CA 935162000
Agency Contact:	DAVE WEISS
Agency Telephone:	7607627460
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	Not reported
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	6V
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	1474
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	True
Solid Waste Assessment Test Program:	False
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	Not reported
Threat to Water Quality:	Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Sub Chapter 15:	True
Regional Board Project Officer:	EL
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	No
Waste Discharge Requirements:	A
Self-Monitoring Rept. Frequency:	Quarterly Submittal
Waste Discharge System ID:	6B152004002
Solid Waste Information ID:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

CERS HAZ WASTE:

Name:	US BORAX BORON OPERATIONS
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Site ID:	404539
CERS ID:	10231831
CERS Description:	Hazardous Waste Generator

Name:	US BORAX BORON OPERATIONS
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Site ID:	404539
CERS ID:	10231831
CERS Description:	RCRA LQ HW Generator

CERS TANKS:

Name:	US BORAX BORON OPERATIONS
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Site ID:	404539
CERS ID:	10231831
CERS Description:	Aboveground Petroleum Storage

Name:	US BORAX BORON OPERATIONS
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Site ID:	404539
CERS ID:	10231831
CERS Description:	Underground Storage Tank

CHMIRS:

Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	21-1885
OES notification:	04/09/2021
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	mixtures
Date/Time:	1000
Year:	2021
Agency:	US Borax
Incident Date:	04/09/2021
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Oil, grease, and water mixture
Quantity Released:	3108
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that 3018 gallons of oil, grease, and water mixture (majority is water) was released onto the surrounding soil from the sump due to leak/overflow, the release has been stopped and contained, cleanup is underway by the contractor.
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	12-1794
OES notification:	03/27/2012

US BORAX BORON OPERATIONS (Continued) **S101612518**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2015
Year:	2012
Agency:	US Borax
Incident Date:	3/26/2012
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Motor Oil
Quantity Released:	500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states substance was released from a valve that failed during tank transfer. Substance released to a soil area. Caller states clean-up has been completed using vacuum truck and an excavator.
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	4-5734
OES notification:	10/08/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1600

US BORAX BORON OPERATIONS (Continued) **S101612518**

Year:	2014
Agency:	US Borax
Incident Date:	10/8/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	150
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	Caller states a drill rig had a hydraulic line fail releasing substance to soil. Area impacted is approximately 100 Square Ft. Caller states no impact to surface or ground water. Soil will be removed in the mining process.
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	16-5067
OES notification:	08/19/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Refinery
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	930
Year:	2016
Agency:	Rio Tinto Minerals
Incident Date:	08/19/2016
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Process Liquor
Quantity Released:	750
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP states that sample ports from the tailings tank to evaporation pond were left open due operator error resulting in the release of 750 gallons of process liquor onto nearby soil. The release is contained and cleanup is underway. No waterways have been i
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	0-4720

US BORAX BORON OPERATIONS (Continued) **S101612518**

OES notification:	10/13/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	US Borax
Incident Date:	10/11/200012:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Oil Field
E Date:	Not reported
Substance:	Ammonium Nitrate Prill
Gallons:	0.000000
Pounds:	4
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Is contained with-in a truck, and the auger on the truck broke. The ammonium nitrate was washed into a holding containment area within the mine.
Name:	Not reported
Address:	14486 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	17-2210
OES notification:	03/17/2017
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	none
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	OTHER
Measure:	Gal(s)
Other:	mixed
Type:	CHEMICAL

US BORAX BORON OPERATIONS (Continued) **S101612518**

Measure:	Lbs.
Other:	Not reported
Date/Time:	700
Year:	2017
Agency:	US Borax
Incident Date:	03/17/2017
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	none
E Date:	Not reported
Substance:	Waste Water Tailings,
Quantity Released:	2100
Unknown:	Not reported
Substance #2:	Arsenic 2.15
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	A pipeline broke, causing the release of material. Caller describes the release as a leak. This occurred at a mining facility. It is estimated the leak occurred from 0500 hours to 0800 hours. The caller states normal operating procedure is to test the material. The material tested for arsenic 2.15 lbs. This amount is greater than the reportable quantity of 1 lb. Caller is making appropriate notifications. The material impacted a dirt road. Caller states the material did not impact water, evaporation ponds, surface water, or ground water. The release is contained and the reporting party is actively working to clean up the material. Caller states they vacuumed up the material and will excavate the affected earth on Monday.
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
OES Incident Number:	8-2287
OES notification:	05/15/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	US Borax
Incident Date:	5/13/199812:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Sulphuric acid with softner water
Gallons:	1
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	1
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Description:	Pinhole leak in stainless pipe, repairs are complete, cleanup complete.
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	12-7976
OES notification:	12/28/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1000
Year:	2012
Agency:	US Borax
Incident Date:	12/28/2012
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sewage - Raw
Quantity Released:	1,200
Unknown:	Not reported
Substance #2:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Blockage in line to sewage lagoon caused release, material flowed onto soil, RP handled containment and clean up.
Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	0-1314
OES notification:	03/20/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	US Borax
Incident Date:	3/18/200012:00:00 AM
Admin Agency:	Kern Co. Environmental Health Services Dept
Amount:	Not reported
Contained:	Yes
Site Type:	Other
E Date:	Not reported
Substance:	Diesel
Gallons:	750
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Haul truck drove over the berm and ruptured the fuel tank

Name:	Not reported
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	4-5952
OES notification:	10/19/2014
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2000
Year:	2014
Agency:	US Borax
Incident Date:	10/18/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Processed Liquor
Quantity Released:	5000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Mechanical
Fatals:	No
Comments:	Not reported
Description:	RP states that a mechanical failure resulted in the release of approx 5000 gal of Processed Liquor which contains approx 2.69 lbs of arsenic. The release was onto the slab on the ground, into a ditch and onto a roadway. The release is contained, cleanup is complete, and no waterways were impacted.

LDS:

Name:	BORON MINE FACILITY (SURFACE IMPOUNDMENTS)
Address:	14486 BORAX RD

US BORAX BORON OPERATIONS (Continued) **S101612518**

City,State,Zip: BORON, CA 93516

Global Id: L10001386878
Latitude: 35.03969
Longitude: -117.7023
Case Type: Land Disposal Site
Status: Open - Operating
Status Date: 06/24/1976
Lead Agency: LAHONTAN RWQCB (REGION 6V)
Caseworker: CG
Local Agency: Not reported
RB Case Number: 6B152004001
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: L10001386878
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516

Global Id: L10005585471
Latitude: 35.04484
Longitude: -117.6980
Case Type: Land Disposal Site
Status: Open - Operating
Status Date: 10/26/2010
Lead Agency: LAHONTAN RWQCB (REGION 6V)
Caseworker: CG
Local Agency: Not reported
RB Case Number: 6B152004002
LOC Case Number: Not reported
File Location: Regional Board Warehouse
Potential Media Affect: Not reported
EDR Link ID: L10005585471
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

KERN CO CUPA:
Facility ID: FA0000958
CERS ID: 10231831
Name: U S BORAX INC
Address: 14486 BORAX RD
Address 2: 14486 BORAX RD
City,State,Zip: BORON, CA
Billing Status: Active, billable
Program Element: BUS PLAN LARGE HIGH RISK >5 UNITS
Program Element Code: CB9A
HMIRRP Due Date: 8/31/2013

US BORAX BORON OPERATIONS (Continued) **S101612518**

Current Inspection Date:	10/1/2021
Employee:	CUPA 3
Mailing Address:	14486 BORAX RD
Mailing Address 2:	Not reported
Mailing City:	BORON
Mailing State:	CA
Mailing Zip:	93516-2000

ENF:

Name:	GANGUE/OVERBURDEN/REF WASTE
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	226707
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004002
Reg Measure Id:	376452
Reg Measure Type:	WDR
Region:	Not reported
Order #:	R6V-2010-0048
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No

US BORAX BORON OPERATIONS (Continued) **S101612518**

Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	03/10/2014
Effective Date:	10/14/2010
Expiration/Review Date:	10/14/2020
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	394166
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	11/26/2013
Adoption/Issuance Date:	11/26/2013
Achieve Date:	Not reported
Termination Date:	11/26/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	SEL 11/26/2013 for US Borax Inc
Description:	Informed Discharger with an email that Table 4 was referenced in the SMR, but was not included in the SMR. Requested that Table 4 be submitted.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	GANGUE/OVERBURDEN/REF WASTE
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	226707
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254

US BORAX BORON OPERATIONS (Continued) **S101612518**

SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004002
Reg Measure Id:	146443
Reg Measure Type:	WDR
Region:	Not reported
Order #:	89-059
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	11/03/2010
Effective Date:	04/13/1989
Expiration/Review Date:	04/13/2020
Termination Date:	10/14/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	248961
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication

US BORAX BORON OPERATIONS (Continued) **S101612518**

Effective Date:	07/01/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/02/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004002
Description:	Spoke to Discharger on 7-1-02. Board staff should receive a writted report by 7-16-02.
Program:	LNDISP
Latest Milestone Completion Date:	7/16/2002
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	GANGUE/OVERBURDEN/REF WASTE
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	226707
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0
Threat To Water Quality:	2
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP

US BORAX BORON OPERATIONS (Continued) **S101612518**

Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004002
Reg Measure Id:	146443
Reg Measure Type:	WDR
Region:	Not reported
Order #:	89-059
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	11/03/2010
Effective Date:	04/13/1989
Expiration/Review Date:	04/13/2020
Termination Date:	10/14/2010
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	243824
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	04/20/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	4/24/2000
Termination Date:	04/20/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004002
Description:	Telephone conversation to request confirmation samples. 5-8-00 samples to be collected due June 1, 2000.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD

US BORAX BORON OPERATIONS (Continued) **S101612518**

City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	Not reported
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	377136
Region:	Not reported
Order / Resolution Number:	R6V-2006-0025
Enforcement Action Type:	Notice of Violation
Effective Date:	12/24/2010
Adoption/Issuance Date:	12/24/2010
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV - RIO TINTO MINERALS (12/24/2010)
Description:	NOV requires Discharger to submit results of the Tap Root Investigation and Updated Maintenance Procedures to prevent future releases of wastewater.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	Not reported
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	397542
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	12/11/2013
Adoption/Issuance Date:	12/11/2013
Achieve Date:	Not reported
Termination Date:	12/11/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 12/11/2013 for EIF Mojave, LLC
Description:	The facility was notified that they were in violation and that Antimony needed to be tested for during each sampling event of the surface impoundments.

US BORAX BORON OPERATIONS (Continued) **S101612518**

Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	Not reported
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	395155
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	12/11/2013
Adoption/Issuance Date:	12/11/2013
Achieve Date:	Not reported
Termination Date:	02/28/2014
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 12/11/2013 for EIF Mojave, LLC
Description:	Water Board staff is working with the discharger to take preventitive measures to avoid reoccurence.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	Not reported
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.004785

US BORAX BORON OPERATIONS (Continued) **S101612518**

Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	371430
Region:	Not reported
Order / Resolution Number:	R6V-2006-0025

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enforcement Action Type:	Notice of Violation
Effective Date:	09/14/2009
Adoption/Issuance Date:	09/14/2009
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV - RIO TINTO MINERALS (09/14/2009)
Description:	NOV requires Discharger to submit Revised Spill Report by Oct 1, 2009.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Program:	Not reported
Program Category1:	Not reported
Program Category2:	Not reported
# Of Programs:	Not reported
WDID:	6B152004001
Reg Measure Id:	160166
Reg Measure Type:	Unregulated
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	02/20/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	248691
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	08/27/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/02/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Clean up impacted soil and place on Gangue Waste Pile. Pump up 15,000 gallons wastewater to Reclamation Ponds.
Program:	Not reported
Latest Milestone Completion Date:	9/9/2002
# Of Programs1:	Not reported
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY

US BORAX BORON OPERATIONS (Continued) **S101612518**

Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	2
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISPOTH
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	306715
Reg Measure Type:	WDR
Region:	Not reported
Order #:	R6V-2006-0025
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	11/13/2015
Effective Date:	06/14/2006
Expiration/Review Date:	Not reported
Termination Date:	09/17/2015
WDR Review - Amend:	2/11/2015
WDR Review - Revise/Renew:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

WDR Review - Rescind:	9/17/2015
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	59 - Land Disposal Site not paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	356611
Region:	Not reported
Order / Resolution Number:	R6V-2006-0025
Enforcement Action Type:	Notice of Violation
Effective Date:	04/14/2008
Adoption/Issuance Date:	04/14/2008
Achieve Date:	Not reported
Termination Date:	04/30/2008
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Notice of Violation for US Borax Inc
Description:	Violation of Board Order No. R6V-2006-0025, Discharge Specification Section C (Prohibitions), Item 1 - discharge of wastewater other than to the authorized disposal sites specified in the Order.
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	252162
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Staff Enforcement Letter
Effective Date:	08/02/2004
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/31/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Discharger failed to submit 1st 2004 Semi-Annual SMR.

US BORAX BORON OPERATIONS (Continued) **S101612518**

Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	245548
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	11/04/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/02/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Prevent reoccurrence. Prevent automatic washdown to "R" Ponds.
Program:	LNDISP
Latest Milestone Completion Date:	11/18/2002
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785

US BORAX BORON OPERATIONS (Continued) **S101612518**

Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	244391
Region:	Not reported
Order / Resolution Number:	UNKNOWN

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enforcement Action Type:	Oral Communication
Effective Date:	11/08/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	11/21/2000
Termination Date:	11/08/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Spill from sump 5 - plant wastewater/thickener #4 water to ground surface ~ 500 gallons
Program:	LNDISP
Latest Milestone Completion Date:	11/21/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	244388
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	10/13/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	12/8/2000
Termination Date:	10/13/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Meeting with US Borax on 10-17-00 to discuss violations, characterize pond water, and evaluate alternative corrective action.
Program:	LNDISP
Latest Milestone Completion Date:	12/8/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

US BORAX BORON OPERATIONS (Continued) **S101612518**

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	244384
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	09/28/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	11/21/2000
Termination Date:	09/28/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	I requested US Borax to excavate and remove affected soil and to determine exact cause of overflow. Follow-up report is due 10-28-00.
Program:	LNDISP
Latest Milestone Completion Date:	11/21/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	244341
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	09/24/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	10/11/2000
Termination Date:	09/24/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Awaiting sample results to determine extent of violation -

US BORAX BORON OPERATIONS (Continued) **S101612518**

	verbal enforcement.
Program:	LNDISP
Latest Milestone Completion Date:	10/11/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	244126
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	06/22/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	7/22/2000
Termination Date:	06/22/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Hydraulic oil (1-200 gallons) discharged to mine pit at 800' below ground surface (bgs). Illegal discharge, non permitted discharge will be cleaned up. Hydraulic excavator burned & release the oil. Awaiting cool down to excavate/remove contaminated oil
Program:	LNDISP
Latest Milestone Completion Date:	7/22/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining

US BORAX BORON OPERATIONS (Continued) **S101612518**

Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination

US BORAX BORON OPERATIONS (Continued) **S101612518**

Direction/Voice:	Passive
Enforcement Id(EID):	244032
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice to Comply
Effective Date:	06/06/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	7/6/2000
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Discharger indicates repair will be complete in 1 week.
Program:	LNDISP
Latest Milestone Completion Date:	7/6/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC

US BORAX BORON OPERATIONS (Continued) **S101612518**

Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	243819
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	03/20/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	3/23/2000
Termination Date:	03/20/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	740 gallon spill OD diesel to top of overburden pile because diesel fueled loader hit a rock and punctured its fuel tank. Spill area 100’ x 120’ x 3" thick. No spill to ground surface water or ground water.
Program:	LNDISP
Latest Milestone Completion Date:	3/23/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

US BORAX BORON OPERATIONS (Continued) **S101612518**

Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001

US BORAX BORON OPERATIONS (Continued) **S101612518**

Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	243775
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice of Violation
Effective Date:	03/06/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	3/26/2000
Termination Date:	03/06/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	An expansion joint at the tailings tank failed releasing approximately. 200 gal of 9 to 12% borate effluent solution to secondary containment and to ground surface.
Program:	LNDISP
Latest Milestone Completion Date:	3/26/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	241177
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	03/18/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/02/2011
ACL Issuance Date:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Informed discharger on 3-18-02 to file a spill report documenting spill clean-up by 4-1-02.
Program:	LNDISP
Latest Milestone Completion Date:	4/1/2002
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008

US BORAX BORON OPERATIONS (Continued) **S101612518**

Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	238820
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	12/27/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	02/02/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Foreman on duty will give further details of spill on 12-31-01.
Program:	LNDISP
Latest Milestone Completion Date:	1/11/2002
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining

US BORAX BORON OPERATIONS (Continued) **S101612518**

Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I

US BORAX BORON OPERATIONS (Continued) **S101612518**

Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	238716
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	10/22/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	10/26/2001
Termination Date:	10/22/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Clean up diesel spill to background. Cleanup completed 10/23/01 rpt rec'd on 10/26/01
Program:	LNDISP
Latest Milestone Completion Date:	10/26/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A

US BORAX BORON OPERATIONS (Continued) **S101612518**

Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	235356
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	07/10/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	7/24/2001
Termination Date:	07/10/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Recommend that US Borax drain the tank and repair. This is the second ccurrence since April.
Program:	LNDISP
Latest Milestone Completion Date:	7/24/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0

US BORAX BORON OPERATIONS (Continued) **S101612518**

Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0
Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001

US BORAX BORON OPERATIONS (Continued) **S101612518**

Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	234683
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	03/28/2001
Adoption/Issuance Date:	Not reported
Achieve Date:	4/11/2001
Termination Date:	03/28/2001
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	Spill of diesel fuel to ground surface and fueling area.
Program:	LNDISP
Latest Milestone Completion Date:	4/11/2001
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391

US BORAX BORON OPERATIONS (Continued) **S101612518**

NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	223144
Region:	Not reported
Order / Resolution Number:	R6V-1998-0022
Enforcement Action Type:	Admin Civil Liability
Effective Date:	04/16/1998
Adoption/Issuance Date:	Not reported
Achieve Date:	5/7/1998
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical

US BORAX BORON OPERATIONS (Continued) **S101612518**

Title:	Enforcement - 6B152004001
Description:	U.S BORAX DISCHARGED 7000 GALLONS OF COMMERCIAL GRADE SULFURIC ACID IN POND #6, VIOLATION OF WDRS.
Program:	LNDISP
Latest Milestone Completion Date:	7/8/2003
# Of Programs1:	1
Total Assessment Amount:	105000
Initial Assessed Amount:	0
Liability $ Amount:	105000
Project $ Amount:	0
Liability $ Paid:	105000
Project $ Completed:	0
Total $ Paid/Completed Amount:	105000

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business
# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	219702
Region:	Not reported
Order / Resolution Number:	85-016
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	12/31/1985
Adoption/Issuance Date:	Not reported
Achieve Date:	5/10/1990
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	REPORT SUBMITTAL & CLEANUP PLAN FOR LEAKING PONDS
Program:	LNDISP
Latest Milestone Completion Date:	5/10/1990
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	210080
Agency Name:	US Borax Inc
Place Type:	Mining
Place Subtype:	Salt Mining
Facility Type:	Industrial
Agency Type:	Privately-Owned Business

US BORAX BORON OPERATIONS (Continued) **S101612518**

# Of Agencies:	1
Place Latitude:	35.004785
Place Longitude:	-117.703254
SIC Code 1:	1474
SIC Desc 1:	Potash, Soda, and Borate Minerals
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	212391
NAICS Desc 1:	Potash, Soda, and Borate Mineral Mining
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	3
Threat To Water Quality:	1
Complexity:	A
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Process waste, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LNDISP
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B152004001
Reg Measure Id:	148008
Reg Measure Type:	WDR
Region:	Not reported
Order #:	01-019
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	04/11/2001
Effective Date:	04/11/2001
Expiration/Review Date:	04/11/2006
Termination Date:	04/11/2006
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	19 - Non Billable by Administrative Determination
Direction/Voice:	Passive
Enforcement Id(EID):	219576

US BORAX BORON OPERATIONS (Continued) **S101612518**

Region:	Not reported
Order / Resolution Number:	90-03701
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	05/10/1990
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B152004001
Description:	DISCHARGER REEVALUATING CLEANUP NEEDS. CAO BY REVISED WDR 90-03701
Program:	LNDISP
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CA Financial Assurance 2:

Name:	U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address:	14486 BORAX ROAD
City,State,Zip:	BORON, CA 93516
Region:	2
SWIS_NO:	15-AA-0278
Closure Approved:	Yes
Closure Inf Coverage Date:	06/01/2019
Closure Plan Coverage:	7728204
Closure Plan Date:	11/01/2012
PostClose Approved:	Yes
PostClose Adequacy Date:	11/01/2012
PostClose Inf Coverage:	1667091
PostClose Inf Coverage Date:	06/01/2019
CorActCoverage:	529161
CorActApproved:	Yes
CorAct Mec Adequacy Date:	Not reported
CorAct Inf Coverage:	529161
CorActPlanCoverage:	1415820
CorAct Plan Date:	02/05/2020
Lia Coverage:	2000000
Lia Approved:	Yes
Review:	10/30/2019
Closure Mechanism A:	LETTER OF CREDIT
Closure Mechanism B:	Not reported
Closure Coverage:	8627559
Closure Adequacy:	Not reported
Closure Inflation Estimate:	8627559
Post Closure Mechanism A:	LETTER OF CREDIT
Post Closure Established A:	09/20/2019
Post Closure Mechanism B:	Not reported
Post Closure Coverate:	1667091
Post Closure Adequacy:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Corrective Action Established A:	09/20/2019
Corrective Actiont Coverage:	529161
Corrective Action Approved:	Yes
Corrective Action Inflation Estimate:	529161
Corrective Action Inflationdate:	06/01/2019
Corrective Action Plan Estimate:	1415820
Liability Mechanism A:	INSURANCE
Liability Established A:	05/01/1996
Liability Mechanism B:	Not reported
CostAnniversary:	11/01/2012
ClosureEstablishedA:	09/20/2019
ClosureEstablishedB:	Not reported
ClosureDisbursement:	0
PostClosureEstablishedB:	Not reported
PostClosureDisbursement:	0
CorrectiveActionMechanismA:	LETTER OF CREDIT
CorrectiveActionMechanismB:	Not reported
CorrectiveActionExtablishedB:	Not reported
CorrectiveActiontDisbursement:	0
LiabilityEstablishedB:	Not reported
LiabilityAdequacy:	Not reported
Responsible Party:	Not reported
Provider:	Not reported
Contact:	Not reported

WDS:

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City:	BORON
Facility ID:	South Lahontan 152004001
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	7607627000
Facility Contact:	DAVE WEISS
Agency Name:	US BORAX INC
Agency Address:	14486 BORAX RD
Agency City,St,Zip:	BORON 935162000
Agency Contact:	DAVE WEISS
Agency Telephone:	7607627000
Agency Type:	Private
SIC Code:	1474
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	PROCES
Waste Type2:	Not reported
Waste2:	Process Waste (Waste produced as part of the industrial/manufacturing

US BORAX BORON OPERATIONS (Continued) **S101612518**

process)
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 3
Baseline Flow: 2
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

Name: GANGUE/OVERBURDEN/REF WASTE
Address: 14486 BORAX RD
City: BORON
Facility ID: South Lahontan 152004002
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: Not reported
Subregion: 0
Facility Telephone: 7607627000
Facility Contact: DAVE WEISS
Agency Name: US BORAX INC
Agency Address: 14486 BORAX RD
Agency City,St,Zip: BORON 935162000
Agency Contact: DAVE WEISS
Agency Telephone: 7607627000
Agency Type: Private
SIC Code: 1474
SIC Code 2: Not reported
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).
Primary Waste: SLDWST
Waste Type2: Not reported
Waste2: Solid Wastes
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain

US BORAX BORON OPERATIONS (Continued) **S101612518**

nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).

Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

CIWQS:
Name: GANGUE/OVERBURDEN/REF WASTE
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Agency: US Borax Inc
Agency Address: 14486 Borax Road, Boron, CA 93516
Place/Project Type: Salt Mining
SIC/NAICS: 1474
Region: 6V
Program: LNDISP, LNDISPOTH
Regulatory Measure Status: Active
Regulatory Measure Type: WDR
Order Number: R6V-2010-0048
WDID: 6B152004002
NPDES Number: Not reported
Adoption Date: 10/14/2010
Effective Date: 10/14/2010
Termination Date: Not reported
Expiration/Review Date: 10/14/2020
Design Flow: 0
Major/Minor: Not reported
Complexity: B
TTWQ: 2
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 35.004785
Longitude: -117.703254

Name: BORON MINE FACILITY
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Agency: US Borax Inc
Agency Address: 14486 Borax Road, Boron, CA 93516
Place/Project Type: Salt Mining
SIC/NAICS: 1474
Region: 6V

US BORAX BORON OPERATIONS (Continued) **S101612518**

Program:	LNDISP, LNDISPOTH
Regulatory Measure Status:	Active
Regulatory Measure Type:	WDR
Order Number:	R6V-2015-0057
WDID:	6B152004001
NPDES Number:	Not reported
Adoption Date:	09/17/2015
Effective Date:	09/17/2015
Termination Date:	Not reported
Expiration/Review Date:	09/30/2025
Design Flow:	3
Major/Minor:	Not reported
Complexity:	A
TTWQ:	1
Enforcement Actions within 5 years:	3
Violations within 5 years:	12
Latitude:	35.004785
Longitude:	-117.703254

Name:	RIO TINTO MINERALS US BORAX
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Agency:	Rio Tinto Minerals US Borax
Agency Address:	14486 Borax Rd, Boron, CA 93516
Place/Project Type:	Industrial - Potash, Soda, and Borate Minerals
SIC/NAICS:	1474
Region:	6V
Program:	INDSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water industrial
Order Number:	2014-0057-DWQ
WDID:	6B15I025554
NPDES Number:	CAS000001
Adoption Date:	Not reported
Effective Date:	06/10/2015
Termination Date:	01/14/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	1
Latitude:	35.03195
Longitude:	-117.70091

Name:	BORON MINE FACILITY
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Agency:	EIF Mojave, LLC
Agency Address:	Po Box 1090, Boron, CA 93596
Place/Project Type:	Salt Mining
SIC/NAICS:	1474
Region:	6V
Program:	LNDISPOTH
Regulatory Measure Status:	Historical
Regulatory Measure Type:	WDR

US BORAX BORON OPERATIONS (Continued) **S101612518**

Order Number:	R6V-2006-0025
WDID:	6B152004001
NPDES Number:	Not reported
Adoption Date:	06/14/2006
Effective Date:	06/14/2006
Termination Date:	09/17/2015
Expiration/Review Date:	Not reported
Design Flow:	3
Major/Minor:	Not reported
Complexity:	A
TTWQ:	1
Enforcement Actions within 5 years:	3
Violations within 5 years:	12
Latitude:	35.004785
Longitude:	-117.703254

CERS:

Name:	US BORAX BORON OPERATIONS
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Site ID:	404539
CERS ID:	10231831
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	404539
Site Name:	US BORAX BORON OPERATIONS
Violation Date:	09-26-2018
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.
Violation Notes:	Returned to compliance on 10/03/2018. Observed cracking in secondary containment of waste oil and fresh oil tanks. Please repair the cracks and then send a photo of the repairs to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS

Site ID:	404539
Site Name:	US BORAX BORON OPERATIONS
Violation Date:	11-20-2013
Citation:	HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description:	Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes:	Returned to compliance on 02/07/2014. The Hazardous Materials Inventory not complete. Add the following items to the inventory: Area B-1: NALCO Optimer 9877, Area M-1: 6,000 gallon Diesel tank and two (2) Emulsion tanks. Area east of R-3 (Big Shanty): All compressed gases (Oxygen, Acetylene, Nitrogen, Argon/CO2 mix). Area R-13: 110 gallons of Versene 100 and compressed gases (Helium, Acetylene, Hydrogen). Area R-15 Co-Gen:Specialty Gases (Nitrous Oxide/Oxygen mix, Nitrous Oxide/Nitrogen mix and 1200 cubic feet of Helium. Area R-3:

US BORAX BORON OPERATIONS (Continued) **S101612518**

one (1) 250 gallon tote of Transmission fluid, one (1) 550 gallon tote of motor oil, one 91) 10,000 gallon tank of 15/40w oil and 110 gallons of oil contaminated debris. Area R-4: Two (2) dewars of liquid Argon, Argon, Argon/Co2 mix compressed gases and 4,800 lbs of Hyperfloc AF 304. Area R-6: Waste oil, waste aerosol cans and 1,500 cubic feet of Oxygen. Area R-8: 55 gallon drum of oil contaminated debris, 55 gallon drum of used oil, 55 gallon drum of used oil filters, oxygen and [Truncated]

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 404539
Site Name: US BORAX BORON OPERATIONS
Violation Date: 09-26-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.
Violation Notes: Returned to compliance on 10/24/2018. Facility lacking a current hazardous waste tank assessment for the two poly tanks holding waste oil. As per facility representative, the tanks were installed in 2007. Please provide the hazardous waste tank assessment to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 404539
Site Name: US BORAX BORON OPERATIONS
Violation Date: 09-26-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide bulk storage containers with adequate secondary containment large enough to contain the entire capacity of the largest container plus additional capacity to contain precipitation when applicable, and/or failure to position/locate mobile or portable containers to prevent a discharge.
Violation Notes: Returned to compliance on 10/01/2018. Observed the secondary containment berm knocked half way down at the large diesel tank near the rail tracks. Please repair the berm and then send photos of the repair to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 10-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-31-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-01-2012
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed
Eval Division: Kern County Env Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-14-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-09-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Drive time back from US Borax.
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-22-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Inspection with US EPA & DTSC.
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Date:	11-20-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-26-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-07-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-07-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Drive time to US Borax.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Observed a small leak at 10w oil at loading rack. Truck shop supervisor knows and is already working on fixing the problem. Please send a photo of the repaired loading racks to trulovej@kerncounty.com Once all the violations have been properly corrected please sign and return the last page of this inspection report.
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-02-2018
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Observed a small leak under in the UDC. no fuel was observed to be accumulating in the UDC at time of inspection. The bolt was tightened and the UDC was cleaned and observed to be free of leaks by the end of the inspection. Please monitor the piping in the UDC to ensure the leak has been sealed.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	12-09-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Drive time to US Borax.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-31-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-18-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	11-26-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-07-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval General Type:	Other/Unknown
Eval Date:	12-07-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Drive time back from US Borax.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	09-26-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-26-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Once all the violations have been properly corrected please sign and return the last page of this inspection report.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-02-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	04-21-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection with US EPA & DTSC.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	09-26-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-02-2018

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-13-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility lacking most current SB989 results dated 8-18-17 and the 2016 monitoring certification results dated 11-14-16 in the on-site UST binder
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-20-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-20-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	In Area R-12, please address the issue related to the leaking 250 gallon totes of gear and motor oil.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2016

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS

Enforcement Action:

Site ID:	404539
Site Name:	US BORAX BORON OPERATIONS
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	11-20-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	404539
Facility Name:	US BORAX BORON OPERATIONS
Env Int Type Code:	FRS-AIR
Program ID:	110043789763
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	35.035440
Longitude:	-117.700330

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Kenneth Ezpeleta
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	David Weiss
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Kenneth Ezpeleta
Entity Title:	Not reported
Affiliation Address:	14486 BORAX RD

US BORAX BORON OPERATIONS (Continued) **S101612518**

Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516-2000
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	U S BORAX INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Operator
Entity Name:	RICH ENVIRONMENTAL
Entity Title:	Not reported
Affiliation Address:	5643 Brooks Court
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93308
Affiliation Phone:	(661) 392-8687
Affiliation Type Desc:	Environmental Contact
Entity Name:	ERIC M JONES
Entity Title:	HSEQ ADVISOR
Affiliation Address:	14886 BORAX ROAD
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Owner
Entity Name:	DONNA LEVENTHAL
Entity Title:	AGENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Kenneth Ezpeleta
Entity Title:	Superintendent Environment
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator

US BORAX BORON OPERATIONS (Continued) **S101612518**

Entity Name:	Rio Tinto Borates, Boron Operations (U.S. Borax Inc.)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 762-7000
Affiliation Type Desc:	UST Tank Owner
Entity Name:	US Borax Inc
Entity Title:	Not reported
Affiliation Address:	14486 Borax Road
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 762-7313
Affiliation Type Desc:	Environmental Contact
Entity Name:	DONNA LEVENTHAL AGNT
Entity Title:	CHRISTY LEEPER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	MR CRAIG E BERNARD
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	C. M. DAVIS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370

US BORAX BORON OPERATIONS (Continued) **S101612518**

Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Environmental Contact
Entity Name:	RHYS JENKINS
Entity Title:	Not reported
Affiliation Address:	14486 BORAX RD
Affiliation City:	BORON
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	14486 BORAX RD
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516-2000
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	U.S. BORAX INC
Entity Title:	Not reported
Affiliation Address:	14486 BORAX RD
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516-2000
Affiliation Phone:	(760) 762-7501
Affiliation Type Desc:	UST PO Name
Entity Name:	US BORAX
Entity Title:	Not reported
Affiliation Address:	14486 BORAX RD
Affiliation City:	BORON
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	US BORAX INC
Entity Title:	Not reported
Affiliation Address:	14486 Borax Road
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 762-7313
Name:	US BORAX BORON OPERATIONS
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Site ID:	404539

US BORAX BORON OPERATIONS (Continued) **S101612518**

CERS ID: 110043789763
CERS Description: US EPA Air Emission Inventory System (EIS)

Violations:

Site ID: 404539
Site Name: US BORAX BORON OPERATIONS
Violation Date: 09-26-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.
Violation Notes: Returned to compliance on 10/03/2018. Observed cracking in secondary containment of waste oil and fresh oil tanks. Please repair the cracks and then send a photo of the repairs to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 404539
Site Name: US BORAX BORON OPERATIONS
Violation Date: 11-20-2013
Citation: HSC 6.95 25504(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(a)
Violation Description: Failure to complete and/or submit hazardous material inventory forms for all reportable hazardous materials on site.
Violation Notes: Returned to compliance on 02/07/2014. The Hazardous Materials Inventory not complete. Add the following items to the inventory: Area B-1: NALCO Optimer 9877, Area M-1: 6,000 gallon Diesel tank and two (2) Emulsion tanks. Area east of R-3 (Big Shanty): All compressed gases (Oxygen, Acetylene, Nitrogen, Argon/CO2 mix). Area R-13: 110 gallons of Versene 100 and compressed gases (Helium, Acetylene, Hydrogen). Area R-15 Co-Gen:Specialty Gases (Nitrous Oxide/Oxygen mix, Nitrous Oxide/Nitrogen mix and 1200 cubic feet of Helium. Area R-3: one (1) 250 gallon tote of Transmission fluid, one (1) 550 gallon tote of motor oil, one 91) 10,000 gallon tank of 15/40w oil and 110 gallons of oil contaminated debris. Area R-4: Two (2) dewars of liquid Argon, Argon, Argon/Co2 mix compressed gases and 4,800 lbs of Hyperfloc AF 304. Area R-6: Waste oil, waste aerosol cans and 1,500 cubic feet of Oxygen. Area R-8: 55 gallon drum of oil contaminated debris, 55 gallon drum of used oil, 55 gallon drum of used oil filters, oxygen and [Truncated]
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 404539
Site Name: US BORAX BORON OPERATIONS
Violation Date: 09-26-2018
Citation: 22 CCR 15 66265.192(a) - California Code of Regulations, Title 22, Chapter 15, Section(s) 66265.192(a)
Violation Description: Failure to obtain and maintain a written assessment reviewed and certified by an independent, qualified, professional engineer prior to placing the tank system in service. The written assessment shall state that, the new hazardous waste tank system has sufficient structural integrity, is acceptable for the transferring, storing and treating of

US BORAX BORON OPERATIONS (Continued) **S101612518**

hazardous waste, and that the tanks and containment system including the foundation, structural support, seams, connections, and pressure controls (if applicable) are suitably designed to meet the regulation.

Violation Notes: Returned to compliance on 10/24/2018. Facility lacking a current hazardous waste tank assessment for the two poly tanks holding waste oil. As per facility representative, the tanks were installed in 2007. Please provide the hazardous waste tank assessment to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: HWLQG
Violation Source: CERS

Site ID: 404539
Site Name: US BORAX BORON OPERATIONS
Violation Date: 09-26-2018
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide bulk storage containers with adequate secondary containment large enough to contain the entire capacity of the largest container plus additional capacity to contain precipitation when applicable, and/or failure to position/locate mobile or portable containers to prevent a discharge.
Violation Notes: Returned to compliance on 10/01/2018. Observed the secondary containment berm knocked half way down at the large diesel tank near the rail tracks. Please repair the berm and then send photos of the repair to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 10-02-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-31-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-01-2012
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: No violations observed
Eval Division: Kern County Env Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-14-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-17-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-09-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Drive time back from US Borax.
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-21-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 04-22-2015
Violations Found: No

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Type: Other, not routine, done by local agency
Eval Notes: Inspection with US EPA & DTSC.
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-18-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-30-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-31-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-20-2013
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Drive time to US Borax.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Observed a small leak at 10w oil at loading rack. Truck shop supervisor knows and is already working on fixing the problem. Please send a photo of the repaired loading racks to trulovej@kerncounty.com Once all the violations have been properly corrected please sign and return the last page of this inspection report.
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-02-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Observed a small leak under in the UDC. no fuel was observed to be accumulating in the UDC at time of inspection. The bolt was tightened and the UDC was cleaned and observed to be free of leaks by the end of the inspection. Please monitor the piping in the UDC to ensure the leak has been sealed.
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-09-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Drive time to US Borax.
Eval Division: Kern County Env Health Services Department
Eval Program: HWLQG
Eval Source: CERS

Eval General Type: Other/Unknown

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Date: 10-31-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-18-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 11-26-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-07-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-07-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Drive time back from US Borax.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-26-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-26-2018
Violations Found: Yes
Eval Type: Routine done by local agency

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Notes:	Once all the violations have been properly corrected please sign and return the last page of this inspection report.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-02-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	04-21-2015
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection with US EPA & DTSC.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-26-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-02-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-31-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	11-13-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-13-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Facility lacking most current SB989 results dated 8-18-17 and the 2016 monitoring certification results dated 11-14-16 in the on-site UST binder
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-20-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-20-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	In Area R-12, please address the issue related to the leaking 250 gallon totes of gear and motor oil.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-09-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HWLQG
Eval Source:	CERS

Enforcement Action:

Site ID:	404539
Site Name:	US BORAX BORON OPERATIONS
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	11-20-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Coordinates:

Site ID:	404539
Facility Name:	US BORAX BORON OPERATIONS
Env Int Type Code:	FRS-AIR
Program ID:	110043789763
Coord Name:	Not reported
Ref Point Type Desc:	Unknown
Latitude:	35.035440
Longitude:	-117.700330

Affiliation:

Affiliation Type Desc:	Document Preparer
Entity Name:	Kenneth Ezpeleta
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	David Weiss
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	Kenneth Ezpeleta
Entity Title:	Not reported
Affiliation Address:	14486 BORAX RD
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516-2000
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	U S BORAX INC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Operator
Entity Name:	RICH ENVIRONMENTAL
Entity Title:	Not reported
Affiliation Address:	5643 Brooks Court
Affiliation City:	Bakersfield

US BORAX BORON OPERATIONS (Continued) **S101612518**

Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93308
Affiliation Phone:	(661) 392-8687
Affiliation Type Desc:	Environmental Contact
Entity Name:	ERIC M JONES
Entity Title:	HSEQ ADVISOR
Affiliation Address:	14886 BORAX ROAD
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Owner
Entity Name:	DONNA LEVENTHAL
Entity Title:	AGENT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Kenneth Ezpeleta
Entity Title:	Superintendent Environment
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Rio Tinto Borates, Boron Operations (U.S. Borax Inc.)
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 762-7000
Affiliation Type Desc:	UST Tank Owner
Entity Name:	US Borax Inc
Entity Title:	Not reported
Affiliation Address:	14486 Borax Road
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 762-7313
Affiliation Type Desc:	Environmental Contact
Entity Name:	DONNA LEVENTHAL AGNT

US BORAX BORON OPERATIONS (Continued) **S101612518**

Entity Title:	CHRISTY LEEPER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	MR CRAIG E BERNARD
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Public Contact
Entity Name:	C. M. DAVIS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Environmental Contact
Entity Name:	RHYS JENKINS
Entity Title:	Not reported
Affiliation Address:	14486 BORAX RD
Affiliation City:	BORON
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	14486 BORAX RD
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516-2000
Affiliation Phone:	Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Affiliation Type Desc: Legal Owner
Entity Name: U.S. BORAX INC
Entity Title: Not reported
Affiliation Address: 14486 BORAX RD
Affiliation City: BORON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93516-2000
Affiliation Phone: (760) 762-7501

Affiliation Type Desc: UST PO Name
Entity Name: US BORAX
Entity Title: Not reported
Affiliation Address: 14486 BORAX RD
Affiliation City: BORON
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: US BORAX INC
Entity Title: Not reported
Affiliation Address: 14486 Borax Road
Affiliation City: Boron
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93516
Affiliation Phone: (760) 762-7313

Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Site ID: 32437
CERS ID: 226707
CERS Description: Land Disposal

Violations:
Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 07-01-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: During transfer of liquid brine from Pond R6 to the BAP Ponds, a flange on the pump piping failed. Within five minutes, employees shut down the flow. About 2500 gallons flowed to the road by pond R6 and to the flood control pond catchment 1.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 01-07-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: POND R-2 HAD 1.95 FT FREEBOARD (FB). A DEFICIT OF 0.05 FT/POND R-3 HAD

US BORAX BORON OPERATIONS (Continued) **S101612518**

1.83 FT FB, A DEFICIT OF 0.17 FT. LOSS OF FB WAS CAUSED BY CRYSTALS FORMING ON OVERFLOW WEIRS BLOCKING EXIT TO OVERFLOW SYSTEM.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 04-27-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Turbidity MCL: 5NTU; GWM-19: 7.48 NTU; GWM-51: 5.76NTU. NITRATE AS N MCL: 10 MG/L; GWM-16: 11 MG/L
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 11-22-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: The soil moisture at Vadose Zone 25 exceeds the permit limit. Violates Board Order No. R6V-2010-0048, WDR II.15
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 12-29-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: TDS GWM-49 Limit: 682mg/L; GWM-49: 1010mg/L. Na GWM-15 Limit: 250.02mg/L; GWM-15: 259mg/L. Na GWM-19 Limit: 302.6mg/L; GWM-19: 334mg/L. K GWM-15 Limit: 11.09mg/L; GWM-15: 11.1mg/L. HCO3 GWM-1 Limit: 195.6mg/L; GWM-1: 336mg/L.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 05-25-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 01/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 04-20-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Approx. 100 gallons of diesel spilled on the facility property by the

US BORAX BORON OPERATIONS (Continued) **S101612518**

boric acid plant main shop. A small valve broke off of a transportable tank and released the spill. Spill was contained on site.

Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:

Eval General Type: Initial Site Inspection
Eval Date: 08-08-1994
Violations Found: No
Eval Type: Prerequirement inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-1996
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2008
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Complaint Inspection
Eval Date: 05-03-1995
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 08-10-2017
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-04-2009
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-06-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-06-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 10-22-2002
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-1994
Violations Found: No

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Enforcement Action:
Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 04-20-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 07-01-2002
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 11-26-2013
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: CHRISTINA GUERRA - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Armagosa Road, Building 2, Suite 210
Affiliation City: VICTORVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417333

US BORAX BORON OPERATIONS (Continued) **S101612518**

Name: US BORAX PLANT
Address: 14486 BORAX ROAD
City,State,Zip: BORON, CA 93516
Site ID: 194072
CERS ID: T060292419
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: DAN STARKEY - KERN COUNTY
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Site ID: 32437
CERS ID: L10005585471
CERS Description: Land Disposal Site

Violations:
Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 07-01-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: During transfer of liquid brine from Pond R6 to the BAP Ponds, a flange on the pump piping failed. Within five minutes, employees shut down the flow. About 2500 gallons flowed to the road by pond R6 and to the flood control pond catchment 1.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 01-07-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: POND R-2 HAD 1.95 FT FREEBOARD (FB). A DEFICIT OF 0.05 FT/POND R-3 HAD 1.83 FT FB, A DEFICIT OF 0.17 FT. LOSS OF FB WAS CAUSED BY CRYSTALS FORMING ON OVERFLOW WEIRS BLOCKING EXIT TO OVERFLOW SYSTEM.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 04-27-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Turbidity MCL: 5NTU; GWM-19: 7.48 NTU; GWM-51: 5.76NTU. NITRATE AS N

US BORAX BORON OPERATIONS (Continued) **S101612518**

MCL: 10 MG/L; GWM-16: 11 MG/L
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 11-22-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: The soil moisture at Vadose Zone 25 exceeds the permit limit. Violates Board Order No. R6V-2010-0048, WDR II.15
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 12-29-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: TDS GWM-49 Limit: 682mg/L; GWM-49: 1010mg/L. Na GWM-15 Limit: 250.02mg/L; GWM-15: 259mg/L. Na GWM-19 Limit: 302.6mg/L; GWM-19: 334mg/L. K GWM-15 Limit: 11.09mg/L; GWM-15: 11.1mg/L. HCO3 GWM-1 Limit: 195.6mg/L; GWM-1: 336mg/L.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 05-25-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 01/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Violation Date: 04-20-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Approx. 100 gallons of diesel spilled on the facility property by the boric acid plant main shop. A small valve broke off of a transportable tank and released the spill. Spill was contained on site.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:
Eval General Type: Initial Site Inspection
Eval Date: 08-08-1994
Violations Found: No
Eval Type: Prerequirement inspection
Eval Notes: Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-18-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-05-1996
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2008
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Complaint Inspection
Eval Date: 05-03-1995
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 08-10-2017
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-04-2009
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-06-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2015
Violations Found: No

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-06-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 10-22-2002
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-1994
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Enforcement Action:
Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enf Action Date: 04-20-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 07-01-2002
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 32437
Site Name: BORON MINE FACILITY (GANGUE WASTE PILE/OVERBURDEN/LANDFILL)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 11-26-2013
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: CHRISTINA GUERRA - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Armagosa Road, Building 2, Suite 210
Affiliation City: VICTORVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417333

Name: BORON MINE FACILITY (SURFACE IMPOUNDMENTS)
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Site ID: 99658
CERS ID: 210080
CERS Description: Land Disposal

Violations:
Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-30-2004

US BORAX BORON OPERATIONS (Continued) **S101612518**

Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failed to submit 2004 1st semi-annual SMR.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	07-31-2006
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failed to submit report by 07/30/2006
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	08-06-2019
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Exceeded concentration limits for iron (GWM-45 4.72 mg/L and 4M-71 164.86 mg/L) and fluoride (GWM-10 1.326 mg/L) during the 1st Semi-Annual 2019 monitoring period. Violates Board Order R6V-2015-0057 WDR III.A.
Violation Division:	Water Boards
Violation Program:	LNDISPOTH
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	04-27-2009
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Turbidity MCL: 5NTU; GWM-2: 40.6NTU 1Q08; 6.14NTU 3Q08; GWM-6: 6.39NTU 1Q08; 21.3NTU 3Q08; GWM-7: 12.3NTU 1Q08; 15.25NTU 3Q08; GWM-9: 6.49NTU 1Q08; 6.77NTU 3Q08;GWM-10: 6.64NTU 1Q08; GWM-11: 23.7NTU 1Q08; 13.04NTU 3Q08; GWM-21: 5.98NTU 1Q08; GWM-39: 3.61NTU 1Q08; 8.67NTU 3Q08;GWM-41: 7.81NTU 1Q08; GWM-52: 9.98NTU 3Q08;14-75: 5.01NTU 1Q08;
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	10-23-2001
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Diesel fuel spilled from blast drill rig.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	03-08-2000

US BORAX BORON OPERATIONS (Continued) **S101612518**

Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	An expansion joint at the tailings tank failed releasing approx. 200 gal of 9 to 12% Borate effluent solution to a secondary containment and approx.. 100 gal (of total) on to ground surface. The pipeline was transporting the liquid to the "R" ponds
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	12-27-2001
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Primary process tailings tank pump clogged with debris. Tank overflowed its containment. Approximately 1,000 gallons spilled onto bare ground.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	07-10-2001
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	A seep from a weld on the side of the thickener 2A released 50 to 100 gallons of Boron-staturated liquid to the ground surface near the thickener tank. The saturated liquid began to crystallize and closed the leak.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	10-20-2004
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	On 10-20-04, 35,000 gallons of boric acid process wastewater was released onto soil. Fusion weld failed between pipeline and flange.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	01-20-1998
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	7000 GALS COMMERCIAL GRADE SULFURIC ACID DISCHARGED INTENTIONALLY TO BORIC AID PONE 6. TANK WAS FULL SO THEY DRAINED & TRANSPORTED ACID TO THE 55 MILLION GAL POND WHERE IT MIXED WITH PLANT WASTEWATER
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 12-11-2013
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to analyze the Surface Impoundment samples for antimony. Violates Board Order No. R6V-2006-0025, WDR II.2
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 01-08-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Spill of 30,000 gallons of tailings liquid to ground surface from failed HDPE pipe flange. Analytical results showed spill did not contain hazardous concentrations of arsenic.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-30-2008
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Annual report for 2007 was missing financial assurance.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 05-15-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: COGENERATION PLNT 1/2" DIA SULF ACID LINE (0.9PH) ENTERS 6" DIAM COOLINTOWER. BLOW DOWN LINE (PH12.1) THE 6" LINE DEVELOPED A PINHOLE LEAK-SPRAYED ONE GAL OF MIX INTO AIR & GRND SURFACE
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 08-06-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded the Action Leakage Rates for BAP-4 Lower Caisson (600 gpd) during the 2nd Semi-Annual monitoring period. Violates Board Order R6V-2015-0057, MRP II.A.4. b.
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 04-06-2017
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Free Board exceedance in Pond R1 of 0.5 inches. The free board violation lasted less than 24 hours and no impact to surface or groundwater was experienced.
Violation Division: Water Boards
Violation Program: TPCA
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 07-28-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Total Arsenic concentration exceeded 500 mg/L in Surface Impoundment R-Pond Compartment 6. The value exceeded the restricted hazardous waste criteria. Violated Board Order R6V-2006-0025, WDR.I.C.5
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-10-2018
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded the Action Leakage Rates for pond BAP-2 lower caisson (600 gpd), BAP-3 lower caisson (600 gpd), and BAP-4 lower caisson (600 gpd) during the first semi-annual monitoring period. Violates Board Order R6V-2015-0057, MRP section II.A.4.b.
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 05-03-1995
Citation: California Water Code
Violation Description: Not reported
Violation Notes: USE OF PROCESS WASTEWATER "GROUP A OR R" AS DUST CONTROL ON PIT HAUL ROADS. WDR ONLY ALLOWS NONPROCESS WATER FOR DUST CONTROL
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 02-15-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: PIPELINE FROM POND 4 (RAINWATER & SMALL AMT PROCESS FLUID) DISCHARGED ~400 GAL. TO DESERT ROADWAY BETWEEN 2 PONDS. DESTINATION OF WATER WAS POND R1. ARSENIC CONCENTRATION WAS 202 PPM PIPELINE REPAIRED
Violation Division: Water Boards

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-17-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: QUARTERLY
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-25-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Overflow of facility process water into un-permitted catchment basin on facility. Violation of WDRs.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 12-03-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: On Dec 3 and 7, 2010, Rio Tinto Minerals reported septic tank effluent was discharged to the ground outside the domestic wastewater evaporation ponds. This is a violation of B.O. No. R6V-2006-0025, Specification I.C.1., Prohibitions "The discharge of wastewater other than to the authorized disposal sites specified in this Order is prohibited.&
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-10-2018
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 1) Exceeded the CA Division of Drinking Water Primary MCL for nitrate (as N) (10 mg/L) during the first semi-annual 2018 monitoring period. Violates Board Order R6V-2015-0057, WDR section I.B.; and 2) Exceeded concentration limits for iron (GWM-45: 4.72 mg/L) and fluoride (GWM-10: 1.326 mg/L) during the first semi-annual 2018 monitoring period. V
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 08-27-2002

US BORAX BORON OPERATIONS (Continued) **S101612518**

Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharge of Facility wastewater from failed HDPE piping flange. As to ground surface/ditch on Facility property. Approximately 15,000 gallons were spilled.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 01-20-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DISCHARGE OF 7000 GAL COMMERCIAL GRADE SULFURIC ACID (98%) TO POND 6 - VIOLATION OF WDRS NO DISCHARGE OF HAZARDOUS WASTE ALLOWED TO POND 6 OR ANY OTHER POND - NOTIFICATION 29 DAYS LATE
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-28-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: There was a 1,000 gal overflow from SUMP #15 into an unlined area. There was no mechanical failures, but a large flow surge was the cause. All water soaked into ground.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 11-02-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Sodium dithionite material contacted water inside main process area and ignited in its delivery hopper. Kern Co. Fire Dept. put out fire and deluged area washing down material to Sump 15 and ultimately to "R" ponds.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 04-27-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DO NOT < 1.0mg/L; GWM-3: 0.97mg/L 3Q08;4M-71: 0.79mg/L 3Q08; GWM-27: 0.64mg/L 1Q08; 0.18mg/L 3Q08; GWM-48: 0.72mg/L 1Q08; 0.85mg/L 3Q08; EXT-1: 0.61mg/L 3Q08;EXT-3: 0.98mg/L 1Q08;EXT-4: 0.65mg/L 1Q08; 0.51mg/L 3Q08;AEX-2: 0.26mg/L 3Q08;LEX-2: 0.71mg/L 1Q08; 0.11mg/L 3Q08. Boron 15-75 Limit: 14.87mg/L; 1Q08: 14.9mg/L. TDS GWM-21 Limit: 1703mg/L

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 11-06-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Spill from sump 5 plant wastewater ~ 500 gallons spilled to ground surface on dirt roadway.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 12-02-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: SO4 GWM-38 Limit: 339mg/L; GWM-38 Reading: 370mg/L. SO4 1M-70 Limit: 203mg/L; 1M-70 Reading: 280mg/L. Cl GWM-4 Limit: 124.4mg/L; GWM-4 Reading: 190mg/L. Cl GWM-21 Limit: 286.52mg/L; GWM-21 Reading: 290mg/L. Cl 1M-70 Limit: 310mg/L; 1M-70 Reading: 410mg/L. Ca GWM-4 Limit: 52.33mg/L; GWM-4 Reading: 60.5mg/L. Ca 4M-71 Limit: 68.42mg/L; 4M-71 R
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-22-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Hydraulic excavator in mine pit burned releasing 1-200 gallons of hydraulic oil to mine pit ground surface at 800 ft below ground surface. (BGS) beneath potable water aquifer that occurs at ~ 175 ft bgs.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 07-30-2018
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded the Action Leakage Rates for pond BAP-3 lower caisson (600 gpd) in July, August, November and December. Violates Board Order R6V-2015-0057, MRP section II.A.4.b.
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Date:	05-20-2006
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Failed to submit report by 07/30/2005
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	03-20-2000
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Diesel loader on top of the overburden pile hit a rock and punctured its diesel tank. The resulting spill of diesel was about 740 gallons to ground surface. Spill areas ~120’ x 100’ x 3 " deep.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	09-21-2004
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Boric Acid Tailings HDPE pipeline weld failed and released approx. 35,000 gallons of tailings (58ppm As) to ground surface within the facility.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	06-06-2000
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Pipe failure on the outside of thickener 1A caused a release of liquid containing sodium borate. Approximately 20 gallons was apparenty pooled on the ground surface at the base of the thickener.
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Violation Date:	03-28-2001
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Spill of diesel fuel to compacted soil surface in main plant area. (25 gallons).
Violation Division:	Water Boards
Violation Program:	LNDISP
Violation Source:	CIWQS
Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Date: 10-13-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharge of 4000 pounds ammonium nitrate to Mine Pit Pond.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 03-18-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 2000 gallons of tailings water spilled to ground at Facility due to ruptured pipe.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:
Eval General Type: Case Development Inspection
Eval Date: 02-15-2017
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-04-2009
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Followup Inspection
Eval Date: 03-23-2000
Violations Found: No
Eval Type: Follow-up Inspection (noncompliance)
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Complaint Inspection
Eval Date: 05-03-1995
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Case Development Inspection

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Date: 07-18-2018
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 08-10-2017
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-1994
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 04-16-2002
Violations Found: No
Eval Type: RWQCB Type A compliance inspection

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2004
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2011
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 11-06-2018
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 02-03-1998
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-06-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-05-1996
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2008
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Case Development Inspection
Eval Date: 02-15-2018
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Date: 02-26-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-23-2000
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-02-2006
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Case Development Inspection
Eval Date: 10-17-2018
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Case Development Inspection
Eval Date: 10-25-2017
Violations Found: No
Eval Type: Field Oversight

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Enforcement Action:
Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 03-06-2000
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 03-18-2002
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 03-20-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 03-28-2001
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	04-14-2008
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	04-16-1998
Enf Action Type:	Administrative Enforcement with Penality
Enf Action Description:	Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	05-10-1990
Enf Action Type:	Clean-up and Abatement Order
Enf Action Description:	Clean-up and Abatement Order
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	06-06-2000
Enf Action Type:	Notice to Comply (Minor Violations)
Enf Action Description:	Notice to Comply for Minor Violations
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enf Action Date: 06-22-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 07-10-2001
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 08-02-2004
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 08-27-2002
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-14-2009
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-24-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-28-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 10-13-2000
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 10-22-2001
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 11-04-2002
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 11-08-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 12-11-2013
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 12-24-2010
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 12-27-2001
Enf Action Type: Oral Communication

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 12-31-1985
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: CHRISTINA GUERRA - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Armagosa Road, Building 2, Suite 210
Affiliation City: VICTORVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417333

Affiliation Type Desc: Operator
Entity Name: EIF Mojave, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: BORON MINE FACILITY (SURFACE IMPOUNDMENTS)
Address: 14486 BORAX RD
City,State,Zip: BORON, CA 93516
Site ID: 99658
CERS ID: L10001386878
CERS Description: Land Disposal Site

Violations:
Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-30-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit 2004 1st semi-annual SMR.
Violation Division: Water Boards
Violation Program: LNDISP

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 07-31-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 07/30/2006
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 08-06-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded concentration limits for iron (GWM-45 4.72 mg/L and 4M-71 164.86 mg/L) and fluoride (GWM-10 1.326 mg/L) during the 1st Semi-Annual 2019 monitoring period. Violates Board Order R6V-2015-0057 WDR III.A.
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 04-27-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Turbidity MCL: 5NTU; GWM-2: 40.6NTU 1Q08; 6.14NTU 3Q08; GWM-6: 6.39NTU 1Q08; 21.3NTU 3Q08; GWM-7: 12.3NTU 1Q08; 15.25NTU 3Q08; GWM-9: 6.49NTU 1Q08; 6.77NTU 3Q08;GWM-10: 6.64NTU 1Q08; GWM-11: 23.7NTU 1Q08; 13.04NTU 3Q08; GWM-21: 5.98NTU 1Q08; GWM-39: 3.61NTU 1Q08; 8.67NTU 3Q08;GWM-41: 7.81NTU 1Q08; GWM-52: 9.98NTU 3Q08;14-75: 5.01NTU 1Q08;
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 10-23-2001
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Diesel fuel spilled from blast drill rig.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 03-08-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: An expansion joint at the tailings tank failed releasing approx. 200 gal of 9 to 12% Borate effluent solution to a secondary containment and approx.. 100 gal (of total) on to ground surface. The pipeline was

US BORAX BORON OPERATIONS (Continued) **S101612518**

transporting the liquid to the "R" ponds
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 12-27-2001
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Primary process tailings tank pump clogged with debris. Tank overflowed its containment. Approximately 1,000 gallons spilled onto bare ground.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 07-10-2001
Citation: California Water Code
Violation Description: Not reported
Violation Notes: A seep from a weld on the side of the thickener 2A released 50 to 100 gallons of Boron-staturated liquid to the ground surface near the thickener tank. The saturated liquid began to crystallize and closed the leak.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 10-20-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: On 10-20-04, 35,000 gallons of boric acid process wastewater was released onto soil. Fusion weld failed between pipeline and flange.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 01-20-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 7000 GALS COMMERCIAL GRADE SULFURIC ACID DISCHARGED INTENTIONALLY TO BORIC AID PONE 6. TANK WAS FULL SO THEY DRAINED & TRANSPORTED ACID TO THE 55 MILLION GAL POND WHERE IT MIXED WITH PLANT WASTEWATER
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 12-11-2013
Citation: California Water Code

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Description: Not reported
Violation Notes: Failed to analyze the Surface Impoundment samples for antimony. Violates Board Order No. R6V-2006-0025, WDR II.2
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 01-08-2003
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Spill of 30,000 gallons of tailings liquid to ground surface from failed HDPE pipe flange. Analytical results showed spill did not contain hazardous concentrations of arsenic.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-30-2008
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Annual report for 2007 was missing financial assurance.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 05-15-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: COGENERATION PLNT 1/2" DIA SULF ACID LINE (0.9PH) ENTERS 6" DIAM COOLINTOWER. BLOW DOWN LINE (PH12.1) THE 6" LINE DEVELOPED A PINHOLE LEAK-SPRAYED ONE GAL OF MIX INTO AIR & GRND SURFACE
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 08-06-2019
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded the Action Leakage Rates for BAP-4 Lower Caisson (600 gpd) during the 2nd Semi-Annual monitoring period. Violates Board Order R6V-2015-0057, MRP II.A.4. b.
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 04-06-2017
Citation: California Water Code

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Description: Not reported
Violation Notes: Free Board exceedance in Pond R1 of 0.5 inches. The free board violation lasted less than 24 hours and no impact to surface or groundwater was experienced.
Violation Division: Water Boards
Violation Program: TPCA
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 07-28-2014
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Total Arsenic concentration exceeded 500 mg/L in Surface Impoundment R-Pond Compartment 6. The value exceeded the restricted hazardous waste criteria. Violated Board Order R6V-2006-0025, WDR.I.C.5
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-10-2018
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded the Action Leakage Rates for pond BAP-2 lower caisson (600 gpd), BAP-3 lower caisson (600 gpd), and BAP-4 lower caisson (600 gpd) during the first semi-annual monitoring period. Violates Board Order R6V-2015-0057, MRP section II.A.4.b.
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 05-03-1995
Citation: California Water Code
Violation Description: Not reported
Violation Notes: USE OF PROCESS WASTEWATER "GROUP A OR R" AS DUST CONTROL ON PIT HAUL ROADS. WDR ONLY ALLOWS NONPROCESS WATER FOR DUST CONTROL
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 02-15-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: PIPELINE FROM POND 4 (RAINWATER & SMALL AMT PROCESS FLUID) DISCHARGED ~400 GAL. TO DESERT ROADWAY BETWEEN 2 PONDS. DESTINATION OF WATER WAS POND R1. ARSENIC CONCENTRATION WAS 202 PPM PIPELINE REPAIRED
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-17-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: QUARTERLY
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-25-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Overflow of facility process water into un-permitted catchment basin on facility. Violation of WDRs.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 12-03-2010
Citation: California Water Code
Violation Description: Not reported
Violation Notes: On Dec 3 and 7, 2010, Rio Tinto Minerals reported septic tank effluent was discharged to the ground outside the domestic wastewater evaporation ponds. This is a violation of B.O. No. R6V-2006-0025, Specification I.C.1., Prohibitions "The discharge of wastewater other than to the authorized disposal sites specified in this Order is prohibited.&
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-10-2018
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 1) Exceeded the CA Division of Drinking Water Primary MCL for nitrate (as N) (10 mg/L) during the first semi-annual 2018 monitoring period. Violates Board Order R6V-2015-0057, WDR section I.B.; and 2) Exceeded concentration limits for iron (GWM-45: 4.72 mg/L) and fluoride (GWM-10: 1.326 mg/L) during the first semi-annual 2018 monitoring period. V
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 08-27-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharge of Facility wastewater from failed HDPE piping flange. As to ground surface/ditch on Facility property. Approximately 15,000

US BORAX BORON OPERATIONS (Continued) **S101612518**

gallons were spilled.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 01-20-1998
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DISCHARGE OF 7000 GAL COMMERCIAL GRADE SULFURIC ACID (98%) TO POND 6 - VIOLATION OF WDRS NO DISCHARGE OF HAZARDOUS WASTE ALLOWED TO POND 6 OR ANY OTHER POND - NOTIFICATION 29 DAYS LATE
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-28-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: There was a 1,000 gal overflow from SUMP #15 into an unlined area. There was no mechanical failures, but a large flow surge was the cause. All water soaked into ground.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 11-02-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Sodium dithionite material contacted water inside main process area and ignited in its delivery hopper. Kern Co. Fire Dept. put out fire and deluged area washing down material to Sump 15 and ultimately to "R" ponds.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 04-27-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DO NOT < 1.0mg/L; GWM-3: 0.97mg/L 3Q08;4M-71: 0.79mg/L 3Q08; GWM-27: 0.64mg/L 1Q08; 0.18mg/L 3Q08; GWM-48: 0.72mg/L 1Q08; 0.85mg/L 3Q08; EXT-1: 0.61mg/L 3Q08;EXT-3: 0.98mg/L 1Q08;EXT-4: 0.65mg/L 1Q08; 0.51mg/L 3Q08;AEX-2: 0.26mg/L 3Q08;LEX-2: 0.71mg/L 1Q08; 0.11mg/L 3Q08. Boron 15-75 Limit: 14.87mg/L; 1Q08: 14.9mg/L. TDS GWM-21 Limit: 1703mg/L
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 11-06-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Spill from sump 5 plant wastewater ~ 500 gallons spilled to ground surface on dirt roadway.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 12-02-2009
Citation: California Water Code
Violation Description: Not reported
Violation Notes: SO4 GWM-38 Limit: 339mg/L; GWM-38 Reading: 370mg/L. SO4 1M-70 Limit: 203mg/L; 1M-70 Reading: 280mg/L. Cl GWM-4 Limit: 124.4mg/L; GWM-4 Reading: 190mg/L. Cl GWM-21 Limit: 286.52mg/L; GWM-21 Reading: 290mg/L. Cl 1M-70 Limit: 310mg/L; 1M-70 Reading: 410mg/L. Ca GWM-4 Limit: 52.33mg/L; GWM-4 Reading: 60.5mg/L. Ca 4M-71 Limit: 68.42mg/L; 4M-71 R
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-22-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Hydraulic excavator in mine pit burned releasing 1-200 gallons of hydraulic oil to mine pit ground surface at 800 ft below ground surface. (BGS) beneath potable water aquifer that occurs at ~ 175 ft bgs.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 07-30-2018
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Exceeded the Action Leakage Rates for pond BAP-3 lower caisson (600 gpd) in July, August, November and December. Violates Board Order R6V-2015-0057, MRP section II.A.4.b.
Violation Division: Water Boards
Violation Program: LNDISPOTH
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 05-20-2006
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Failed to submit report by 07/30/2005

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 03-20-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Diesel loader on top of the overburden pile hit a rock and punctured its diesel tank. The resulting spill of diesel was about 740 gallons to ground surface. Spill areas ~120' x 100' x 3 '' deep.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 09-21-2004
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Boric Acid Tailings HDPE pipeline weld failed and released approx. 35,000 gallons of tailings (58ppm As) to ground surface within the facility.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 06-06-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Pipe failure on the outside of thickener 1A caused a release of liquid containing sodium borate. Approximately 20 gallons was apparenty pooled on the ground surface at the base of the thickener.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 03-28-2001
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Spill of diesel fuel to compacted soil surface in main plant area. (25 gallons).
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 10-13-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: Discharge of 4000 pounds ammonium nitrate to Mine Pit Pond.

US BORAX BORON OPERATIONS (Continued) **S101612518**

Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Violation Date: 03-18-2002
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 2000 gallons of tailings water spilled to ground at Facility due to ruptured pipe.
Violation Division: Water Boards
Violation Program: LNDISP
Violation Source: CIWQS

Evaluation:
Eval General Type: Case Development Inspection
Eval Date: 02-15-2017
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-04-2009
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Followup Inspection
Eval Date: 03-23-2000
Violations Found: No
Eval Type: Follow-up Inspection (noncompliance)
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Complaint Inspection
Eval Date: 05-03-1995
Violations Found: No
Eval Type: Complaint Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Case Development Inspection
Eval Date: 07-18-2018
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 08-10-2017
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-11-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-09-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-1994
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-20-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 04-16-2002
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-27-2004
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-28-2011
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 11-06-2018
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-04-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Other/Unknown
Eval Date: 02-03-1998
Violations Found: No
Eval Type: Miscellaneous Inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-06-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-05-1996
Violations Found: No

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-23-2013
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-2008
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-22-2007
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Case Development Inspection
Eval Date: 02-15-2018
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-26-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards

US BORAX BORON OPERATIONS (Continued) **S101612518**

Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-18-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 03-23-2000
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-02-2006
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-02-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Case Development Inspection
Eval Date: 10-17-2018
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

Eval General Type: Case Development Inspection
Eval Date: 10-25-2017
Violations Found: No
Eval Type: Field Oversight
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: LNDISPOTH
Eval Source: CIWQS

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enforcement Action:

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	03-06-2000
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	03-18-2002
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	03-20-2000
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON
Site Zip:	93516
Enf Action Date:	03-28-2001
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	LNDISPOTH
Enf Action Source:	CIWQS

Site ID:	99658
Site Name:	BORON MINE FACILITY (Surface Impoundments)
Site Address:	14486 BORAX RD
Site City:	BORON

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site Zip: 93516
Enf Action Date: 04-14-2008
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 04-16-1998
Enf Action Type: Administrative Enforcement with Penality
Enf Action Description: Administrative Enforcement with Civil Liability (Penality)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 05-10-1990
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 06-06-2000
Enf Action Type: Notice to Comply (Minor Violations)
Enf Action Description: Notice to Comply for Minor Violations
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 06-22-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 07-10-2001
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 08-02-2004
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 08-27-2002
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-14-2009
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658

US BORAX BORON OPERATIONS (Continued) **S101612518**

Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-24-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-28-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 10-13-2000
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 10-22-2001
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 11-04-2002

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 11-08-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 12-11-2013
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 12-24-2010
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 12-27-2001
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH

US BORAX BORON OPERATIONS (Continued) **S101612518**

Enf Action Source: CIWQS

Site ID: 99658
Site Name: BORON MINE FACILITY (Surface Impoundments)
Site Address: 14486 BORAX RD
Site City: BORON
Site Zip: 93516
Enf Action Date: 12-31-1985
Enf Action Type: Clean-up and Abatement Order
Enf Action Description: Clean-up and Abatement Order
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: LNDISPOTH
Enf Action Source: CIWQS

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: CHRISTINA GUERRA - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Armagosa Road, Building 2, Suite 210
Affiliation City: VICTORVILLE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417333

Affiliation Type Desc: Operator
Entity Name: EIF Mojave, LLC
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: U.S. BORAX INC-GANGUE/REFUSE WASTE PILE
Address: 14486 BORAX ROAD
City,State,Zip: BORON, CA
Site ID: 512638
CERS ID: 15-AA-0278
CERS Description: Solid Waste and Recycle Sites

Affiliation:
Affiliation Type Desc: Legal Operator
Entity Name: US Borax Inc-Boron
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Boron
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93516-2000
Affiliation Phone: 7607627000

Affiliation Type Desc: Legal Owner
Entity Name: US Borax Inc-Boron

US BORAX BORON OPERATIONS (Continued) **S101612518**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516-2000
Affiliation Phone:	7607627000

AD286 **ERNS** **2017179035**
East **14486 BORAX RD.** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 65 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD287 **ERNS** **2003633663**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 66 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD288 **ERNS** **2017173493**
East **14486 BORAX RD.** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 67 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD289
East
1/4-1/2
0.287 mi.
1513 ft.

14486 BORAX ROAD
BORON, CA 93516

Site 68 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2021301634**
N/A

AD290
East
1/4-1/2
0.287 mi.
1513 ft.

14486 BORAX RD
BORON, CA 93516

Site 69 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2016165846**
N/A

AD291
East
1/4-1/2
0.287 mi.
1513 ft.

14486 BORAX ROAD
14486 BORAX ROAD
BORON, CA 93516

Site 70 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

HMIRS **2016014597**
N/A

AD292
East
1/4-1/2
0.287 mi.
1513 ft.

14486 BORAX RD.
BORON, CA 93516

Site 71 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2012034395**
N/A

AD293
East
1/4-1/2
0.287 mi.
1513 ft.

14486 BORAX RD.
BORON, CA 93516

Site 72 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2000545095**
N/A

AD294
East
1/4-1/2
0.287 mi.
1513 ft.

14486 BORAX RD
BORON, CA 93516

Site 73 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2010960230**
N/A

AD295
East
1/4-1/2
0.287 mi.
1513 ft.

14486 BORAX RD.
BORON, CA 93516

Site 74 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2013034685**
N/A

AD296
East
1/4-1/2
0.287 mi.
1513 ft.

14486 BORAX RD
BORON, CA 93516

Site 75 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2015123070**
N/A

AD297
East
1/4-1/2
0.287 mi.
1513 ft.
14486 BORAX RD.
BORON, CA 93516
Site 76 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2014098732**
N/A

AD298
East
1/4-1/2
0.287 mi.
1513 ft.
14486 BORAX RD
BORON, CA 93516
Site 77 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2010958131**
N/A

AD299
East
1/4-1/2
0.287 mi.
1513 ft.
14486 BORAX RD.
BORON, CA 93516
Site 78 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2002615747**
N/A

AD300
East
1/4-1/2
0.287 mi.
1513 ft.
14486 BORAX RD.
BORON, CA 93516
Site 79 of 82 in cluster AD

Actual:
2397 ft.

Focus Map:
51

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

ERNS **2012028487**
N/A

AD301 **ERNS** **2012022826**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 80 of 82 in cluster AD**

Actual:
2397 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
51

AD302 **RIO TINTO MINE** **US MINES** **1024907109**
East **14486 BORAX RD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 81 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

MINES VIOLATIONS:

Name:	RIO TINTO MINE
Address:	14486 BORAX RD
City,State,Zip:	BORON, CA 93516
Facility ID:	Not reported

MINES VIOLATIONS:

Violation Number:	9432334
Mine ID:	0405925
Contractor ID:	Not reported
Date Issued:	9/16/2019
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	9/19/2019
Title 30 Code of Federal Regulations:	56.1000
Proposed Penalty:	121.00
Assessment Amount:	121.00
Paid Penalty Amount:	121.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2019
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX RD
City:	BORON
State:	CA
Operator:	Kiewit
Zip:	93516
Mine Controller Name:	Peter Kiewit Sons' Inc
Name:	RIO TINTO MINE
Ownership Date:	4/9/2018
Mine Status:	Abandoned
Status Date:	6/21/2019
Primary Site Description:	Construction Sand and Gravel
Mine Type:	Surface
State 2:	CA
County:	KERN

Violation Number:	9375840
Mine ID:	0405925

RIO TINTO MINE (Continued) **1024907109**

Contractor ID:	Not reported
Date Issued:	8/7/2018
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	8/8/2018
Title 30 Code of Federal Regulations:	56.14107(a)
Proposed Penalty:	118.00
Assessment Amount:	118.00
Paid Penalty Amount:	118.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2018
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX RD
City:	BORON
State:	CA
Operator:	Kiewit
Zip:	93516
Mine Controller Name:	Peter Kiewit Sons' Inc
Name:	RIO TINTO MINE
Ownership Date:	4/9/2018
Mine Status:	Abandoned
Status Date:	6/21/2019
Primary Site Description:	Construction Sand and Gravel
Mine Type:	Surface
State 2:	CA
County:	KERN

Violation Number:	9375841
Mine ID:	0405925
Contractor ID:	Not reported
Date Issued:	8/7/2018
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	8/8/2018
Title 30 Code of Federal Regulations:	56.12028
Proposed Penalty:	118.00
Assessment Amount:	118.00
Paid Penalty Amount:	118.00
Assessment Case Status:	Closed
Assessment Status:	Proposed
Year:	2018
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX RD
City:	BORON
State:	CA
Operator:	Kiewit
Zip:	93516
Mine Controller Name:	Peter Kiewit Sons' Inc
Name:	RIO TINTO MINE
Ownership Date:	4/9/2018
Mine Status:	Abandoned
Status Date:	6/21/2019

RIO TINTO MINE (Continued) **1024907109**

Primary Site Description: Construction Sand and Gravel
Mine Type: Surface
State 2: CA
County: KERN

AD303 **BORON OPERATIONS** **US MINES** **1024906359**
East **14486 BORAX ROAD** **N/A**
1/4-1/2 **BORON, CA 93516**
0.287 mi.
1513 ft. **Site 82 of 82 in cluster AD**

Actual:
2397 ft.

Focus Map:
51

MINES VIOLATIONS:
Name: BORON OPERATIONS
Address: 14486 BORAX ROAD
City,State,Zip: BORON, CA 935162000
Facility ID: Not reported

MINES VIOLATIONS:
Violation Number: 8781332
Mine ID: 0400743
Contractor ID: Not reported
Date Issued: 9/17/2020
Action Type: 104(a)
Type of Issue: Citation
S and S: Y
Term Date: 9/17/2020
Title 30 Code of Federal Regulations: 56.14105
Proposed Penalty: 4544.00
Assessment Amount: 4544.00
Paid Penalty Amount: 0.00
Assessment Case Status: Not reported
Assessment Status: Proposed
Year: 2020
Address Type: MineLocation
PO Box: Not reported
Address: 14486 BORAX ROAD
City: BORON
State: CA
Operator: U S Borax Inc
Zip: 935162000
Mine Controller Name: Rio Tinto Group
Name: BORON OPERATIONS
Ownership Date: 1/1/1950
Mine Status: Active
Status Date: 10/8/1975
Primary Site Description: Boron Minerals
Mine Type: Surface
State 2: CA
County: KERN

Violation Number: 9432690
Mine ID: 0400743
Contractor ID: Not reported
Date Issued: 1/14/2020
Action Type: 104(a)
Type of Issue: Citation
S and S: N

BORON OPERATIONS (Continued) **1024906359**

Term Date:	1/14/2020
Title 30 Code of Federal Regulations:	56.14112(b)
Proposed Penalty:	378.00
Assessment Amount:	378.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN

Violation Number:	9432691
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/14/2020
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/14/2020
Title 30 Code of Federal Regulations:	56.12032
Proposed Penalty:	567.00
Assessment Amount:	567.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN

BORON OPERATIONS (Continued) **1024906359**

Violation Number:	9432692
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/15/2020
Action Type:	104(a)
Type of Issue:	Citation
S and S:	Y
Term Date:	1/15/2020
Title 30 Code of Federal Regulations:	56.20008(b)
Proposed Penalty:	1076.00
Assessment Amount:	1076.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN

Violation Number:	9500169
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/14/2020
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	1/15/2020
Title 30 Code of Federal Regulations:	56.9300(a)
Proposed Penalty:	378.00
Assessment Amount:	378.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950

BORON OPERATIONS (Continued) **1024906359**

Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN
Violation Number:	9500170
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/14/2020
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	1/16/2020
Title 30 Code of Federal Regulations:	56.14100(b)
Proposed Penalty:	123.00
Assessment Amount:	123.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN
Violation Number:	9500171
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/14/2020
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	1/16/2020
Title 30 Code of Federal Regulations:	56.11002
Proposed Penalty:	846.00
Assessment Amount:	846.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD

BORON OPERATIONS (Continued) **1024906359**

City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN
Violation Number:	9500690
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/14/2020
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	1/14/2020
Title 30 Code of Federal Regulations:	56.12004
Proposed Penalty:	254.00
Assessment Amount:	254.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN
Violation Number:	9500691
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/14/2020
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	2/12/2020
Title 30 Code of Federal Regulations:	56.12047
Proposed Penalty:	378.00
Assessment Amount:	378.00

BORON OPERATIONS (Continued) **1024906359**

Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN

Violation Number:	9500692
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/15/2020
Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	1/15/2020
Title 30 Code of Federal Regulations:	56.12018
Proposed Penalty:	123.00
Assessment Amount:	123.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN

Violation Number:	9500693
Mine ID:	0400743
Contractor ID:	Not reported
Date Issued:	1/15/2020

BORON OPERATIONS (Continued) **1024906359**

Action Type:	104(a)
Type of Issue:	Citation
S and S:	N
Term Date:	1/15/2020
Title 30 Code of Federal Regulations:	56.14112(a)(1)
Proposed Penalty:	324.00
Assessment Amount:	324.00
Paid Penalty Amount:	0.00
Assessment Case Status:	Not reported
Assessment Status:	Proposed
Year:	2020
Address Type:	MineLocation
PO Box:	Not reported
Address:	14486 BORAX ROAD
City:	BORON
State:	CA
Operator:	U S Borax Inc
Zip:	935162000
Mine Controller Name:	Rio Tinto Group
Name:	BORON OPERATIONS
Ownership Date:	1/1/1950
Mine Status:	Active
Status Date:	10/8/1975
Primary Site Description:	Boron Minerals
Mine Type:	Surface
State 2:	CA
County:	KERN

Click this hyperlink while viewing on your computer to access
1530 additional US_MINES_VIOLATIONS: record(s) in the EDR Site Report.

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304 **MICHAEL HENDERSON** **HAZNET** **S118198640**
East **12163 EL MIRAGE ST** **HWTS** **N/A**
1/4-1/2 **BORON, CA 93516**
0.289 mi.
1524 ft.

Actual:
2404 ft.

Focus Map:
52

HAZNET:

Name:	MICHAEL HENDERSON
Address:	12163 EL MIRAGE ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	MICHAEL HENDERSON
Telephone:	7606801357
Mailing Name:	Not reported
Mailing Address:	12163 EL MIRAGE ST
Year:	2014
Gepaid:	CAC002756647
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4

MICHAEL HENDERSON (Continued) **S118198640**

Additional Info:

Year:	2014
Gen EPA ID:	CAC002756647
Shipment Date:	20140114
Creation Date:	3/3/2014 22:15:17
Receipt Date:	20140124
Manifest ID:	007905988JJK
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAL000317320
Trans 2 Name:	UNIWASTE
TSDF EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MICHAEL HENDERSON
Address:	12163 EL MIRAGE ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002756647
Inactive Date:	04/07/2014
Create Date:	01/06/2014
Last Act Date:	04/08/2014
Mailing Name:	Not reported
Mailing Address:	12163 EL MIRAGE ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	MICHAEL HENDERSON
Owner Address:	12163 EL MIRAGE ST
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	MICHAEL HENDERSON
Contact Address:	12163 EL MIRAGE ST
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

305
ENE
1/4-1/2
0.290 mi.
1529 ft.

Actual:
2677 ft.

Focus Map:
36

BORON PIT
RIDGECREST, CA 93555

MINES MRDS **1025601825**
N/A

MINES MRDS:

Name:	BORON PIT
Address:	Not reported
Deposit identification Number:	10116633
City,State,Zip:	RIDGECREST, CALIFORNIA 93555
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10116633
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060713064
Region:	NA
Country:	United States
Primary Commodities:	Sand and Gravel, Construction
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Federspiel
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.0769
Longitude:	-117.56089

306
North
1/4-1/2
0.296 mi.
1563 ft.

LEWIS ROBERSON
13336 GILBERT ST
NORTH EDWARDS, CA 93523

HAZNET **S120991576**
HWTS **N/A**

Actual:
2305 ft.

Focus Map:
49

HAZNET:

Name:	LEWIS ROBERSON
Address:	13336 GILBERT ST
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 93523
Contact:	LEWIS ROBERSON
Telephone:	7607694395
Mailing Name:	Not reported
Mailing Address:	13336 GILBERT ST
Year:	2016
Gepaid:	CAC002848929
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23

HWTS:

Name:	LEWIS ROBERSON
Address:	13336 GILBERT ST
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 93523
EPA ID:	CAC002848929
Inactive Date:	05/14/2016
Create Date:	02/12/2016
Last Act Date:	05/14/2016
Mailing Name:	Not reported
Mailing Address:	13336 GILBERT ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NORTH EDWARDS, CA 93523
Owner Name:	LEWIS ROBERSON
Owner Address:	13336 GILBERT ST
Owner Address 2:	Not reported
Owner City,State,Zip:	NORTH EDWARDS, CA 93523
Contact Name:	LEWIS ROBERSON
Contact Address:	13336 GILBERT ST
Contact Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 93523

307
North
1/4-1/2
0.298 mi.
1573 ft.

13301 FOX ST
NORTH EDWARDS, CA 93523

CHMIRS **S117976696**
N/A

Actual:
2294 ft.

Focus Map:
49

CHMIRS:

Name:	Not reported
Address:	13301 FOX ST
City,State,Zip:	NORTH EDWARDS, CA 93523
OES Incident Number:	15-2789
OES notification:	05/19/2015

(Continued) **S117976696**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Road
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1400
Year:	2015
Agency:	Edison
Incident Date:	05/19/2015
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Non PCB Mineral Oil
Quantity Released:	1
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No

(Continued) **S117976696**

#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	RP stated, there was a pole fire and the Transformer leaked around it, which resulted in the release of less than 1 gallon of Non PCB Mineral Oil onto the soil. The release is contained and cleanup is underway. No waterways have been impacted.

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308 ENE 1/4-1/2 0.298 mi. 1574 ft.

395 HILL DEPOSIT
RIDGECREST, CA 93555

MINES MRDS **1025691712 N/A**

Actual: 2591 ft.

Focus Map: 45

MINES MRDS:

Name:	395 HILL DEPOSIT
Address:	Not reported
Deposit identification Number:	10214064
City,State,Zip:	RIDGECREST, CALIFORNIA 93555
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10214064
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060711919
Region:	NA
Country:	United States
Primary Commodities:	Boron-Borates
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Elephant Butte Deposit, Unnamed Boron Occurrence
Ore Controls:	Not reported
Reporter:	Ridenour, James
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported

395 HILL DEPOSIT (Continued) **1025691712**

Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.05
Longitude:	-117.55309

AF309 **EDWARDS AIR FORCE BASE - 5 - AOC 200** **MCS** **S110167661**
ESE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.305 mi.
1611 ft. **Site 1 of 2 in cluster AF**

Actual:
2312 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 200
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100102600
Latitude:	34.99755
Longitude:	-117.8764
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 445
LOC Case Number:	100052 -- 445
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100102600
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AF310 **EDWARDS AIR FORCE BASE - 5 - AOC 423** **MCS** **S110167291**
SE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.311 mi.
1642 ft. **Site 2 of 2 in cluster AF**

Actual:
2311 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 423
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100110700
Latitude:	34.99713
Longitude:	-117.8766
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)

EDWARDS AIR FORCE BASE - 5 - AOC 423 (Continued) **S110167291**

Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 364
LOC Case Number:	100052 -- 364
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100110700
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

---

311 South 1/4-1/2 0.311 mi. 1644 ft. **LEOPOLD** **MINES MRDS** **1025775322 N/A**

EDWARDS, CA 93523

Actual: 2343 ft.

Focus Map: 41

MINES MRDS:

Name:	LEOPOLD
Address:	Not reported
Deposit identification Number:	10304999
City,State,Zip:	EDWARDS, CALIFORNIA 93523
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10304999
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060291044
Region:	NA
Country:	United States
Primary Commodities:	Boron-Borates
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Unknown
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Ridenour, James
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported

LEOPOLD (Continued) **1025775322**

Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.0389
Longitude:	-117.78369

AG312 **HOME** **SWEEPS UST** **U001586553**
North **16693 ALEXANDER** **HIST UST** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.313 mi.
1652 ft. **Site 1 of 2 in cluster AG**

Actual:
2294 ft.

Focus Map:
49

SWEEPS UST:

Name:	HOME
Address:	16693 ALEXANDER
City:	NORTH EDWARDS
Status:	Active
Comp Number:	34365
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	09-30-89
Owner Tank Id:	1
SWRCB Tank Id:	15-000-034365-000001
Tank Status:	A
Capacity:	500
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	2

Name:	HOME
Address:	16693 ALEXANDER
City:	NORTH EDWARDS
Status:	Active
Comp Number:	34365
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	09-30-89
Owner Tank Id:	2
SWRCB Tank Id:	15-000-034365-000002
Tank Status:	A
Capacity:	500
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	DIESEL
Number Of Tanks:	Not reported

HIST UST:

Name:	HOME
Address:	16693 ALEXANDER
City,State,Zip:	NORTH EDWARDS, CA 93523

HOME (Continued) **U001586553**

File Number:	00025367
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00025367.pdf
Region:	STATE
Facility ID:	00000034365
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	6197694166
Owner Name:	W. R. YOUNG
Owner Address:	16693 ALEXANDER
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1979
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor
Tank Num:	002
Container Num:	2
Year Installed:	1979
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

Click here for Geo Tracker PDF:

AG313 **WILLIAM YOUNG** **HWTS** **S124563142**
North **16693 ALEXANDER AVE** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.313 mi.
1652 ft. **Site 2 of 2 in cluster AG**

Actual:
2294 ft.

Focus Map:
49

HWTS:

Name:	WILLIAM YOUNG
Address:	16693 ALEXANDER AVE
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 93523
EPA ID:	CAC002187457
Inactive Date:	12/27/2005
Create Date:	06/29/2005
Last Act Date:	06/29/2005
Mailing Name:	Not reported
Mailing Address:	16693 ALEXANDER AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NORTH EDWARDS, CA 93523
Owner Name:	WILLIAM YOUNG
Owner Address:	16693 ALEXANDER AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	NORTH EDWARDS, CA 93523
Contact Name:	WARREN GATLING/RE-ESTATE AGENT
Contact Address:	16693 ALEXANDER AVE

WILLIAM YOUNG (Continued) **S124563142**

Contact Address 2: Not reported
City,State,Zip: NORTH EDWARDS, CA 93523

314
North
1/4-1/2
0.314 mi.
1659 ft.

CHARLES M RICHEY
16653 ALEXANDER
NORTH EDWARDS, CA 93523

HIST UST **U001586543**
N/A

Actual:
2293 ft.

Focus Map:
49

HIST UST:

Name:	CHARLES M RICHEY
Address:	16653 ALEXANDER
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	000245F8
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000245F8.pdf
Region:	STATE
Facility ID:	00000040173
Facility Type:	Other
Other Type:	RESIDENCE
Contact Name:	Not reported
Telephone:	6197694370
Owner Name:	CHARLES M. RICHEY
Owner Address:	16653 ALEXANDER
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00000250
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Vapor Sniff Well

Click here for Geo Tracker PDF:

AH315
West
1/4-1/2
0.325 mi.
1718 ft.

230 DESERT BREEZE DR
CALIFORNIA CITY, CA

Site 1 of 3 in cluster AH

ERNS **2020283697**
N/A

Actual:
2339 ft.

Focus Map:
20

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

AH316
West
1/4-1/2
0.325 mi.
1718 ft.

230 DESERT BREEZE DRIVE
CALIFORNIA CITY, CA

Site 2 of 3 in cluster AH

Actual:
2339 ft.

Focus Map:
20

ERNS **2020283886**
N/A

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

AH317
West
1/4-1/2
0.325 mi.
1718 ft.

230 DESERT BREEZE DRIVE
CALIFORNIA CITY, CA 93505

Site 3 of 3 in cluster AH

Actual:
2339 ft.

Focus Map:
20

CHMIRS **S126977317**
N/A

CHMIRS:

Name:	Not reported
Address:	230 DESERT BREEZE DRIVE
City,State,Zip:	CALIFORNIA CITY, CA 93505
OES Incident Number:	20-4150
OES notification:	08/04/2020
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	Fire Dept.
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

(Continued) **S126977317**

Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2359
Year:	2020
Agency:	SoCal Gas
Incident Date:	08/03/2020
Admin Agency:	California City Fire Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Natural Gas
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Per Caller: There was a structure fire which resulted in a meter being damaged releasing natural gas. Stopped and contained.

AI318 **PRIVATE RESIDENCE** **UST** **U004113268**
South **16977 MONTEREY** **N/A**
1/4-1/2 **NORTH EDWARDS, CA**
0.328 mi.
1733 ft. **Site 1 of 3 in cluster AI**

Actual:
2305 ft.

Focus Map:
49

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	16977 MONTEREY
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	570011
Owner Name:	OWENS, THOMAS & ELEANOR
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported

PRIVATE RESIDENCE (Continued) **U004113268**

Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

AI319 **THOMAS W OWENS** **SWEEPS UST** **U001586567**
South **16977 MONTEREY AVE** **HIST UST** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.328 mi.
1733 ft. **Site 2 of 3 in cluster AI**

Actual:
2305 ft.

Focus Map:
49

SWEEPS UST:
Name: OWENS RESIDENCE
Address: 16977 MONTEREY AVE
City: NORTH EDWARDS
Status: Not reported
Comp Number: 7075
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-007075-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

HIST UST:
Name: THOMAS W OWENS
Address: 16977 MONTEREY AVE
City,State,Zip: NORTH EDWARDS, CA 93523
File Number: 000251CE
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000251CE.pdf
Region: STATE
Facility ID: 00000007075
Facility Type: Not reported
Other Type: RESIDENCE
Contact Name: TOM & ELEANOR
Telephone: 6197694157
Owner Name: THOMAS W. OWENS
Owner Address: 16977 MONTEREY AVE.
Owner City,St,Zip: NORTH EDWARDS, CA 93523
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: 1978
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 12

THOMAS W OWENS (Continued) **U001586567**

Leak Detection: Visual

Click here for Geo Tracker PDF:

AI320 **1X T W OWENS** **HAZNET** **S123745519**
South **16977 MONTERY AVE** **HWTS** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.328 mi.
1733 ft. **Site 3 of 3 in cluster AI**

Actual:
2305 ft.

Focus Map:
49

HAZNET:

Name:	1X T W OWENS
Address:	16977 MONTERY AVE
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 935230000
Contact:	T W OWNENS
Telephone:	6197694157
Mailing Name:	Not reported
Mailing Address:	16977 MONTERY AVE
Year:	1991
Gepaid:	CAC000701528
TSD EPA ID:	CAD980883177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	0.2085

HWTS:

Name:	1X T W OWENS
Address:	16977 MONTERY AVE
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 935230000
EPA ID:	CAC000701528
Inactive Date:	10/25/2000
Create Date:	12/12/1991
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	16977 MONTERY AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NORTH EDWARDS, CA 935230000
Owner Name:	T W OWNENS
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	T W OWNENS
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

AJ321 **DEBORA EPHRIAM** **FINDS** **1024674385**
East **12489 SIERRA VIEW ST** **ECHO** **N/A**
1/4-1/2 **BORON, CA 93516**
0.335 mi.
1770 ft. **Site 1 of 3 in cluster AJ**

Actual:
2393 ft.

Focus Map:
51

FINDS:
Registry ID: 110070462779

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024674385
Registry ID:	110070462779
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070462779
Name:	DEBORA EPHRIAM
Address:	12489 SIERRA VIEW ST
City,State,Zip:	BORON, CA 93516

AJ322 **DEBORA EPHRIAM** **RCRA NonGen / NLR** **1024752681**
East **12489 SIERRA VIEW ST** **CAC002972490**
1/4-1/2 **BORON, CA 93516**
0.335 mi.
1770 ft. **Site 2 of 3 in cluster AJ**

Actual:
2393 ft.

Focus Map:
51

RCRA NonGen / NLR:

Date Form Received by Agency:		20180724
Handler Name:	DEBORA EPHRIAM	
Handler Address:		12489 SIERRA VIEW ST
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAC002972490
Contact Name:		DEBORA EPHRIAM
Contact Address:		12489 SIERRA VIEW ST
Contact City,State,Zip:		BORON, CA 93516
Contact Telephone:		760-403-0165
Contact Fax:		Not reported
Contact Email:		LIZE@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12489 SIERRA VIEW ST
Mailing City,State,Zip:		BORON, CA 93516
Owner Name:		DEBORA EPHRIAM

DEBORA EPHRIAM (Continued) **1024752681**

Owner Type:	Other
Operator Name:	DEBORA EPHRIAM
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

DEBORA EPHRIAM (Continued) **1024752681**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: DEBORA EPHRIAM
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12489 SIERRA VIEW ST
Owner/Operator City,State,Zip: BORON, CA 93516
Owner/Operator Telephone: 760-403-0165
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DEBORA EPHRIAM
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 12489 SIERRA VIEW ST
Owner/Operator City,State,Zip: BORON, CA 93516
Owner/Operator Telephone: 760-403-0165
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180724
Handler Name: DEBORA EPHRIAM
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AJ323 **DEBORA EPHRIAM** **HAZNET** **S124691154**
East **12489 SIERRA VIEW ST** **HWTS** **N/A**
1/4-1/2 **BORON, CA 93516**
0.335 mi.
1770 ft. **Site 3 of 3 in cluster AJ**

Actual:
2393 ft.

Focus Map:
51

HAZNET:

Name:	DEBORA EPHRIAM
Address:	12489 SIERRA VIEW ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	DEBORA EPHRIAM
Telephone:	7604030165
Mailing Name:	Not reported
Mailing Address:	12489 SIERRA VIEW ST
Year:	2018
Gepaid:	CAC002972490
TSD EPA ID:	AZR000520882
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	8.05000

HWTS:

Name:	DEBORA EPHRIAM
Address:	12489 SIERRA VIEW ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002972490
Inactive Date:	10/23/2018
Create Date:	07/24/2018
Last Act Date:	10/24/2018
Mailing Name:	Not reported
Mailing Address:	12489 SIERRA VIEW ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	DEBORA EPHRIAM
Owner Address:	12489 SIERRA VIEW ST
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	DEBORA EPHRIAM
Contact Address:	12489 SIERRA VIEW ST
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

---

324 **CHMIRS** **S125739099**
West **387 MORNING GLORY DR.** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA 93505**
0.337 mi.
1779 ft.

Actual:
2341 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	387 MORNING GLORY DR.
City,State,Zip:	CALIFORNIA CITY, CA 93505
OES Incident Number:	19-5649
OES notification:	08/31/2019

(Continued) **S125739099**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Unknown
Other:	Not reported
Date/Time:	1652
Year:	2019
Agency:	SoCAL Gas
Incident Date:	08/31/2019
Admin Agency:	California City Fire Department
Amount:	Not reported
Contained:	Stopped,Contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Natural Gas
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	1
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No

(Continued) **S125739099**

#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	Yes
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states that a vehicle drove near an MSA and broke the regulator causing the release of natural gas. 1 person evacuated. No water impacted.

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325 South 1/4-1/2 0.349 mi. 1843 ft. **GERALD D PERRY**
13629 FLINT ST
NORTH EDWARDS, CA 93523

SWEEPS UST **U001586550**
HIST UST **N/A**

Actual: 2313 ft.

Focus Map: 49

SWEEPS UST:

Name:	GERALD D PERRY
Address:	13629 FLINT ST
City:	NORTH EDWARDS
Status:	Active
Comp Number:	51746
Number:	9
Board Of Equalization:	Not reported
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	09-30-89
Owner Tank Id:	1
SWRCB Tank Id:	15-000-051746-000001
Tank Status:	A
Capacity:	550
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	1

HIST UST:

Name:	GERALD D PERRY
Address:	13629 FLINT ST
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	0002491E
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002491E.pdf
Region:	STATE
Facility ID:	00000051746
Facility Type:	Other
Other Type:	FARM
Contact Name:	GERALD PERRY
Telephone:	6197694176
Owner Name:	GERALD D PERRY
Owner Address:	13629 FLINT ST.
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0001

GERALD D PERRY (Continued) **U001586550**

Tank Num:	001
Container Num:	1
Year Installed:	1972
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

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326 North 1/4-1/2 0.353 mi. 1864 ft.

KERN CNTY/GENERAL SVCS
26998 JOHN ST
BORON, CA 93516

HAZNET HWTS **S112930188 N/A**

Actual: 2476 ft.

Focus Map: 52

HAZNET:

Name:	KERN CNTY/GENERAL SVCS
Address:	26998 JOHN ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	BART HUFFMAN/ENG II
Telephone:	6618683012
Mailing Name:	Not reported
Mailing Address:	1115 TRUXTUN AVE
Year:	2003
Gepaid:	CAC002565822
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.075

Additional Info:

Year:	2003
Gen EPA ID:	CAC002565822
Shipment Date:	20030604
Creation Date:	7/20/2004 10:01:52
Receipt Date:	20030604
Manifest ID:	22392813
Trans EPA ID:	CAR000129304
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P

KERN CNTY/GENERAL SVCS (Continued) **S112930188**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: KERN CNTY/GENERAL SVCS
Address: 26998 JOHN ST
Address 2: Not reported
City,State,Zip: BORON, CA 93516
EPA ID: CAC002565822
Inactive Date: 11/25/2003
Create Date: 05/28/2003
Last Act Date: 05/28/2003
Mailing Name: Not reported
Mailing Address: 1115 TRUXTUN AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: BAKERSFIELD, CA 93301
Owner Name: KERN COUNTY
Owner Address: 1115 TRUXTUN AVE
Owner Address 2: Not reported
Owner City,State,Zip: BAKERSFIELD, CA 93301
Contact Name: BART HUFFMAN/ENG II
Contact Address: 1115 TRUXTUN AVE
Contact Address 2: Not reported
City,State,Zip: BAKERSFIELD, CA 93301

327
West
1/4-1/2
0.355 mi.
1877 ft.

Actual:
2363 ft.

Focus Map:
29

CHC CALIFORNIA CITY, LLC **CERS HAZ WASTE** **S124441852**
20000 BUCKNELL CT **CUPA Listings** **N/A**
CALIFORNIA CITY, CA 93505 **CERS**

CERS HAZ WASTE:
Name: CHC CALIFORNIA CITY, LLC
Address: 20000 BUCKNELL CT
City,State,Zip: CALIFORNIA CITY, CA 93505
Site ID: 549826
CERS ID: 10809877
CERS Description: Hazardous Waste Generator

KERN CO CUPA:
Facility ID: FA0048110
CERS ID: 10809877
Name: CHC CALIFORNIA CITY, LLC
Address: 20000 BUCKNELL CT
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA
Billing Status: Active, billable
Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code: CB1T
HMIRRP Due Date: Not reported
Current Inspection Date: 10/1/2022
Employee: CUPA 3
Mailing Address: 4005 MANZANITA BLVD #6-17
Mailing Address 2: Not reported

CHC CALIFORNIA CITY, LLC (Continued) **S124441852**

Mailing City: CARMICHAEL
Mailing State: CA
Mailing Zip: 95608

CERS:
Name: CHC CALIFORNIA CITY, LLC
Address: 20000 BUCKNELL CT
City,State,Zip: CALIFORNIA CITY, CA 93505
Site ID: 549826
CERS ID: 10809877
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-08-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: During the visit to CHC Cal City, it was determined that the facility is not currently storing any hazardous materials on site. A phone call was made to Bradley Miller who stated that equipment and hazardous materials were stolen from this site. Theft occurred on 09/13/19 which caused the site to cease operations. The intent is to get this site up and running in the near future. Please be advised that this facility will be required to submit Emergency response Contingency plan when operations commence. A re-inspection will be conducted at a later date to inspect the facility.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: Frederick Mauch
Entity Title: Not reported
Affiliation Address: 20000 Bucknell Ct
Affiliation City: California City
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93505
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Nicholas Fuchs
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

CHC CALIFORNIA CITY, LLC (Continued) **S124441852**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Nicholas Fuchs
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHC California City, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	20000 Bucknell Rd.
Affiliation City:	California City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Bradley Miller
Entity Title:	Not reported
Affiliation Address:	20000 Bucknell Road
Affiliation City:	California City
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93505
Affiliation Phone:	(916) 709-5222
Affiliation Type Desc:	Operator
Entity Name:	Nicholas Fuchs
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(916) 291-1929
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300

CHC CALIFORNIA CITY, LLC (Continued) **S124441852**

Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

AK328 **HOME** **HIST UST** **U001586554**
North **16794 VISTA DEL ORO AVE** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.363 mi.
1916 ft. **Site 1 of 3 in cluster AK**

Actual:
2297 ft.

Focus Map:
49

HIST UST:

Name:	HOME
Address:	16794 VISTA DEL ORO AVE
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000008879
Facility Type:	Other
Other Type:	HOME USE FUEL STATIO
Contact Name:	N/A
Telephone:	6197694316
Owner Name:	GARY M. OATES
Owner Address:	16794 VISTA DEL ORA
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0001
Tank Num:	001
Container Num:	H-709783
Year Installed:	1980
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

AK329 **PRIVATE RESIDENCE** **UST** **U004113213**
North **16794 VISTA DEL ORA** **N/A**
1/4-1/2 **NORTH EDWARDS, CA**
0.363 mi.
1916 ft. **Site 2 of 3 in cluster AK**

Actual:
2297 ft.

Focus Map:
49

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	16794 VISTA DEL ORA
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550031
Owner Name:	OATES, GARY M.
Tank Num:	1

PRIVATE RESIDENCE (Continued) **U004113213**

Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

AK330 **HOME** **HIST UST** **S118411202**
North **16794 VISTA DEL ORA** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.363 mi.
1916 ft. **Site 3 of 3 in cluster AK**

Actual: **2297 ft.**
Focus Map: **49**

HIST UST:

Name:	HOME
Address:	16794 VISTA DEL ORA
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	000248FC
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000248FC.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

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331 **CHMIRS** **S105669233**
West **200 DESERT BREEZE DR** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA 93505**
0.365 mi.
1929 ft.

Actual: **2335 ft.**
Focus Map: **20**

CHMIRS:

Name:	Not reported
Address:	200 DESERT BREEZE DR
City,State,Zip:	CALIFORNIA CITY, CA 93505
OES Incident Number:	0-0438

(Continued) **S105669233**

OES notification:	01/30/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	N/A
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	California City FD
Incident Date:	1/30/200012:00:00 AM
Admin Agency:	California City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	natural gas
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported

(Continued) **S105669233**

#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	While digging to repair sewer line, homeonwer cut gas line thinking it was root

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AL332 **PRIVATE RESIDENCE** **UST** **U004113198**
North **13415 LAMEL ST** **N/A**
1/4-1/2 **NORTH EDWARDS, CA**
0.396 mi.
2092 ft. **Site 1 of 2 in cluster AL**

Actual:
2293 ft.

Focus Map:
49

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	13415 LAMEL ST
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550009
Owner Name:	ANDERSON, PETER & SHARON
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

AL333 **GASOLINE TANK** **SWEEPS UST** **U001586549**
North **13415 LAMEL** **HIST UST** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.396 mi.
2092 ft. **Site 2 of 2 in cluster AL**

Actual:
2293 ft.

Focus Map:
49

SWEEPS UST:

Name:	GASOLINE TANK
Address:	13415 LAMEL
City:	NORTH EDWARDS
Status:	Not reported
Comp Number:	9156
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported

GASOLINE TANK (Continued) **U001586549**

SWRCB Tank Id: 15-000-009156-000001
Tank Status: Not reported
Capacity: 245
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 2

Name: GASOLINE TANK
Address: 13415 LAMEL
City: NORTH EDWARDS
Status: Not reported
Comp Number: 9156
Number: Not reported
Board Of Equalization: Not reported
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-009156-000002
Tank Status: Not reported
Capacity: 245
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

HIST UST:
Name: GASOLINE TANK
Address: 13415 LAMEL
City,State,Zip: NORTH EDWARDS, CA 93523
File Number: 00024EBF
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024EBF.pdf
Region: STATE
Facility ID: 00000009156
Facility Type: Other
Other Type: PRIVATE
Contact Name: Not reported
Telephone: 6197694144
Owner Name: PETER L. ANDERSON
Owner Address: 13415 LAMEL
Owner City,St,Zip: NORTH EDWARDS, CA 93523
Total Tanks: 0002

Tank Num: 001
Container Num: #1
Year Installed: Not reported
Tank Capacity: 00000245
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: 12
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: #2

GASOLINE TANK (Continued) **U001586549**

Year Installed:	Not reported
Tank Capacity:	00000245
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	12
Leak Detection:	Stock Inventor

Click here for Geo Tracker PDF:

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334 **NORTH MUROC MUTUAL WATER COMPANY** **ECHO** **1026175299**
North **N/A**
1/4-1/2 **EDWARDS, CA 93523**
0.400 mi.
2113 ft.

Actual:
2295 ft.

Focus Map:
49

ECHO:

Envid:	1026175299
Registry ID:	110013131342
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110013131342
Name:	NORTH MUROC MUTUAL WATER COMPANY
Address:	Not reported
City,State,Zip:	EDWARDS, CA 93523

AM335 **SUSAN G ROBERSON** **SWEEPS UST** **U001586566**
South **13585 GILBERT ST** **HIST UST** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.401 mi.
2119 ft. **Site 1 of 2 in cluster AM**

Actual:
2311 ft.

Focus Map:
49

SWEEPS UST:

Name:	ROBERSON RESIDENCE
Address:	13585 GILBERT
City:	NORTH EDWARDS
Status:	Not reported
Comp Number:	15177
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-015177-000001
Tank Status:	Not reported
Capacity:	288
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	1

HIST UST:

Name:	SUSAN G ROBERSON
Address:	13585 GILBERT ST
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	0002511C
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002511C.pdf

SUSAN G ROBERSON (Continued) **U001586566**

Region:	STATE
Facility ID:	00000015177
Facility Type:	Other
Other Type:	RESIDENCE
Contact Name:	Not reported
Telephone:	6197625191
Owner Name:	SUSAN G. ROBERSON
Owner Address:	13585 GILBERT ST.
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0000
Tank Num:	001
Container Num:	1
Year Installed:	1977
Tank Capacity:	00000288
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

AM336 **PRIVATE RESIDENCE** **UST** **U004113207**
South **13585 GILBERT** **N/A**
1/4-1/2 **NORTH EDWARDS, CA**
0.401 mi.
2119 ft. **Site 2 of 2 in cluster AM**

Actual:
2311 ft.

Focus Map:
49

KERN CO. UST:

Name:	PRIVATE RESIDENCE
Address:	13585 GILBERT
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550023
Owner Name:	ROBERSON, MR & MRS
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

AN337 **EDWARDS AIR FORCE BASE - 5 - AOC 198** **MCS** **S110167767**
SE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.404 mi.
2132 ft. **Site 1 of 3 in cluster AN**

Actual: MCS:
2313 ft.

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 198
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100102400
Latitude:	34.99405
Longitude:	-117.8780
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 447
LOC Case Number:	100052 -- 447
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100102400
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Focus Map: **48**

Click here to access the California GeoTracker records for this facility:

AO338 **BORON BIBLE CHURCH** **RCRA NonGen / NLR** **1024758272**
North **26904 NICHOLS ST** **CAC002978113**
1/4-1/2 **BORON, CA 93516**
0.405 mi.
2141 ft. **Site 1 of 3 in cluster AO**

Actual: RCRA NonGen / NLR:
2470 ft.

Date Form Received by Agency:		20180829
Handler Name:	BORON BIBLE CHURCH	
Handler Address:		26904 NICHOLS ST
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAC002978113
Contact Name:		REBECCA THOMPSON
Contact Address:		26904 NICHOLS ST
Contact City,State,Zip:		BORON, CA 93516
Contact Telephone:		760-559-5817
Contact Fax:		Not reported
Contact Email:		LIZE@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		26904 NICHOLS ST
Mailing City,State,Zip:		BORON, CA 93516
Owner Name:		BORON BIBLE CHURCH

Focus Map: **52**

BORON BIBLE CHURCH (Continued) **1024758272**

Owner Type:	Other
Operator Name:	REBECCA THOMPSON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

BORON BIBLE CHURCH (Continued) **1024758272**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: BORON BIBLE CHURCH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 26904 NICHOLS ST
Owner/Operator City,State,Zip: BORON, CA 93516
Owner/Operator Telephone: 760-559-5817
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: REBECCA THOMPSON
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 26904 NICHOLS ST
Owner/Operator City,State,Zip: BORON, CA 93516
Owner/Operator Telephone: 760-559-5817
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20180829
Handler Name: BORON BIBLE CHURCH
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AO339 **BORON BIBLE CHURCH** **FINDS** **1024615501**
North **26904 NICHOLS ST** **ECHO** **N/A**
1/4-1/2 **BORON, CA 93516**
0.405 mi.
2141 ft. **Site 2 of 3 in cluster AO**

Actual:
2470 ft.

Focus Map:
52

FINDS:
Registry ID: 110070403888

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024615501
Registry ID:	110070403888
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070403888
Name:	BORON BIBLE CHURCH
Address:	26904 NICHOLS ST
City,State,Zip:	BORON, CA 93516

AO340 **BORON BIBLE CHURCH** **HAZNET** **S124696588**
North **26904 NICHOLS ST** **HWTS** **N/A**
1/4-1/2 **BORON, CA 93516**
0.405 mi.
2141 ft. **Site 3 of 3 in cluster AO**

Actual:
2470 ft.

Focus Map:
52

HAZNET:

Name:	BORON BIBLE CHURCH
Address:	26904 NICHOLS ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	REBECCA THOMPSON
Telephone:	7605595817
Mailing Name:	Not reported
Mailing Address:	26904 NICHOLS ST
Year:	2018
Gepaid:	CAC002978113
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.69000

HWTS:

Name:	BORON BIBLE CHURCH
Address:	26904 NICHOLS ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

BORON BIBLE CHURCH (Continued) **S124696588**

EPA ID:	CAC002978113
Inactive Date:	11/28/2018
Create Date:	08/29/2018
Last Act Date:	11/29/2018
Mailing Name:	Not reported
Mailing Address:	26904 NICHOLS ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	BORON BIBLE CHURCH
Owner Address:	26904 NICHOLS ST
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	REBECCA THOMPSON
Contact Address:	26904 NICHOLS ST
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

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341 **VICKI MUELLNER** **HAZNET S123073819**
South **16821 DESERITA AVE** **HWTS N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.413 mi.
2179 ft.

Actual:
2303 ft.

Focus Map:
49

HAZNET:

Name:	VICKI MUELLNER
Address:	16821 DESERITA AVE
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 93523
Contact:	VICKI MUELLNER
Telephone:	5598590983
Mailing Name:	Not reported
Mailing Address:	16821 DESERITA AVE
Year:	2017
Gepaid:	CAC002939527
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.46

Additional Info:

Year:	2017
Gen EPA ID:	CAC002939527
Shipment Date:	20171214
Creation Date:	8/7/2018 18:30:26
Receipt Date:	20171221
Manifest ID:	014880796JJK
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000272773
Trans 2 Name:	UNIWASTE LLC
TSDF EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD
TSDF Alt EPA ID:	Not reported

VICKI MUELLNER (Continued) **S123073819**

TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.46
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	VICKI MUELLNER
Address:	16821 DESERITA AVE
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 93523
EPA ID:	CAC002939527
Inactive Date:	03/09/2018
Create Date:	12/07/2017
Last Act Date:	03/09/2018
Mailing Name:	Not reported
Mailing Address:	16821 DESERITA AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	NORTH EDWARDS, CA 93523
Owner Name:	VICKI MUELLNER
Owner Address:	16821 DESERITA AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	NORTH EDWARDS, CA 93523
Contact Name:	VICKI MUELLNER
Contact Address:	16821 DESERITA AVE
Contact Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 93523

342
West
1/4-1/2
0.414 mi.
2187 ft.

271 DESSERT BREEZE DRIVE
CALIFORNIA CITY, CA

CHMIRS **S119782722**
N/A

Actual:
2333 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	271 DESSERT BREEZE DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
OES Incident Number:	16-6341
OES notification:	10/17/2016
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported

(Continued) **S119782722**

Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Unknown
Other:	Not reported
Date/Time:	1630
Year:	2016
Agency:	NRC
Incident Date:	10/17/2016
Admin Agency:	California City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Natural Gas
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported

(Continued) **S119782722**

Description: Per NRC #1161810, "Caller stated there was a house fire and a release of natural gas. Caller stated there was tampering with natural gas to turn the natural gas back on. Caller stated they can not rule out natural gas release because someone tampered with

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343 **EAFB OFF-BASE ADJACENT AREAS** **UXO** **1024715756**
North **N/A**
1/4-1/2 **EDWARDS AFB, CA**
0.420 mi.
2220 ft.

Actual:
2293 ft.

Focus Map:
49

UXO:

DoD Component:	Air Force
Installation Name:	EDWARDS AIR FORCE BASE
Name:	EAFB OFF-BASE ADJACENT AREAS
Address:	Not reported
Address 2:	Not reported
City,State,Zip:	EDWARDS AFB, CA
Site ID:	AL505
Site Type:	Air to Land
Latitude:	35.020000
Longitude:	-117.840000

AN344 **EDWARDS AIR FORCE BASE - 5 - AOC 196** **MCS** **S110168219**
SE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.421 mi.
2222 ft. **Site 2 of 3 in cluster AN**

Actual:
2313 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 196
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100101000
Latitude:	34.99363
Longitude:	-117.8781
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 461
LOC Case Number:	100052 -- 461
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100101000
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

345 NE 1/4-1/2 0.421 mi. 2225 ft. **YESENA ALFARO**
24232 JUNIPER AVE
BORON, CA 93516

HAZNET S118931842
HWTS N/A

Actual: 2396 ft.

Focus Map: 51

HAZNET:

Name:	YESENA ALFARO
Address:	24232 JUNIPER AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	YESENA ALFARO
Telephone:	7606789467
Mailing Name:	Not reported
Mailing Address:	24232 JUNIPER AVE
Year:	2015
Gepaid:	CAC002834137
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23

Additional Info:

Year:	2015
Gen EPA ID:	CAC002834137
Shipment Date:	20151026
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151103
Manifest ID:	009982215JJK
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAL000317320
Trans 2 Name:	UNIWASTE
TSDF EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.23
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	YESENA ALFARO
Address:	24232 JUNIPER AVE
Address 2:	Not reported

YESENA ALFARO (Continued) **S118931842**

City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002834137
Inactive Date:	01/19/2016
Create Date:	10/19/2015
Last Act Date:	01/19/2016
Mailing Name:	Not reported
Mailing Address:	24232 JUNIPER AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	YESENA ALFARO
Owner Address:	24232 JUNIPER AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	YESENA ALFARO
Contact Address:	24232 JUNIPER AVE
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

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346 **DONNA FORT** **HAZNET** **S117283831**
ENE **24330 TAMARISK AVE** **HWTS** **N/A**
1/4-1/2 **BORON, CA 93516**
0.422 mi.
2226 ft.

Actual:
2404 ft.

Focus Map:
52

HAZNET:

Name:	DONNA FORT
Address:	24330 TAMARISK AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	DONNA FORT
Telephone:	7607626320
Mailing Name:	Not reported
Mailing Address:	24330 TAMARISK AVE
Year:	2013
Gepaid:	CAC002718408
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	1.6

Additional Info:

Year:	2013
Gen EPA ID:	CAC002718408
Shipment Date:	20130208
Creation Date:	4/9/2013 22:15:07
Receipt Date:	20130211
Manifest ID:	010495271JJK
Trans EPA ID:	CAL000190213
Trans Name:	ALTERNATIVE TECHNOLOGIES
Trans 2 EPA ID:	CAR000181891
Trans 2 Name:	BDC SPECIAL WASTE SERVICES
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION

DONNA FORT (Continued) **S117283831**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.6
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DONNA FORT
Address:	24330 TAMARISK AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002718408
Inactive Date:	04/26/2013
Create Date:	01/25/2013
Last Act Date:	04/28/2013
Mailing Name:	Not reported
Mailing Address:	24330 TAMARISK AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	DONNA FORT
Owner Address:	24330 TAMARISK AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	DONNA FORT
Contact Address:	24330 TAMARISK AVE
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

AP347 **EDWARDS AIR FORCE BASE - 5 - AOC 251** **CERS** **S123504459**
SE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.423 mi.
2233 ft. **Site 1 of 4 in cluster AP**

Actual:
2312 ft.

Focus Map:
48

CERS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 232
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Site ID:	232871
CERS ID:	DOD100107300
CERS Description:	Military Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title:	Not reported
Affiliation Address:	15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City:	Victorville
Affiliation State:	CA

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 252
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 211393
CERS ID: DOD100104000
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 253
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 236984
CERS ID: DOD100104100
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 243
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 212764
CERS ID: DOD100107500
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 245
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 242640
CERS ID: DOD100112100
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 424
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 242758
CERS ID: DOD100142400
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 284
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 256802
CERS ID: DOD100109000
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Name: EDWARDS AIR FORCE BASE - 5 - AOC 189
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 257678
CERS ID: DOD100097900
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 246
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 187128
CERS ID: DOD100112200
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 402
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 190468
CERS ID: DOD100105900
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 241
Address: Not reported

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 190894
CERS ID: DOD100145700
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 251
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 197491
CERS ID: DOD100117000
CERS Description: Military Cleanup Site

Coordinates:
Site ID: 197491
Facility Name: Edwards Air Force Base - 5 - AOC 251
Env Int Type Code: MCS
Program ID: DOD100117000
Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.986849
Longitude: -117.864224

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 251
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 197491
CERS ID: DOD100117100
CERS Description: Military Cleanup Site

Coordinates:
Site ID: 197491
Facility Name: Edwards Air Force Base - 5 - AOC 251
Env Int Type Code: MCS
Program ID: DOD100117000

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Coord Name: Not reported
Ref Point Type Desc: Unknown
Latitude: 34.986849
Longitude: -117.864224

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 282
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 197764
CERS ID: DOD100145900
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 255
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 199894
CERS ID: DOD100104200
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 192
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Site ID: 243437
CERS ID: DOD100099400
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 200
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 219948
CERS ID: DOD100102600
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 235
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 223077
CERS ID: DOD100144000
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 247
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 222695
CERS ID: DOD100112300

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 194
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 225517
CERS ID: DOD100100800
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 238
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 203161
CERS ID: DOD100144200
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 348
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 204111
CERS ID: DOD100147300
CERS Description: Military Cleanup Site

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 190
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 207521
CERS ID: DOD100099200
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 401
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 212269
CERS ID: DOD100105800
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 248
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 212616
CERS ID: DOD100116800
CERS Description: Military Cleanup Site

Affiliation:

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 233
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 220058
CERS ID: DOD100142700
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 249
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 224418
CERS ID: DOD100116900
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 369
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 227188
CERS ID: DOD100105600
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 349
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 206046
CERS ID: DOD100147400
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 256
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 187375
CERS ID: DOD100104300
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 244
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 210356
CERS ID: DOD100112000
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 229
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 190173
CERS ID: DOD100142500
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 422
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 190823
CERS ID: DOD100147500
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 231
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 225740
CERS ID: DOD100142600
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 281
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 226792
CERS ID: DOD100108800
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 191
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 227120
CERS ID: DOD100099300
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 188
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 232333
CERS ID: DOD100097800
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 289
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 234099
CERS ID: DOD100113800
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 202
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 230747
CERS ID: DOD100115200
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 187
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 232659
CERS ID: DOD100097700
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Name: EDWARDS AIR FORCE BASE - 5 - AOC 283
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 235373
CERS ID: DOD100108900
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 239
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 236153
CERS ID: DOD100144300
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 236
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 236894
CERS ID: DOD100144100
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5
Address: Not reported

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 242801
CERS ID: DOD100145500
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 287
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 246512
CERS ID: DOD100113600
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 198
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 250801
CERS ID: DOD100102400
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 242
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 251923

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

CERS ID: DOD100145800
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 350
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 254513
CERS ID: DOD100113900
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 204
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 254707
CERS ID: DOD100115400
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 421
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 255902
CERS ID: DOD100110600
CERS Description: Military Cleanup Site

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 197
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 256381
CERS ID: DOD100101100
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 286
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 195837
CERS ID: DOD100109100
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 201
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 195335
CERS ID: DOD100102700
CERS Description: Military Cleanup Site

Affiliation:

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 285
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 196117
CERS ID: DOD100147200
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 423
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 198278
CERS ID: DOD100110700
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 193
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 240476
CERS ID: DOD100099500
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 403
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 223800
CERS ID: DOD100110400
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 288
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 200836
CERS ID: DOD100113700
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - SITE 240
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 226593
CERS ID: DOD100145600
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 199
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 227680
CERS ID: DOD100102500
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 196
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 228102
CERS ID: DOD100101000
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 237
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 245441
CERS ID: DOD100107400
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 370
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 250105
CERS ID: DOD100105700
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 203
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 248327
CERS ID: DOD100115300
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 420
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 252155
CERS ID: DOD100110500
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported

EDWARDS AIR FORCE BASE - 5 - AOC 251 (Continued) **S123504459**

Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 195
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 249856
CERS ID: DOD100100900
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 228
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 253325
CERS ID: DOD100115500
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

Name: EDWARDS AIR FORCE BASE - 5 - AOC 230
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Site ID: 254990
CERS ID: DOD100107200
CERS Description: Military Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ALONZO POACH - LAHONTAN RWQCB (REGION 6V)
Entity Title: Not reported
Affiliation Address: 15095 Amargosa Road G Bldg 2, Ste 210
Affiliation City: Victorville
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 7602417365

AP348 **EDWARDS AIR FORCE BASE - 5 - AOC 199** **MCS** **S110167588**
SE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.424 mi.
2241 ft. **Site 2 of 4 in cluster AP**

Actual:
2312 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 199
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100102500
Latitude:	34.99465
Longitude:	-117.8767
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 446
LOC Case Number:	100052 -- 446
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100102500
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AQ349 **FOUR CORNERS UNOCAL** **FINDS** **1023350567**
North **2851 STATE HWY 58** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516**
0.425 mi.
2243 ft. **Site 1 of 8 in cluster AQ**

Actual:
2514 ft.

Focus Map:
53

FINDS:
Registry ID: 110066468977

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AQ350 **FOUR CORNERS UNOCAL** **RGA LUST** **S114623776**
North **2851 STATE HWY 58** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA**
0.425 mi.
2243 ft. **Site 2 of 8 in cluster AQ**

Actual:
2514 ft.

Focus Map:
53

RGA LUST:

Name:	FOUR CORNERS UNOCAL
Address:	2851 STATE HWY 58
City:	KRAMER JUNCTION
State:	KRAMER JUNCTION
	2012 FOUR CORNERS UNOCAL 2851 STATE HWY 58
Name:	FOUR CORNERS UNOCAL
Address:	2851 STATE HWY 58

FOUR CORNERS UNOCAL (Continued) **S114623776**

City: KRAMER JUNCTION
State: KRAMER JUNCTION
2011 FOUR CORNERS UNOCAL 2851 STATE HWY 58
Name: FOUR CORNERS UNOCAL
Address: 2851 STATE HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2010 FOUR CORNERS UNOCAL 2851 STATE HWY 58
Name: FOUR CORNERS UNOCAL
Address: 2851 STATE HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2009 FOUR CORNERS UNOCAL 2851 STATE HWY 58

AQ351 **FOUR CORNERS UNOCAL** **LUST** **S101301173**
North **2851 STATE HWY 58** **Cortese** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516** **HAZNET**
0.425 mi. **CERS**
2243 ft. **Site 3 of 8 in cluster AQ** **HWTS**

Actual: LUST Region 6V:
2514 ft.
Name: FOUR CORNERS UNOCAL
Focus Map: Address: HWY 395 & HWY 58
53 City: KRAMER JUNCTION
Region: 6V
Case Number: 6B3600205T
Leak Record: 8/9/1990
Report Date: 5/1/1990
Reported By Address: Not reported
Responsible Party: MOBIL BUSINESS RESOURCES CORP
Operator: Not reported
Cross Street: Not reported
Local Agency: 36000L
Regional Board: 6V
Chemical: Not reported
Case Type: Drinking Water Aquifer affected
Funding: F
Enforce Type: SEL
How Found: Tank Closure
How Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Global ID: T0607100716
Stop Date: 5/1/1990
Leak Confirm: Not reported
Submit Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 4/30/1999
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: 10/3/2003
Close Date: Not reported
Discovered: 5/1/1990
Enforce Date: 2/3/1999
Review Date: 11/3/2001
GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: B

FOUR CORNERS UNOCAL (Continued) **S101301173**

Max MTBE Grnd Wtr: 48200
Max MTBE Soil: Not reported
MTBE Counts: 1
MTBE Fuel: 0
MTBE Tested: YES
Organization Name: Not reported
Status: Post remedial action monitoring
Contact: Not reported
Interim Action: No
Pilot Program: LUST
Lat/Long: 35 / -117.6589265
Staff Initials: GDC
Local Agency Staff: LH6
Lead Agency: Local Agency
Summary: GW CASE.GAS CONTAM.DTW-75'BGS.3 WATER BEARING ZONES INV. 68',75',133'.WATER NOT DETECTED IN 68'.CASE WAS RVWD FOR MON ONLY CLSRE.NEITHER OPTIONS APPRVD.RP RECVD RSPNS IN LTR DATED 3/14/96.REMEDIATION CONSISTS OF SVE.
Basin Number: ANTELOPE VALLEY (6-4
Beneficial: MUN
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: 90082
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 12685.89837
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

LUST:
Name: FOUR CORNERS UNOCAL
Address: 2851 STATE HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100716
Global Id: T0607100716
Latitude: 34.9919997972754
Longitude: -117.540879249573
Status: Completed - Case Closed
Status Date: 12/28/2018
Case Worker: BDG
RB Case Number: 6B3600205T
Local Agency: Not reported
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History: Not reported

LUST:
Global Id: T0607100716
Contact Type: Regional Board Caseworker
Contact Name: BRIAN GREY

FOUR CORNERS UNOCAL (Continued) **S101301173**

Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BOULEVARD
City: SOUTH LAKE TAHOE
Email: bgrey@waterboards.ca.gov
Phone Number: Not reported

LUST:

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 12/27/2018
Action: Closure/No Further Action Letter

Global Id: T0607100716
Action Type: RESPONSE
Date: 03/06/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 03/26/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 06/30/2003
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 09/30/2003
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 12/30/2003
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 03/30/2004
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 09/30/2004
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 12/30/2004
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 03/30/2005
Action: Electronic Reporting Submittal Due

FOUR CORNERS UNOCAL (Continued) **S101301173**

Global Id: T0607100716
Action Type: RESPONSE
Date: 03/17/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 02/03/1999
Action: * Historical Enforcement

Global Id: T0607100716
Action Type: RESPONSE
Date: 12/11/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 07/28/2008
Action: Referral to Regional Board

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 07/23/2009
Action: Letter - Notice

Global Id: T0607100716
Action Type: RESPONSE
Date: 09/13/2016
Action: Other Report / Document

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 12/08/2015
Action: Verbal Enforcement

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 01/26/2016
Action: Email Correspondence

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 07/29/2015
Action: Verbal Enforcement

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 08/13/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 09/04/2015
Action: Staff Letter

Global Id: T0607100716
Action Type: ENFORCEMENT

FOUR CORNERS UNOCAL (Continued) **S101301173**

Date: 08/14/2015
Action: Staff Letter

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 07/31/2014
Action: Verbal Enforcement

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 09/28/2016
Action: Notification - Preclosure

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 08/29/2018
Action: Email Correspondence

Global Id: T0607100716
Action Type: Other
Date: 05/01/1990
Action: Leak Discovery

Global Id: T0607100716
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 07/16/2008
Action: Remedial Progress Report

FOUR CORNERS UNOCAL (Continued) **S101301173**

Global Id: T0607100716
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 05/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 06/25/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 09/30/2002
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 03/30/2003
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 03/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 06/30/2004
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 06/30/2002
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 07/03/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607100716
Action Type: ENFORCEMENT

FOUR CORNERS UNOCAL (Continued) **S101301173**

Date: 07/28/2008
Action: Referral to Regional Board

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 12/07/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607100716
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 10/03/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 10/18/2005
Action: * No Action

Global Id: T0607100716
Action Type: RESPONSE
Date: 12/30/2002
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: RESPONSE
Date: 06/30/2004
Action: Electronic Reporting Submittal Due

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 01/22/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: Letter - Notice

FOUR CORNERS UNOCAL (Continued) **S101301173**

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 09/08/2016
Action: Verbal Enforcement

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 11/13/2018
Action: Email Correspondence

Global Id: T0607100716
Action Type: Other
Date: 05/01/1990
Action: Leak Stopped

Global Id: T0607100716
Action Type: RESPONSE
Date: 12/04/2002
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 04/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0607100716
Action Type: RESPONSE
Date: 04/29/2004
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 11/21/2012
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 07/08/2013
Action: Site Assessment Report

Global Id: T0607100716
Action Type: RESPONSE
Date: 10/24/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607100716
Action Type: RESPONSE
Date: 04/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607100716
Action Type: RESPONSE

FOUR CORNERS UNOCAL (Continued) **S101301173**

Date: 11/19/2018
Action: Well Destruction Report

Global Id: T0607100716
Action Type: REMEDIATION
Date: 05/01/1990
Action: Excavation

Global Id: T0607100716
Action Type: REMEDIATION
Date: 03/19/2002
Action: Soil Vapor Extraction (SVE)

Global Id: T0607100716
Action Type: REMEDIATION
Date: 03/01/2002
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 11/09/2017
Action: Email Correspondence

Global Id: T0607100716
Action Type: Other
Date: 08/01/1990
Action: Leak Reported

Global Id: T0607100716
Action Type: RESPONSE
Date: 12/31/2002
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 12/24/2002
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0607100716
Action Type: RESPONSE
Date: 04/01/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 08/09/2015
Action: Technical Correspondence / Assistance / Other

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 08/09/2015
Action: Site Visit / Inspection / Sampling

FOUR CORNERS UNOCAL (Continued) **S101301173**

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 01/07/2014
Action: Staff Letter

Global Id: T0607100716
Action Type: ENFORCEMENT
Date: 01/02/2014
Action: Staff Letter

LUST:
Global Id: T0607100716
Status: Open - Case Begin Date
Status Date: 05/01/1990

Global Id: T0607100716
Status: Open - Site Assessment
Status Date: 04/30/1999

Global Id: T0607100716
Status: Open - Verification Monitoring
Status Date: 10/03/2003

Global Id: T0607100716
Status: Open - Verification Monitoring
Status Date: 08/05/2005

Global Id: T0607100716
Status: Open - Verification Monitoring
Status Date: 08/22/2005

Global Id: T0607100716
Status: Open - Eligible for Closure
Status Date: 09/28/2016

Global Id: T0607100716
Status: Completed - Case Closed
Status Date: 12/28/2018

CORTESE:
Name: FOUR CORNERS UNOCAL
Address: 2851 STATE HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607100716
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported

FOUR CORNERS UNOCAL (Continued) **S101301173**

Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	KAREN CAILLIER
Address:	2851 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	KRAMER CORNER, CA 93516
Contact:	KAREN CAILLIER
Telephone:	6197626692
Mailing Name:	Not reported
Mailing Address:	2851 HIGHWAY 58
Year:	2013
Gepaid:	CAC002751253
TSD EPA ID:	NVT330010000
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.22935

Additional Info:

Year:	2013
Gen EPA ID:	CAC002751253
Shipment Date:	20131118
Creation Date:	4/5/2014 22:15:10
Receipt Date:	20131127
Manifest ID:	012159681JJK
Trans EPA ID:	CAR000201095
Trans Name:	PHOENIX ENVIRONMENTAL ENGINEERING & CONSTRUCTION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

FOUR CORNERS UNOCAL (Continued) **S101301173**

Additional Code 5: Not reported

CERS:
Name: FOUR CORNERS UNOCAL
Address: 2851 STATE HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Site ID: 241875
CERS ID: T0607100716
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: BRIAN GREY - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BOULEVARD
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: KAREN CAILLIER
Address: 2851 HIGHWAY 58
Address 2: Not reported
City,State,Zip: KRAMER CORNER, CA 93516
EPA ID: CAC002751253
Inactive Date: 02/13/2014
Create Date: 11/14/2013
Last Act Date: 02/14/2014
Mailing Name: Not reported
Mailing Address: 2851 HIGHWAY 58
Mailing Address 2: Not reported
Mailing City,State,Zip: KRAMER CORNER, CA 93516
Owner Name: KAREN CAILLIER
Owner Address: 2851 HIGHWAY 58
Owner Address 2: Not reported
Owner City,State,Zip: KRAMER CORNER, CA 93516
Contact Name: KAREN CAILLIER
Contact Address: 2851 HIGHWAY 58
Contact Address 2: Not reported
City,State,Zip: KRAMER CORNER, CA 93516

AQ352 **FOUR CORNERS CHEVRON** **CERS** **S123504333**
North **2852 HWY 58** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516**
0.432 mi.
2283 ft. **Site 4 of 8 in cluster AQ**

Actual:
2513 ft.

Focus Map:
53

CERS:
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Site ID: 192056
CERS ID: T0607100862
CERS Description: Leaking Underground Storage Tank Cleanup Site

FOUR CORNERS CHEVRON (Continued) **S123504333**

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: BRIAN GREY - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BOULEVARD
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

AQ353 **FOUR CORNERS CHEVRON** **RGA LUST** **S114623751**
North **2852 HWY 58** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA**
0.432 mi.
2283 ft. **Site 5 of 8 in cluster AQ**

Actual:
2513 ft.

Focus Map:
53

RGA LUST:
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2012 FOUR CORNERS CHEVRON 2852 HWY 58
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2011 FOUR CORNERS CHEVRON 2852 HWY 58
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2010 FOUR CORNERS CHEVRON 2852 HWY 58
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
2009 FOUR CORNERS CHEVRON 2852 HWY 58
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
1998 FOUR CORNERS CHEVRON 2852 HWY 58
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
1997 FOUR CORNERS CHEVRON 2852 HWY 58
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City: KRAMER JUNCTION
State: KRAMER JUNCTION
1996 FOUR CORNERS CHEVRON 2852 HWY 58

AQ354 **FOUR CORNERS CHEVRON** **FINDS** **1023318628**
North **2852 HWY 58** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516**
0.432 mi.
2283 ft. **Site 6 of 8 in cluster AQ**

Actual:
2513 ft.

FINDS:
Registry ID: 110066120682

Focus Map:
53

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AQ355 **11756 RB6T** **FINDS** **1014670984**
North **2852 HWY 58** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516**
0.432 mi.
2283 ft. **Site 7 of 8 in cluster AQ**

Actual:
2513 ft.

FINDS:
Registry ID: 110043362483

Focus Map:
53

Click Here:

Environmental Interest/Information System:
LEAKING UNDERGROUND STORAGE TANK - ARRA

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AQ356 **FOUR CORNERS CHEVRON** **LUST** **S105024314**
North **2852 HWY 58** **Cortese** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516** **EMI**
0.432 mi. **HIST CORTESE**
2283 ft. **Site 8 of 8 in cluster AQ** **San Bern. Co. Permit**

Actual:
2513 ft.

LUST Region 6V:

Name:	FOUR CORNERS CHEVRON
Address:	5852 HWY 58
City:	KRAMER JUNCTION
Region:	6V
Case Number:	6B3600681T
Leak Record:	3/21/1996
Report Date:	9/27/1995
Reported By Address:	Not reported
Responsible Party:	FOUR CORNERS CHEVRON
Operator:	KAREN CAILLIER
Cross Street:	HIGHWAY 395
Local Agency:	36000L
Regional Board:	6V
Chemical:	Not reported
Case Type:	Drinking Water Aquifer affected
Funding:	F
Enforce Type:	SEL
How Found:	Tank Closure
How Stopped:	Not reported

Focus Map:
53

FOUR CORNERS CHEVRON (Continued) **S105024314**

Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T0607100862
Stop Date:	Not reported
Leak Confirm:	Not reported
Submit Workplan:	10/13/1995
Prelim Assess:	Not reported
Pollution Char:	10/31/1995
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	2/13/2004
Close Date:	Not reported
Discovered:	9/27/1995
Enforce Date:	10/25/1995
Review Date:	6/16/2000
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
MTBE class:	C
Max MTBE Grnd Wtr:	77
Max MTBE Soil:	Not reported
MTBE Counts:	1
MTBE Fuel:	0
MTBE Tested:	YES
Organization Name:	Not reported
Status:	Post remedial action monitoring
Contact:	Not reported
Interim Action:	Not reported
Pilot Program:	LUST
Lat/Long:	35 / -117.6589265
Staff Initials:	GDC
Local Agency Staff:	LH6
Lead Agency:	Local Agency
Summary:	Not reported
Basin Number:	ANTELOPE VALLEY (6-4
Beneficial:	MUN
Priority:	Not reported
UST Cleanup Fund ID:	Not reported
Suspended:	Not reported
Local Case Number:	95057
Amount:	Not reported
Abate Method:	Not reported
Water System:	Not reported
Well Name:	Not reported
Distance:	12685.89837
Wst Disch Reqrmnt Global ID:	Not reported
Wst Disch Reqrmnt Name:	Not reported

LUST:

Name:	FOUR CORNERS CHEVRON
Address:	2852 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0607100862
Global Id:	T0607100862
Latitude:	34.9923513728067
Longitude:	-117.54105091095

FOUR CORNERS CHEVRON (Continued) **S105024314**

Status: Completed - Case Closed
Status Date: 01/22/2019
Case Worker: BDG
RB Case Number: 6B3600681T
Local Agency: Not reported
File Location: Regional Board
Local Case Number: 95057
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline, MTBE / TBA / Other Fuel Oxygenates
Site History: One 2,000-gallon gasoline tank removed 9/27/1995. Two 10,000-gallon gasoline tanks were abandoned in by backfilling with a cement grout due to their location beneath the dispenser islands and overhead canopy.

LUST:
Global Id: T0607100862
Contact Type: Regional Board Caseworker
Contact Name: BRIAN GREY
Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BOULEVARD
City: SOUTH LAKE TAHOE
Email: bgrey@waterboards.ca.gov
Phone Number: Not reported

LUST:
Global Id: T0607100862
Action Type: RESPONSE
Date: 06/05/2015
Action: Corrective Action Plan / Remedial Action Plan - Regulator Responded

Global Id: T0607100862
Action Type: RESPONSE
Date: 03/17/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 03/05/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 12/11/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 07/28/2008
Action: Referral to Regional Board

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 01/07/2014
Action: Staff Letter

Global Id: T0607100862
Action Type: ENFORCEMENT

FOUR CORNERS CHEVRON (Continued) **S105024314**

Date: 03/20/2017
Action: Notification - Preclosure

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 08/29/2018
Action: Email Correspondence

Global Id: T0607100862
Action Type: REMEDIATION
Date: 03/19/2002
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0607100862
Action Type: REMEDIATION
Date: 03/19/2002
Action: Soil Vapor Extraction (SVE)

Global Id: T0607100862
Action Type: Other
Date: 09/27/1995
Action: Leak Discovery

Global Id: T0607100862
Action Type: RESPONSE
Date: 11/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 07/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

FOUR CORNERS CHEVRON (Continued) **S105024314**

Global Id: T0607100862
Action Type: RESPONSE
Date: 01/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 05/30/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 03/21/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 03/06/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 05/31/2003
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 01/22/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607100862
Action Type: RESPONSE
Date: 06/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 07/16/2008
Action: Remedial Progress Report

Global Id: T0607100862
Action Type: RESPONSE

FOUR CORNERS CHEVRON (Continued) **S105024314**

Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 10/25/1995
Action: * Historical Enforcement

Global Id: T0607100862
Action Type: RESPONSE
Date: 02/13/2004
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 03/30/2005
Action: Electronic Reporting Submittal Due

Global Id: T0607100862
Action Type: RESPONSE
Date: 03/30/2005
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 09/02/2005
Action: * Verbal Communication

Global Id: T0607100862
Action Type: RESPONSE
Date: 10/27/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 07/23/2009
Action: Letter - Notice

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 07/03/2009
Action: Technical Correspondence / Assistance / Other

Global Id: T0607100862
Action Type: RESPONSE
Date: 11/03/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 11/09/2017
Action: Email Correspondence

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 01/24/2019
Action: Closure/No Further Action Letter

FOUR CORNERS CHEVRON (Continued) **S105024314**

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 08/10/2009
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 08/10/2009
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 12/07/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0607100862
Action Type: RESPONSE
Date: 07/30/2008
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 03/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 12/04/2002
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 04/30/2009
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0607100862
Action Type: RESPONSE
Date: 11/21/2012
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 05/07/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0607100862
Action Type: ENFORCEMENT

FOUR CORNERS CHEVRON (Continued) **S105024314**

Date: 07/20/2009
Action: Letter - Notice

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 09/03/2009
Action: Staff Letter

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 06/01/2017
Action: Email Correspondence

Global Id: T0607100862
Action Type: Other
Date: 09/27/1995
Action: Leak Reported

Global Id: T0607100862
Action Type: RESPONSE
Date: 12/31/2002
Action: Monitoring Report - Quarterly

Global Id: T0607100862
Action Type: RESPONSE
Date: 07/15/2013
Action: Site Assessment Report

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 07/28/2008
Action: Referral to Regional Board

Global Id: T0607100862
Action Type: RESPONSE
Date: 04/06/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0607100862
Action Type: ENFORCEMENT
Date: 07/31/2014
Action: Verbal Enforcement

LUST:
Global Id: T0607100862
Status: Open - Case Begin Date
Status Date: 09/27/1995

Global Id: T0607100862
Status: Open - Site Assessment
Status Date: 10/13/1995

Global Id: T0607100862
Status: Open - Site Assessment
Status Date: 10/31/1995

Global Id: T0607100862

FOUR CORNERS CHEVRON (Continued) **S105024314**

Status: Open - Verification Monitoring
Status Date: 02/13/2004

Global Id: T0607100862
Status: Open - Eligible for Closure
Status Date: 03/20/2017

Global Id: T0607100862
Status: Completed - Case Closed
Status Date: 01/22/2019

CORTESE:
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0607100862
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

EMI:
Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Year: 2014
County Code: 36
Air Basin: MD
Facility ID: 99000651
Air District Name: MOJ
SIC Code: 5541
Air District Name: MOJAVE DESERT AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.189998934
Reactive Organic Gases Tons/Yr: 0.189998934
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0

FOUR CORNERS CHEVRON (Continued) **S105024314**

Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Year: 2015
County Code: 36
Air Basin: MD
Facility ID: 99000651
Air District Name: MOJ
SIC Code: 5541
Air District Name: MOJAVE DESERT AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.179571678
Reactive Organic Gases Tons/Yr: 0.179571678
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Year: 2016
County Code: 36
Air Basin: MD
Facility ID: 99000651
Air District Name: MOJ
SIC Code: 5541
Air District Name: MOJAVE DESERT AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.179571678
Reactive Organic Gases Tons/Yr: 0.179571678
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: FOUR CORNERS CHEVRON
Address: 2852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Year: 2017
County Code: 36
Air Basin: MD
Facility ID: 99000651
Air District Name: MOJ
SIC Code: 5541
Air District Name: MOJAVE DESERT AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.20666646
Reactive Organic Gases Tons/Yr: 0.20666646

FOUR CORNERS CHEVRON (Continued) **S105024314**

Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	FOUR CORNERS CHEVRON
Address:	2852 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2018
County Code:	36
Air Basin:	MD
Facility ID:	651
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.17
Reactive Organic Gases Tons/Yr:	0.17
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

Name:	FOUR CORNERS CHEVRON
Address:	2852 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2019
County Code:	36
Air Basin:	MD
Facility ID:	651
Air District Name:	MOJ
SIC Code:	5541
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.122
Reactive Organic Gases Tons/Yr:	0.122
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

HIST CORTESE:

edr_fname:	FOUR CORNERS CHEVRON
edr_fadd1:	5852 58
City,State,Zip:	KRAMER JUNCTION, CA 93516
Region:	CORTESE
Facility County Code:	36
Reg By:	LTNKA
Reg Id:	6B3600681T

San Bern. Co. Permit:

FOUR CORNERS CHEVRON (Continued) **S105024314**

Name: FOUR CORNERS CHEVRON
Address: 5852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003323
Owner: CAILLIER, KAREN D.
Permit Number: PT0012417
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS CHEVRON
Address: 5852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003323
Owner: CAILLIER, KAREN D.
Permit Number: PT0012418
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS CHEVRON
Address: 5852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003323
Owner: CAILLIER, KAREN D.
Permit Number: PT0012416
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS CHEVRON
Address: 5852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003323
Owner: CAILLIER, KAREN D.
Permit Number: PT0001921
Permit Category: HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS CHEVRON
Address: 5852 HWY 58
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003323
Owner: CAILLIER, KAREN D.
Permit Number: PT0025725
Permit Category: WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status: ACTIVE
Expiration Date: 10/31/2021

357
South
1/4-1/2
0.433 mi.
2287 ft.

FRANK'S EXXON #4
14800 WEST FRONTAGE ROAD
MANTECA, CA 95336

FINDS **1006829843**
N/A

Actual:
2290 ft.

Focus Map:
49

FINDS:
Registry ID: 110013902465

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
HAZARDOUS AIR POLLUTANT MAJOR
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AR358
WSW
1/4-1/2
0.433 mi.
2288 ft.

CALIFORNIA CITY HIGH SCHOOL
MENDIBURU ROAD/RUSCHE BOULEVARD
CALIFORNIA CITY, CA 93505

Site 1 of 2 in cluster AR

ENVIROSTOR **S118756483**
SCH **N/A**

Actual:
2369 ft.

Focus Map:
20

ENVIROSTOR:

Name:	CALIFORNIA CITY HIGH SCHOOL
Address:	MENDIBURU ROAD/RUSCHE BOULEVARD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Facility ID:	15650002
Status:	No Action Required
Status Date:	07/12/2005
Site Code:	104371
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	65
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Northern California Schools & Santa Susana
Assembly:	36
Senate:	16
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	35.1394
Longitude:	-117.9747
APN:	NONE SPECIFIED
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	CALIFORNIA CITY HIGH SCHOOL
Alias Type:	Alternate Name
Alias Name:	MOJAVE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	MOJAVE USD-CALIFORNIA CITY HIGH SCHOOL
Alias Type:	Alternate Name

CALIFORNIA CITY HIGH SCHOOL (Continued) **S118756483**

Alias Name: 104371
Alias Type: Project Code (Site Code)
Alias Name: 15650002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/13/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/12/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/08/2003
Comments: DTSC issued a no further action determination for the Phase I.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/11/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/15/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/17/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/12/2003

CALIFORNIA CITY HIGH SCHOOL (Continued) **S118756483**

Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: CALIFORNIA CITY HIGH SCHOOL
Address: MENDIBURU ROAD/RUSCHE BOULEVARD
City,State,Zip: CALIFORNIA CITY, CA 93505
Facility ID: 15650002
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 65
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Northern California Schools & Santa Susana
Site Code: 104371
Assembly: 36
Senate: 16
Special Program Status: Not reported
Status: No Action Required
Status Date: 07/12/2005
Restricted Use: NO
Funding: School District
Latitude: 35.1394
Longitude: -117.9747
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: CALIFORNIA CITY HIGH SCHOOL
Alias Type: Alternate Name
Alias Name: MOJAVE UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: MOJAVE USD-CALIFORNIA CITY HIGH SCHOOL
Alias Type: Alternate Name
Alias Name: 104371
Alias Type: Project Code (Site Code)
Alias Name: 15650002
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE

CALIFORNIA CITY HIGH SCHOOL (Continued) **S118756483**

Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/13/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/12/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 12/08/2003
Comments: DTSC issued a no further action determination for the Phase I.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/11/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 03/15/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 12/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 06/17/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/12/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported

CALIFORNIA CITY HIGH SCHOOL (Continued) **S118756483**

Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

AR359 **CALIFORNIA CITY HIGH** **CERS** **S123513923**
WSW **MENDIBURU ROAD/RUSCHE BOULEVARD** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA 93505**
0.433 mi.
2288 ft. **Site 2 of 2 in cluster AR**

Actual:
2369 ft.

Focus Map:
20

CERS:
Name: CALIFORNIA CITY HIGH
Address: MENDIBURU ROAD/RUSCHE BOULEVARD
City,State,Zip: CALIFORNIA CITY, CA 93505
Site ID: 370911
CERS ID: 15650002
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: SHAHIR HADDAD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

AS360 **BNSF RAILWAY COMPANY - EDWARDS** **FINDS** **1023335805**
West **12591 MUROC RD** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.434 mi.
2294 ft. **Site 1 of 2 in cluster AS**

Actual:
2341 ft.

Focus Map:
48

FINDS:
Registry ID: 110066308686

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AS361 **BNSF RAILWAY COMPANY - EDWARDS** **CUPA Listings** **S118926358**
West **12591 MUROC RD** **HAZNET** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523** **CERS**
0.434 mi. **HWTS**
2294 ft. **Site 2 of 2 in cluster AS**

Actual:
2341 ft.

Focus Map:
48

KERN CO CUPA:

Facility ID:	FA0005940
CERS ID:	10236436
Name:	BNSF RAILWAY COMPANY - EDWARDS
Address:	12591 MUROC RD
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	11/30/2013
Current Inspection Date:	1/1/2024
Employee:	CUPA 3
Mailing Address:	740 E. Carnegie Dr.
Mailing Address 2:	Not reported
Mailing City:	San Bernardino
Mailing State:	CA
Mailing Zip:	92408

HAZNET:

Name:	BNSF RAILWAY CO
Address:	12591 MUROC RD
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 935233540
Contact:	EDDIE PHILLIPS
Telephone:	9093864082
Mailing Name:	Not reported
Mailing Address:	740 CARNEGIE DR
Year:	2015
Gepaid:	CAC002826002
TSD EPA ID:	CAD028409019
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0375
Year:	2015
Gepaid:	CAC002826002
TSD EPA ID:	CAD028409019
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2625
Year:	2015
Gepaid:	CAC002826002
TSD EPA ID:	CAD028409019
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075

BNSF RAILWAY COMPANY - EDWARDS (Continued) **S118926358**

Additional Info:

Year:	2015
Gen EPA ID:	CAC002826002
Shipment Date:	20150814
Creation Date:	11/4/2015 22:15:23
Receipt Date:	20150819
Manifest ID:	013482111JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150814
Creation Date:	11/4/2015 22:15:23
Receipt Date:	20150819
Manifest ID:	013482111JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150814
Creation Date:	11/4/2015 22:15:23
Receipt Date:	20150819

BNSF RAILWAY COMPANY - EDWARDS (Continued) **S118926358**

Manifest ID:	013482117JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150814
Creation Date:	11/4/2015 22:15:23
Receipt Date:	20150819
Manifest ID:	013482117JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D018
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150814
Creation Date:	11/4/2015 22:15:23
Receipt Date:	20150819
Manifest ID:	013482111JJK
Trans EPA ID:	CAR000172460
Trans Name:	ENVIRONMENTAL LOGISTICS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC

BNSF RAILWAY COMPANY - EDWARDS (Continued) **S118926358**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	BNSF RAILWAY COMPANY - EDWARDS
Address:	12591 MUROC RD
City,State,Zip:	NORTH EDWARDS, CA 93523
Site ID:	388055
CERS ID:	10236436
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	388055
Site Name:	BNSF RAILWAY COMPANY - EDWARDS
Violation Date:	03-09-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 03/17/2015. The hazardous materials inventory submitted in the California Environmental Reporting System (CERS) is not accurate. Please add the following items: 2750 cu. ft. of Oxygen and 100 lbs. of Propane. Revise the inventory and submit in CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-09-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-09-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	The facility no longer stores hazardous waste at the site.
Eval Division:	Kern County Env Health Services Department

BNSF RAILWAY COMPANY - EDWARDS (Continued) **S118926358**

Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-02-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 388055
Site Name: BNSF RAILWAY COMPANY - EDWARDS
Site Address: 12591 MUROC RD
Site City: NORTH EDWARDS
Site Zip: 93523
Enf Action Date: 03-09-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Environmental Contact
Entity Name: EDWARD PHILLIPS
Entity Title: Not reported
Affiliation Address: 740 E. Carnegie Dr.
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92408
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 740 E. Carnegie Dr.
Affiliation City: San Bernardino
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92408
Affiliation Phone: Not reported

BNSF RAILWAY COMPANY - EDWARDS (Continued) **S118926358**

Affiliation Type Desc:	Document Preparer
Entity Name:	Eslam Abdelbasset
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	BNSF Railway Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(909) 386-4082

Affiliation Type Desc:	Parent Corporation
Entity Name:	BNSF Railway Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Identification Signer
Entity Name:	Edward Phillips
Entity Title:	Senior Manager Environmental Operations
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	BNSF Railway Company
Entity Title:	Not reported
Affiliation Address:	740 E. Carnegie Dr.
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92408
Affiliation Phone:	(909) 386-4082

HWTS:

Name:	BNSF RAILWAY CO
Address:	12591 MUROC RD
Address 2:	Not reported
City,State,Zip:	NORTH EDWARDS, CA 935233540
EPA ID:	CAC002826002

BNSF RAILWAY COMPANY - EDWARDS (Continued) **S118926358**

Inactive Date:	11/13/2015
Create Date:	08/13/2015
Last Act Date:	08/18/2016
Mailing Name:	Not reported
Mailing Address:	740 E CARNEGIE DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	SAN BERNARDINO, CA 924083571
Owner Name:	BNSF RAILWAY CO
Owner Address:	740 E CARNEGIE DR
Owner Address 2:	Not reported
Owner City,State,Zip:	SAN BERNARDINO, CA 924083571
Contact Name:	EVELYN WATSON
Contact Address:	740 E CARNEGIE DR
Contact Address 2:	Not reported
City,State,Zip:	SAN BERNARDINO, CA 924083571

AN362 **EDWARDS AIR FORCE BASE - 5 - AOC 201** **MCS** **S110167533**
SE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.439 mi.
2320 ft. **Site 3 of 3 in cluster AN**

Actual:
2312 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 201
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100102700
Latitude:	34.99365
Longitude:	-117.8776
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 444
LOC Case Number:	100052 -- 444
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100102700
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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363 **AIRWAY TRANSPORT** **HWTS** **S124779446**
West **21030 WINESAP CT** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA 90000**
0.444 mi.
2342 ft.

Actual:
2342 ft.

Focus Map:
20

HWTS:

Name:	AIRWAY TRANSPORT
Address:	21030 WINESAP CT
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 900000000

AIRWAY TRANSPORT (Continued) **S124779446**

EPA ID:	CAL000057102
Inactive Date:	06/30/1996
Create Date:	09/01/1994
Last Act Date:	01/22/1997
Mailing Name:	Not reported
Mailing Address:	21030 WINESAP CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 900000000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	DEACT PER VQ96
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

364
South
1/4-1/2
0.445 mi.
2348 ft.

13549 FLINT ST
NORTH EDWARDS, CA 93523

ERNS **95317523**
N/A

Actual:
2311 ft.

Focus Map:
49

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

365
ESE
1/4-1/2
0.446 mi.
2354 ft.

USNASA JET PROPULSION LABORATORY
NORTH BASE RD EDWARDS AFB
EDWARDS, CA 93523

FINDS **1010429136**
ECHO **N/A**

Actual:
2309 ft.

Focus Map:
48

FINDS:
Registry ID: 110032745956

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1010429136
Registry ID:	110032745956
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110032745956
Name:	USNASA JET PROPULSION LABORATORY

USNASA JET PROPULSION LABORATORY (Continued) **1010429136**

Address: NORTH BASE RD EDWARDS AFB
City,State,Zip: EDWARDS, CA 93523

AT366 **CHMIRS** **S100278176**
West **192 CAMPFIRE DRIVE** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA 93505**
0.447 mi.
2362 ft. **Site 1 of 4 in cluster AT**

Actual:
2342 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	192 CAMPFIRE DRIVE
City,State,Zip:	CALIFORNIA CITY, CA 93505
OES Incident Number:	119181
OES notification:	Not reported
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**19-SEP-91**
Property Use:	400
Agency Id Number:	15065
Agency Incident Number:	91-0947
Time Notified:	2045
Time Completed:	1700
Surrounding Area:	400
Estimated Temperature:	102
Property Management:	P
More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	0
Responding Agency Personel # Of Injuries:	0
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	0
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	ROBERT PARIS 53-105
Report Date:	19-SEP-91
Facility Telephone:	619 373-4841
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	17-SEP-91
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported

(Continued) **S100278176**

Site Type:	Not reported
E Date:	03-AUG-92
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	N
Description:	Not reported

AP367 **EDWARDS AIR FORCE BASE - 5 - AOC 202** **MCS** **S110168342**
SE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.448 mi.
2365 ft. **Site 3 of 4 in cluster AP**

Actual:
2310 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 202
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100115200
Latitude:	34.99465
Longitude:	-117.8761
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 319
LOC Case Number:	100052 -- 319
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100115200
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

368 EDWARDS AIR FORCE BASE - 5 - SITE 285 **MCS** **S110167401**
SE **N/A**
1/4-1/2 EDWARDS AFB, CA 93524
0.454 mi.
2395 ft.

Actual: MCS:
2311 ft.

Name:	EDWARDS AIR FORCE BASE - 5 - SITE 285
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100147200
Latitude:	34.99391
Longitude:	-117.8769
Case Type:	Military Cleanup Site
Status:	Open - Assessment & Interim Remedial Action
Status Date:	07/08/2013
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 8
LOC Case Number:	100052 -- 8
File Location:	Regional Board
Potential Media Affect:	Not reported
EDR Link ID:	DOD100147200
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Focus Map:
48

Click here to access the California GeoTracker records for this facility:

AP369 EDWARDS AIR FORCE BASE - 5 - AOC 284 **MCS** **S110167620**
SE **N/A**
1/4-1/2 EDWARDS AFB, CA 93524
0.457 mi.
2412 ft. **Site 4 of 4 in cluster AP**

Actual: MCS:
2311 ft.

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 284
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100109000
Latitude:	34.99416
Longitude:	-117.8765
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 381
LOC Case Number:	100052 -- 381
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100109000
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Focus Map:
48

Click here to access the California GeoTracker records for this facility:

AU370 **CHMIRS** **S113999472**
North **11933 NANCY AVE** **N/A**
1/4-1/2 **BORON, CA 93516**
0.466 mi.
2459 ft. **Site 1 of 4 in cluster AU**

Actual:
2465 ft.

Focus Map:
52

CHMIRS:

Name:	Not reported
Address:	11933 NANCY AVE
City,State,Zip:	BORON, CA 93516
OES Incident Number:	13-2800
OES notification:	05/09/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1500
Year:	2013
Agency:	Citizen
Incident Date:	5/9/2013
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Chemical - Unknown Type
Quantity Released:	Unk

(Continued) **S113999472**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Heavy metallic chemical smell in the air, unknown cause, unknown source, RP travelled to Lancaster today and could smell it in the air there too, material is in the atmosphere and not dissipating.
	Not reported

AU371 **CHMIRS** **S125738096**
North **11933 NANCY AVE** **N/A**
1/4-1/2 **BORON, CA**
0.466 mi.
2459 ft. **Site 2 of 4 in cluster AU**

Actual:
2465 ft.

Focus Map:
52

CHMIRS:

Name:	Not reported
Address:	11933 NANCY AVE
City,State,Zip:	BORON, CA
OES Incident Number:	19-4580
OES notification:	07/17/2019
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported

(Continued) **S125738096**

Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Lbs.
Other:	Not reported
Date/Time:	200
Year:	2019
Agency:	NRC
Incident Date:	07/16/2019
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Unknown if stopped,Unknown if contained
Site Type:	Not reported
E Date:	Not reported
Substance:	Chemical Odor - Unknown Type
Quantity Released:	Unk
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	lPer NRC report: Caller is reporting an unknown chemical smell in his house and it is burning his eyes.

AU372 **CHMIRS** **S116779420**
North **11933 NANCY AVE** **N/A**
1/4-1/2 **BORON, CA 93516**
0.466 mi.
2459 ft. **Site 3 of 4 in cluster AU**

Actual:
2465 ft.

Focus Map:
52

CHMIRS:

Name:	Not reported
Address:	11933 NANCY AVE
City,State,Zip:	BORON, CA 93516
OES Incident Number:	4-2948
OES notification:	05/24/2014

(Continued) **S116779420**

OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	No
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Unknown
Other:	Not reported
Date/Time:	1
Year:	2014
Agency:	Citizen
Incident Date:	5/21/2014
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Unknown
Site Type:	Not reported
E Date:	Not reported
Substance:	Unknown Odor
Quantity Released:	Unknown
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No

(Continued) **S116779420**

#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	Unknown
Fatals:	No
Comments:	Not reported
Description:	Caller states that there is a soapy metallic smell in the air that burns the eyes. Caller states he asked various people if they smelled the odor and everyone he spoke to also smelled it. Caller states that the smell is in about a 75 mile radius of his residence. Caller states this seems to occur after a rain or a large fire. Caller states the odor seems get closer to the ground surface in the evenings. Caller states this started on Wednesday. Caller states this is a reoccurring problem. Caller made the same complaint May 9th 2013 Spill report 13-2800 and again 22 July 2013 Spill Update 13-2800.

AU373 **ERNS** **2019252319**
North **11933 NANCY AVE** **N/A**
1/4-1/2 **BORON, CA**
0.466 mi.
2459 ft. **Site 4 of 4 in cluster AU**

Actual:
2465 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
52

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374 **EDWARDS AIR FORCE BASE - 5 - AOC 424** **MCS** **S110167741**
ESE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.471 mi.
2487 ft.

Actual:
2308 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 424
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100142400
Latitude:	34.99693
Longitude:	-117.8735
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 56

EDWARDS AIR FORCE BASE - 5 - AOC 424 (Continued) **S110167741**

LOC Case Number:	100052 -- 56
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100142400
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AT375 **CHMIRS** **S110980741**
West **187 CAMPFIRE DR.** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA**
0.471 mi.
2488 ft. **Site 2 of 4 in cluster AT**

Actual:
2344 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	187 CAMPFIRE DR.
City,State,Zip:	CALIFORNIA CITY, CA
OES Incident Number:	10-4513
OES notification:	07/28/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	Unknown
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Lbs.
Other:	Not reported
Date/Time:	1934

(Continued) **S110980741**

Year:	2010
Agency:	NRC
Incident Date:	7/27/2010
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Natural gas
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	NRC report: Caller is reporting that natural gas released from a meter set due to unknown causes. The caller stated that he believes when a carport awning fell on the set it ignited the release. A structure fire has also ignited and 2 mobile homes burned down possibly exceeding the $50,000 damages threshold. There has been some evacuations at a mobile home park. (head count is unknown). The gas was contained at 2235 hours.

AT376 **CHMIRS** **S110980742**
West **187 CAMP FIRE DR** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA**
0.471 mi.
2488 ft. **Site 3 of 4 in cluster AT**

Actual: CHMIRS:
2344 ft.

Name:	Not reported
Address:	187 CAMP FIRE DR
City,State,Zip:	CALIFORNIA CITY, CA
OES Incident Number:	10-4514
OES notification:	07/28/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported

Focus Map:
20

(Continued) **S110980742**

More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	Unrecoverable
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Cu.Ft.
Other:	Not reported
Date/Time:	1935
Year:	2010
Agency:	San Diego Gas And Electric
Incident Date:	7/27/2010
Admin Agency:	California City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Natural Gas
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Release due to a fire

AT377 **ERNS** **2010949111**
West **187 CAMPFIRE DR.** **N/A**
1/4-1/2 **CALIFORNIA CITY, CA**
0.471 mi.
2488 ft. **Site 4 of 4 in cluster AT**

Actual:
2344 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
20

AV378 **FOUR CORNERS UNION** **HWTS** **S124918093**
East **6158 HWY 58 KRAMER JCT** **N/A**
1/4-1/2 **KRAMER CORNER, CA 93516**
0.471 mi.
2489 ft. **Site 1 of 13 in cluster AV**

Actual:
2473 ft.

Focus Map:
55

HWTS:

Name:	FOUR CORNERS UNION
Address:	6158 HWY 58 KRAMER JCT
Address 2:	Not reported
City,State,Zip:	KRAMER CORNER, CA 93516
EPA ID:	CAL000430407
Inactive Date:	06/30/2020
Create Date:	09/01/2017
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	6158 HWY 58 KRAMER JCT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	KRAMER CORNER, CA 93516
Owner Name:	KAREN CAILLIER
Owner Address:	25831 CHERRY HILL
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93518
Contact Name:	KAREN CAILLIER
Contact Address:	25831 CHERRY HILL
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

NAICS:

EPA ID:	CAL000430407
Create Date:	2017-09-01 13:24:12.753
NAICS Code:	44719
NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2017-09-01 13:24:12.74700
Inactive Date:	2020-06-30 00:00:00
Facility Name:	FOUR CORNERS UNION
Facility Address:	6158 HWY 58 KRAMER JCT
Facility Address 2:	Not reported
Facility City:	KRAMER CORNER
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

AV379 **KAREN CAILLIER** **HWTS** **S124634940**
East **6158 HWY 58** **N/A**
1/4-1/2 **KRAMER CORNER, CA 93516**
0.471 mi.
2489 ft. **Site 2 of 13 in cluster AV**

Actual:
2473 ft.

Focus Map:
55

HWTS:

Name:	KAREN CAILLIER
Address:	6158 HWY 58
Address 2:	Not reported
City,State,Zip:	KRAMER CORNER, CA 93516
EPA ID:	CAC002812504
Inactive Date:	07/28/2015
Create Date:	04/28/2015
Last Act Date:	07/29/2015
Mailing Name:	Not reported
Mailing Address:	25831 CHERRYHILL DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935161202
Owner Name:	KAREN CAILLIER
Owner Address:	25831 CHERRYHILL DR
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935161202
Contact Name:	KAREN CAILLIER
Contact Address:	25831 CHERRYHILL DR
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935161202

AV380 **FOUR CORNERS UNION** **FINDS** **1024641959**
East **6158 HWY 58 KRAMER JCT** **ECHO** **N/A**
1/4-1/2 **KRAMER CORNER, CA 93516**
0.471 mi.
2489 ft. **Site 3 of 13 in cluster AV**

Actual:
2473 ft.

Focus Map:
55

FINDS:
Registry ID: 110070430346

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024641959
Registry ID:	110070430346
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070430346
Name:	FOUR CORNERS UNION
Address:	6158 HWY 58 KRAMER JCT
City,State,Zip:	KRAMER CORNER, CA 93516

AV381 **FOUR CORNERS UNION** **RCRA NonGen / NLR** **1024861908**
East **6158 HWY 58 KRAMER JCT** **CAL000430407**
1/4-1/2 **KRAMER CORNER, CA 93516**
0.471 mi.
2489 ft. **Site 4 of 13 in cluster AV**

Actual:
2473 ft.

Focus Map:
55

RCRA NonGen / NLR:

Date Form Received by Agency:		20170901
Handler Name:	FOUR CORNERS UNION	
Handler Address:		6158 HWY 58 KRAMER JCT
Handler City,State,Zip:		KRAMER CORNER, CA 93516
EPA ID:		CAL000430407
Contact Name:		KAREN CAILLIER
Contact Address:		25831 CHERRY HILL
Contact City,State,Zip:		BORON, CA 93516
Contact Telephone:		760-762-6692
Contact Fax:		760-762-6378
Contact Email:		4CS@WILDBLUE.NET
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		6158 HWY 58 KRAMER JCT
Mailing City,State,Zip:		KRAMER CORNER, CA 93516
Owner Name:		KAREN CAILLIER
Owner Type:		Other
Operator Name:		KAREN CAILLIER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

FOUR CORNERS UNION (Continued) **1024861908**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180907
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	KAREN CAILLIER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	25831 CHERRY HILL
Owner/Operator City,State,Zip:	BORON, CA 93518
Owner/Operator Telephone:	760-762-6692
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	KAREN CAILLIER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	25831 CHERRY HILL
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-6692
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

FOUR CORNERS UNION (Continued) **1024861908**

Historic Generators:
Receive Date: 20170901
Handler Name: FOUR CORNERS UNION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 44719
NAICS Description: OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AV382 **FOUR CORNERS UNION** **UST** **U004263732**
East **6158 HWY 58 B** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516**
0.471 mi.
2489 ft. **Site 5 of 13 in cluster AV**

Actual:
2473 ft.

Focus Map:
55

UST:
Name: FOUR CORNERS UNION
Address: 6158 HWY 58 B
City,State,Zip: KRAMER JUNCTION, CA 93516
Facility ID: FA0003325
Permitting Agency: San Bernardino County Fire Department
Latitude: 34.99244
Longitude: -117.541151

AV383 **FOUR CORNERS UNION** **San Bern. Co. Permit** **S122499341**
East **6158 HWY 58 B B** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516**
0.471 mi.
2489 ft. **Site 6 of 13 in cluster AV**

Actual:
2473 ft.

Focus Map:
55

San Bern. Co. Permit:
Name: FOUR CORNERS UNION
Address: 6158 HWY 58 B B
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003325
Owner: CAILLIER, KAREN D.
Permit Number: PT0026435

FOUR CORNERS UNION (Continued) **S122499341**

Permit Category: WASTE INCIDENTAL UST OPERATION ONLY -PER YEAR
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS UNION
Address: 6158 HWY 58 B B
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003325
Owner: CAILLIER, KAREN D.
Permit Number: PT0001905
Permit Category: HAZMAT HANDLER, UST ONLY - PER YEAR
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS UNION
Address: 6158 HWY 58 B B
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003325
Owner: CAILLIER, KAREN D.
Permit Number: PT0012400
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS UNION
Address: 6158 HWY 58 B B
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003325
Owner: CAILLIER, KAREN D.
Permit Number: PT0012401
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS UNION
Address: 6158 HWY 58 B B
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003325
Owner: CAILLIER, KAREN D.
Permit Number: PT0012402
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE
Expiration Date: 10/31/2021

Name: FOUR CORNERS UNION
Address: 6158 HWY 58 B B
City,State,Zip: KRAMER JUNCTION, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0003325
Owner: CAILLIER, KAREN D.
Permit Number: PT0012403
Permit Category: REGULAR UST ANNUAL INSPECTION (PER TANK)
Facility Status: ACTIVE

FOUR CORNERS UNION (Continued) **S122499341**

Expiration Date: 10/31/2021

AV384 **WAY STATION MINI MART** **EDR Hist Auto** **1020279348**
East **6158 E STATE HIGHWAY 58** **N/A**
1/4-1/2 **BORON, CA 93516**
0.471 mi.
2489 ft. **Site 7 of 13 in cluster AV**

Actual: EDR Hist Auto
2473 ft.

Focus Map:
55

Year:	Name:	Type:
2006	WAY STATION MINI MART	Grocery Stores
2006	FOUR CORNERS UNION STATION	Gasoline Service Stations
2007	WAY STATION MINI MART	Grocery Stores
2007	FOUR CORNERS UNION STATION	Gasoline Service Stations
2008	FOUR CORNERS UNION STATION	Gasoline Service Stations
2008	WAY STATION MINI MART	Grocery Stores
2009	FOUR CORNERS UNION STATION	Gasoline Service Stations
2009	WAY STATION MINI MART	Grocery Stores
2010	WAY STATION MINI MART	Grocery Stores
2010	FOUR CORNERS UNION STATION	Gasoline Service Stations
2011	WAY STATION MINI MART	Grocery Stores
2011	FOUR CORNERS UNION STATION	Gasoline Service Stations
2012	WAY STATION MINI MART	Grocery Stores
2012	FOUR CORNERS UNION STATION	Gasoline Service Stations
2013	4 CORNER 76	Gasoline Service Stations
2013	WAY STATION MINI MART	Grocery Stores
2013	FOUR CORNERS UNION STATION	Gasoline Service Stations
2014	FOUR CORNERS UNION STATION	Gasoline Service Stations
2014	4 CORNER 76	Gasoline Service Stations
2014	WAY STATION MINI MART	Grocery Stores

AV385 **FOUR CORNERS UNION** **CERS HAZ WASTE** **S123508558**
East **6158 HWY 58 B** **CERS TANKS** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516** **CERS**
0.471 mi.
2489 ft. **Site 8 of 13 in cluster AV**

Actual: CERS HAZ WASTE:
2473 ft.

Name:	FOUR CORNERS UNION
Address:	6158 HWY 58 B
City,State,Zip:	KRAMER JUNCTION, CA 93516
Site ID:	31356
CERS ID:	10039468
CERS Description:	Hazardous Waste Generator

Focus Map:
55

CERS TANKS:

Name:	FOUR CORNERS UNION
Address:	6158 HWY 58 B
City,State,Zip:	KRAMER JUNCTION, CA 93516
Site ID:	31356
CERS ID:	10039468
CERS Description:	Underground Storage Tank

CERS:

FOUR CORNERS UNION (Continued) **S123508558**

Name: FOUR CORNERS UNION
Address: 6158 HWY 58 B
City,State,Zip: KRAMER JUNCTION, CA 93516
Site ID: 31356
CERS ID: 10039468
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-16-2014
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 04/22/2015. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED UST DOCUMENTATION TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-15-2015
Citation: HSC 6.5 Multiple - California Health and Safety Code, Chapter 6.5, Section(s) Multiple
Violation Description: Haz Waste Generator Program - Administration/Documentation - General
Violation Notes: Returned to compliance on 12/11/2015. Failure to obtain an EPA ID Number (CCR 66262.12(a)) CERS INVENTORY DID NOT REFLECT HAZARDOUS WASTE INVENTORY. NO EPA ID NUMBER OBSERVED. 4/15/16 CERS UPDATED AND EPA ID NUMBER ADDED PS COMPLIANCE REQUIREMENT: UPDATE CERS INVENTORY TO REFLECT LISTED HAZARDOUS WASTE INVENTORY. UPDATE BUSINESS ACTIVITIES ON CERS TO REFLECT YES TO HAZARDOUS WASTE GENERATION QUESTION AND ADD EPA ID NUMBER. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS.
Violation Division: San Bernardino County Fire Department
Violation Program: HW
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 08-27-2018
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 09/21/2018. OBSERVATION: The UST information submitted via CERS is incorrect. CORRECTIVE ACTION: In CERS, please update the following tank information within 30 days: For all your tanks, update the tank installation date to be 05/17/1990. For tank 1, in the continuous monitoring of secondary containment, say G yesG for G leak alarm triggers automatic pump shut downG . For your site monitoring plan, please add piping layout. For all tanks, remove the date in existing UST discovered.

FOUR CORNERS UNION (Continued) **S123508558**

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-16-2014
Citation: HSC 6.7 25286(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25286(a)
Violation Description: Failure to submit an complete and accurate application for a permit to operate an underground storage tank, or for renewal of the permit.
Violation Notes: Returned to compliance on 04/22/2015. OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED UST DOCUMENTATION TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-16-2014
Citation: HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description: Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes: Returned to compliance on 04/22/2015. OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED UST DOCUMENTATION TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-13-2016
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes: Returned to compliance on 12/16/2016. COMPLIANCE ACTIVITY 12/16/2016- MADE A SITE VISIT AND KAREN PROVIDED A SIGNED DOCUMENT ADDRESSING THE VIOLATION. SHE INFORMED ME THAT THEY HAD REMOVED THE 2015 REPORTS, DUE

FOUR CORNERS UNION (Continued) **S123508558**

TO CHANGING OUT FOLDER EVERY YEAR AND THINKING THAT THE REPORTS FROM 2015 WERE NO LONGER NEEDED. SHE WAS INFORMED TO KEEP THE PREVIOUS YEARS REPORTS AVAILABLE FOR REVIEW. EGRIMES. OBSERVATIONS: THE DESIGNATED OPERATOR REPORTS FROM 2015 WERE NOT AVAILABLE FOR REVIEW IN THE UST BINDER. COMPLIANCE REQUIREMENTS: OBTAIN COPIES OF THE 2015 REPORTS AND MAIL THEM TO OUR DEPARTMENT. ENSURE THEY ARE MARKED ATTENTION EMILY GRIMES.

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-16-2014
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of sensor to be located in the proper position/location.
Violation Notes: Returned to compliance on 09/16/2014. OBSERVATION: SENSORS WERE NOT POSITIONED IN THE LOWEST POINT IN THE DIESEL TURBINE SUMP AND IN THE DIESEL FILL SUMP. COMPLIANCE MET ON SITE: TECHNICIAN POSITION SENSORS IN LOWEST POSINT IN SUMPS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 08-22-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 09/21/2018. OBSERVATION: THE TANK INFORMATION SUBMITTED IN CERS REQUIRES CORRECTION PRIOR TO BEING ACCEPTED INTO THE SYSTEM. 1.) THE CURRENT CERS SUBMISSION IDENTIFIES TANK INSTALL DATES OF 01/01/89. OUR DEPARTMENT RECORDS INDICATE THAT ALL TANKS WERE INSTALLED ON 05/17/90. 2) THE EPA ID NUMBER (CAC00281254) INDENTIFIED IN CERS IS TEMPORARY AND INACTIVE NUMBER. OBTAIN A PERMANENT EPA ID NUMBER BY COMPLETING FORM 1358 AND SUBMIT TO DTSC. 3) THE LAST UST ELEMENT WAS SUBMITTED IN CERS ON 09/13/16. AN UPDATE IS REQUIRED BY MARCH 1ST ANNUALLY. SUBMIT 2017 UST ELEMENT WITHIN 30 DAYS. 4) THE BOE NUMBER (44-020794) LISTED IN CERS IS CLOSED/INVALID PER THE CALIFORNIA STATE BOARD OF EQUILIZATION. OBTAIN A VALID BOE NUMBER FROM THE STATE BOARD OF EQUILIZATION. THE CORRECT BOE NUMBER WASA VERIFIED AS 44-052375. COMPLIANCE REQUIREMENT: WITHIN 30 DAYS, SUBMIT THE ABOVE NOTED CORRECTIONS TO CERS. UPON COMPLETION, SIGN/RETURN THE CERTIFICATE OF COMPLIANCE TO USTCOMPLIANCE@SBCFIRE.ORG TO [Truncated]
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-15-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291

FOUR CORNERS UNION (Continued) **S123508558**

Violation Description:	Failure to maintain under-dispenser containment, sumps, and/or other secondary containment in good condition and/or free of debris/liquid.
Violation Notes:	Returned to compliance on 09/15/2015. OBSERVED LIQUID IN DIESEL FILL SUMP. COMPLIANCE REQUIREMENT: LIQUID WAS REMOVED DURING INSPECTION. VIOLATION WAS CORRECTED.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	31356
Site Name:	FOUR CORNERS UNION
Violation Date:	09-15-2015
Citation:	HSC 6.75 25299.30-25299.34 - California Health and Safety Code, Chapter 6.75, Section(s) 25299.30-25299.34
Violation Description:	Failure to submit and maintain complete and current Certification of Financial Responsibility or other mechanism of financial assurance.
Violation Notes:	Returned to compliance on 11/23/2015. OBSERVED EXPIRED CERTIFICATE OF FINANCIAL RESPONSIBILITY (CFR) IN CERS. COMPLIANCE REQUIREMENT: IMMEDIATELY UPLOAD CURRENT CFR TO CERS WEBSITE. VIOLATION WAS LISTED ON 9/16/15 INSPECTION REPORT. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN SEVEN (7) DAYS. CFR UPDATED ON CERS PS
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	31356
Site Name:	FOUR CORNERS UNION
Violation Date:	08-27-2020
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 08/27/2020. OBSERVATION: HAZARDOUS WASTE DRUMS WERE NOT PROPERLY LABELED. COMPLIANCE MET ON SITE: DRUMS WERE PROPERLY LABELED DURING THE INSPECTION.
Violation Division:	San Bernardino County Fire Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	31356
Site Name:	FOUR CORNERS UNION
Violation Date:	09-16-2014
Citation:	Un-Specified
Violation Description:	UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes:	Returned to compliance on 04/22/2015. Failure to have a written monitoring program with monitoring procedures and response plan. (CCR 2632(d)) OBSERVATION: FACILITY HAS NOT SUBMITTED THE REQUIRED UST DOCUMENTATION TO THE CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS) COMPLIANCE REQUIREMENT: SUBMIT UST DOCUMENTATION TO CERS WITHIN 30 DAYS. SIGN DATE AND SUBMIT THE CERTIFICATE OF COMPLIANCE TO THIS DEPARTMENT INDICATING THE DATE OF CERS SUBMITTAL.
Violation Division:	San Bernardino County Fire Department
Violation Program:	UST

FOUR CORNERS UNION (Continued) **S123508558**

Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 08-19-2019
Citation: HSC 6.7 25284, 25286 - California Health and Safety Code, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: Returned to compliance on 10/30/2019. OBSERVATION: **AS OF OCT 2018, NEW DO FORMS WERE REQUIRED TO UPLOADED- 1) THE NEW DESIGNATED UST IDENTIFICATION FORMS & 2) THE STATEMENT OF UNDERSTANDING COMPLIANCE FORMS. COMPLIANCE REQUIREMENT: UPDATE CERS WITH CURRENT FORMS.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-15-2015
Citation: Un-Specified
Violation Description: UST Program - Administration/Documentation - For use of Local Ordinance only
Violation Notes: Returned to compliance on 11/23/2015. Failure to submit a signed Designated UST Operator Statement (23 CCR 2715(a)) OBSERVED EXPIRED DESIGNATED OPERATOR (DO) STATEMENT IN CERS. COMPLIANCE REQUIREMENT: IMMEDIATELY UPLOAD CURRENT DO STATEMENT TO CERS WEBSITE. VIOLATION WAS LISTED ON 9/16/15 INSPECTION REPORT. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN SEVEN (7) DAYS. 11/23/15 DO STMT COMPLETED ON CERS. PS
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 08-27-2018
Citation: 23 CCR 16 2715(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(i)
Violation Description: Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes: Returned to compliance on 08/27/2018. OBSERVATION: The annual monitoring certification was last conducted on 08/22/2018. This year's annual monitoring certification is 5 days late. CORRECTIVE ACTION: The annual monitoring certification was conducted today. The violation was corrected on-site, no further corrective action required.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-15-2015
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)

FOUR CORNERS UNION (Continued) **S123508558**

Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 11/23/2015. CERS INVENTORY DID NOT REFLECT HAZARDOUS WASTE INVENTORY. NO EPA ID NUMBER OBSERVED. COMPLIANCE REQUIREMENT: UPDATE CERS INVENTORY TO REFLECT LISTED HAZARDOUS WASTE INVENTORY. UPDATE BUSINESS ACTIVITIES ON CERS TO REFLECT YES TO HAZARDOUS WASTE GENERATION QUESTION AND ADD EPA ID NUMBER. SUBMIT A SIGNED CERTIFICATE OF COMPLIANCE WITHIN 30 DAYS. BUSINESS PLAN UPDATED ON CERS.PS
Violation Division: San Bernardino County Fire Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 08-22-2017
Citation: 23 CCR 16 2715(c) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(c)
Violation Description: Failure to comply with one or more of the following designated operator (DO) monthly inspection requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been properly trained.
Violation Notes: Returned to compliance on 08/29/2018. OBSERVATION: THE LAST EMPLOYEE TRAINING WAS CONDUCTED ON 05/4/16 AND IS NOW OVERDUE. EMPLOYEE TRAINING MUST BE CONDUCTED ANNUALY. COMPLIANCE REQUIREMENT: PROVIDE EMPLOYEE TRAINING WITHIN 30 DAYS AND SUBMIT A COPY OF THE RECORD SHEET VERIFYING COMPLIANCE WITH THIS REQUIREMENT. UPON COMPLETION, SIGN/RETURN THE CERTIFICATE OF COMPLIANCE TO USTCOMPLIANCE@SBCFIRE.ORG TO CLEAR THE VIOLATION.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-15-2015
Citation: 23 CCR 16 2715 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715
Violation Description: Failure to comply with one or more of the designated operator monthly inspection requirements: failed to inspect the monthly alarm history report; attach a copy of the alarm history; failed to inspect for the presence of liquid or debris in the spill container/spill bucket and under dispenser containment; failed to inspect the under dispenser containment to ensure that monitoring equipment is placed in the proper position; failure to inspect for liquid or debris in the containment sump where an alarm occurred or for which there is no record of a service visit; or failure to check that all testing and maintenance has been completed and documented.
Violation Notes: Returned to compliance on 12/16/2016. DO MONTHLY LOGS DID NOT REFLECT

FOUR CORNERS UNION (Continued) **S123508558**

CAUSE OR CORRECTIVE ACTIONS FOR LISTED LIQUID ALARMS. EMPLOYEE TRAINING WAS PAST DUE. COMPLIANCE REQUIREMENT: SUBMIT COPIES OF UPDATED DO MONTHLY LOGS TO REFLECT CAUSE AND CORRECTIVE ACTION FOR ALARMS LISTED IN THIS REPORT WITHIN 30 DAYS. 5/2/16 NO COMPLIANCE RECD WILL ISSUE OVL. PS

Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 09-13-2016
Citation: HSC 6.7 Multiple - California Health and Safety Code, Chapter 6.7, Section(s) Multiple
Violation Description: UST Program - Administration/Documentation - General - Must include violation description, proper statute and regulation citation in the "comment" section.
Violation Notes: Returned to compliance on 09/13/2016. Failure to have a written monitoring program with monitoring procedures and response plan (CHSC 25286(a)) OBSERVATIONS: THE GENERAL PIPING LAYOUT IS MISSING FROM THE UST SITE MONITORING PLAN. THE MECHANICAL LINE LEAK DETECTOR FOR THE DIESEL SYSTEM IS LISTED AS BEING FX1V, WHEN IT SHOULD BE FX1DV. COMPLIANCE REQUIREMENT: UPDATE THE SITE PLAN WITH THE ESTIMATED PIPING LAYOUT. UPDATE THE TANK INFORMATION FOR THE DIESEL TANK TO SHOW THE CORRECT LINE LEAK DETECTOR.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Violation Date: 08-27-2020
Citation: 23 CCR 16 2641(a) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(a)
Violation Description: Failure of leak detection equipment to be located such that equipment is capable of detecting a leak at the earliest possible opportunity.
Violation Notes: OBSERVATION: LEAK DETECTION EQUIPMENT MUST BE LOCATED SO THAT THE SENSOR IS CAPABLE OF DETECTING A LEAK AT THE EARLIEST OPPORTUNITY. FACILITY HAS METAL BRAVO BOXES WITH MULTIPLE POCKETS AND DIVIDERS, WHICH PREVENTS THE EARLY LEAK DETECTION. COMPLIANCE REQUIREMENT: SUBMIT A SCOPE OF WORK TO THIS DEPARTMENT TO HAVE THE FLOAT POCKETS IN THE METAL BRAVO BOXS PLUGGED WITH THE APPROVED BRAVO FILL KIT AND DIVIDERS REMOVED.
Violation Division: San Bernardino County Fire Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-13-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: PAPER AUDIT
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

FOUR CORNERS UNION (Continued) **S123508558**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST MONITORING CERTIFICATION- BORON 76
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: ANNUAL MONITORING CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: 4-CORNERS UNION 76- UST INSP
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST CUPA INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-17-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-19-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST OVERFILL PROTECTION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-22-2017
Violations Found: Yes

FOUR CORNERS UNION (Continued) **S123508558**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST WASTE INSPECTION- BORON 76
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 08-19-2019
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: UST SB989 CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-19-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: UST MONITORING CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-27-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: UST INSPECTION- BORON 76
Eval Division: San Bernardino County Fire Department

FOUR CORNERS UNION (Continued) **S123508558**

Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: HAZARDOUS MATERIALS HANDLER INSPECTION UST ONLY
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-15-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: WASTE INCIDENTAL TO UST ONLY INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-16-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: 4-CORNERS UNION 67- UST MONITORING CERTIFICATION
Eval Division: San Bernardino County Fire Department
Eval Program: UST
Eval Source: CERS

Enforcement Action:
Site ID: 31356
Site Name: FOUR CORNERS UNION
Site Address: 6158 HWY 58 B
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-13-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Site Address: 6158 HWY 58 B
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HMRRP
Enf Action Source: CERS

FOUR CORNERS UNION (Continued) **S123508558**

Site ID: 31356
Site Name: FOUR CORNERS UNION
Site Address: 6158 HWY 58 B
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Site Address: 6158 HWY 58 B
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-15-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 31356
Site Name: FOUR CORNERS UNION
Site Address: 6158 HWY 58 B
Site City: KRAMER JUNCTION
Site Zip: 93516
Enf Action Date: 09-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: San Bernardino County Fire Department
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Operator
Entity Name: KAREN CAILLIER
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 373-0182

Affiliation Type Desc: UST Permit Applicant
Entity Name: Karen Cailler
Entity Title: Owner
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported

FOUR CORNERS UNION (Continued) **S123508558**

Affiliation Zip:	Not reported
Affiliation Phone:	(760) 762-6692
Affiliation Type Desc:	Identification Signer
Entity Name:	KAREN CAILLIER
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	UST Tank Owner
Entity Name:	Karen Cailler
Entity Title:	Not reported
Affiliation Address:	6158 hwy 58 b
Affiliation City:	Boron
Affiliation State:	ca
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 762-6692
Affiliation Type Desc:	Document Preparer
Entity Name:	Karen Caillier
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	KAREN CAILLIER
Entity Title:	Not reported
Affiliation Address:	6158 HIGHWAY 58
Affiliation City:	KRAMER JUNCTION
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92316
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	6158 B HWY 58
Affiliation City:	KRAMER JUNCTION
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Karen Caillier
Entity Title:	Not reported
Affiliation Address:	25831 Cherry Hill

FOUR CORNERS UNION (Continued) **S123508558**

Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 373-0182
Affiliation Type Desc:	UST Property Owner Name
Entity Name:	Karen Cailler
Entity Title:	Not reported
Affiliation Address:	6158 hwy 58 b
Affiliation City:	Boron
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 762-6692
Affiliation Type Desc:	UST Tank Operator
Entity Name:	KAREN CAILLIER
Entity Title:	Not reported
Affiliation Address:	6158 hwy 58 b
Affiliation City:	Boron
Affiliation State:	ca
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 762-6692
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Legal Owner
Entity Name:	CAILLIER, KAREN D.
Entity Title:	Not reported
Affiliation Address:	25831 CHERRY HILL DR
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(760) 762-6692
Affiliation Type Desc:	Parent Corporation
Entity Name:	Four Corners
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

AV386 **AT&T MOBILITY - BORON (USID11653)** **San Bern. Co. Permit** **S121309795**
East **6158 E STATE HIGHWAY 58** **CERS** **N/A**
1/4-1/2 **BORON, CA 93516**
0.471 mi.
2489 ft. **Site 9 of 13 in cluster AV**

Actual:
2473 ft.

Focus Map:
55

San Bern. Co. Permit:
Name: AT&T MOBILITY - BORON (USID11653)
Address: 6158 E STATE HIGHWAY 58
City,State,Zip: BORON, CA 93516
Region: SAN BERNARDINO
Facility ID: FA0011566
Owner: New Cingular Wireless PCS, LLC dba AT&T Mobility
Permit Number: PT0020577
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 04/30/2021

CERS:
Name: AT&T MOBILITY - BORON (USID11653)
Address: 6158 E STATE HIGHWAY 58
City,State,Zip: BORON, CA 93516
Site ID: 7910
CERS ID: 10053118
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-12-2013
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-08-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: HANDLER INSPECTION
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-05-2019
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: San Bernardino County Fire Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 308 S. Akard St., 17th Floor

AT&T MOBILITY - BORON (USID11653) (Continued) **S121309795**

Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	AT&T Mobility
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(800) 566-9347
Affiliation Type Desc:	CUPA District
Entity Name:	San Bernardino County Fire
Entity Title:	Not reported
Affiliation Address:	620 South E Street
Affiliation City:	San Bernardino
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92415-0153
Affiliation Phone:	(909) 386-8401
Affiliation Type Desc:	Environmental Contact
Entity Name:	AT&T EH&S Hotline - Option #1
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	New Cingular Wireless PCS, LLC dba AT&T Mobility
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712
Affiliation Type Desc:	Parent Corporation

AT&T MOBILITY - BORON (USID11653) (Continued) **S121309795**

Entity Name:	AT&T Mobility
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

AV387 **FOUR CORNERS UNION** **FINDS** **1023296607**
East **6158 HWY 58 B** **N/A**
1/4-1/2 **KRAMER JUNCTION, CA 93516**
0.471 mi.
2489 ft. **Site 10 of 13 in cluster AV**

Actual:
2473 ft.

FINDS:
Registry ID: 110065884074

Focus Map:
55

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AV388 **AT&T MOBILITY #11335/11653** **FINDS** **1023226595**
East **6158 E STATE HIGHWAY 58** **N/A**
1/4-1/2 **BORON, CA 93516**
0.471 mi.
2489 ft. **Site 11 of 13 in cluster AV**

Actual:
2473 ft.

FINDS:
Registry ID: 110065133304

Focus Map:
55

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AV389 **AT AND T MOBILITY - BORON 11653 (SAN BERNARDINO)** **CUPA Listings** **S126202515**
East **6158 HIGHWAY 58** **N/A**
1/4-1/2 **BORON, CA**
0.471 mi.
2489 ft. **Site 12 of 13 in cluster AV**

Actual:
2473 ft.

Focus Map:
55

KERN CO CUPA:

Facility ID:	FA0005499
CERS ID:	Not reported
Name:	AT AND T MOBILITY - BORON 11653 (SAN BERNARDINO)
Address:	6158 HIGHWAY 58
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	10/1/2011
Employee:	CUPA 3
Mailing Address:	12900 PARK PLAZA DRIVE
Mailing Address 2:	Not reported
Mailing City:	CERRITOS
Mailing State:	CA
Mailing Zip:	90703

AW390 **NORTH EDWARDS WATER DISTRICT** **FINDS** **1023286116**
South **13525 FRAN ST** **ECHO** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.473 mi.
2496 ft. **Site 1 of 2 in cluster AW**

Actual:
2308 ft.

Focus Map:
49

FINDS:
Registry ID: 110065771864

Click Here:

Environmental Interest/Information System:
STATE MASTER
ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1023286116
Registry ID:	110065771864
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110065771864
Name:	NORTH EDWARDS WATER DISTRICT

NORTH EDWARDS WATER DISTRICT (Continued) **1023286116**

Address: 13525 FRAN ST
City,State,Zip: NORTH EDWARDS, CA 93523

AW391 **NORTH EDWARDS WATER DISTRICT** **CUPA Listings** **S123501198**
South **13525 FRAN ST** **CERS** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.473 mi.
2496 ft. **Site 2 of 2 in cluster AW**

Actual:
2308 ft.

Focus Map:
49

KERN CO CUPA:

Facility ID:	FA0000046
CERS ID:	10230628
Name:	NORTH EDWARDS WATER DISTRICT
Address:	13525 FRAN ST
Address 2:	13525 FRAN ST
City,State,Zip:	NORTH EDWARDS, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 2-5 UNITS
Program Element Code:	CB4T
HMIRRP Due Date:	9/30/2013
Current Inspection Date:	11/1/2021
Employee:	CUPA 3
Mailing Address:	13525 FRAN ST
Mailing Address 2:	Not reported
Mailing City:	NORTH EDWARDS
Mailing State:	CA
Mailing Zip:	93523

CERS:

Name:	NORTH EDWARDS WATER DISTRICT
Address:	13525 FRAN ST
City,State,Zip:	NORTH EDWARDS, CA 93523
Site ID:	138716
CERS ID:	10230628
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Violation Date:	12-14-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 06/29/2016. Facility lacking a valid training plan. Gave facility training lan template. Please complete the template, upload and resubmit in CERS
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Violation Date:	03-23-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when

NORTH EDWARDS WATER DISTRICT (Continued) **S123501198**

	storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/06/2016. Facility did not submit their 2015 annual HMBP in CERS. Sent a reminder notice on February 18, 2016 and did not comply by provided deadline of March 18, 2016. Current deadline is April 8, 2016 or will pursue Administrative Enforcement Order and office hearing for non-compliance.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Violation Date:	12-14-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 06/29/2016. FAcility lacking an adequate emergency response plan/ contingency plan. Gave facility the contingency plan template. Please complete the template, upload, and resubmit into CERS
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Violation Date:	02-25-2014
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 03/25/2014. Failure to submit in CERS
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Violation Date:	12-07-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes:	Returned to compliance on 12/07/2018. Last CERS submittal observed to be June 29, 2016. Please review and revise as needed and then submit all elements. All CERS elements must be reviewed and resubmitted annually in CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138716

NORTH EDWARDS WATER DISTRICT (Continued) **S123501198**

Site Name:	NORTH EDWARDS WATER DISTRICT
Violation Date:	12-14-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/06/2016. Please enter all hazardous materials into the hazardous materials inventory in CERS and resubmit. Observed two aboveground storage tanks containing around 125 gallons each of sodium hypochlorite solution.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Violation Date:	12-14-2015
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 05/06/2016. Facility lacking an accurate site map. Gave facility list of site map requirements. Please draw an accurate site map that includes all the necessary components, upload and then resubmit into CERS
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Violation Date:	12-14-2015
Citation:	HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description:	Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes:	Returned to compliance on 05/06/2016. Facility has not resubmitted information into CERS since March 2014. Please update all information and resubmit.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Other/Unknown
Eval Date:	02-25-2014
Violations Found:	Yes
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	03-23-2016
Violations Found:	Yes

NORTH EDWARDS WATER DISTRICT (Continued) **S123501198**

Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-14-2015
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Once all the violations have been corrected please sign and return the last page of this inspection report to trulovej@co.kern.ca.us or 661-862-8701 to certify that all the violations have been properly corrected.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	12-26-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-07-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Site Address:	13525 FRAN ST
Site City:	NORTH EDWARDS
Site Zip:	93523
Enf Action Date:	02-25-2014
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	138716
Site Name:	NORTH EDWARDS WATER DISTRICT
Site Address:	13525 FRAN ST
Site City:	NORTH EDWARDS
Site Zip:	93523
Enf Action Date:	03-23-2016
Enf Action Type:	Notice of Violation (Unified Program)

NORTH EDWARDS WATER DISTRICT (Continued) **S123501198**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 138716
Site Name: NORTH EDWARDS WATER DISTRICT
Site Address: 13525 FRAN ST
Site City: NORTH EDWARDS
Site Zip: 93523
Enf Action Date: 05-20-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 13525 FRAN ST
Affiliation City: NORTH EDWARDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93523
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: DOLLIE KOSTOPOULOS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 559-8039

Affiliation Type Desc: Parent Corporation
Entity Name: NORTH EDWARDS WATER DISTRICT
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: Not reported
Entity Title: Not reported
Affiliation Address: newd@verizon.net
Affiliation City: North Edwards
Affiliation State: CA
Affiliation Country: United States

NORTH EDWARDS WATER DISTRICT (Continued) **S123501198**

Affiliation Zip:	93523
Affiliation Phone:	(760) 403-0012
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Identification Signer
Entity Name:	Dollie Kostopoulos
Entity Title:	General Manger
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	NORTH EDWARDS WATER DISTRICT
Entity Title:	Not reported
Affiliation Address:	13525 FRAN ST
Affiliation City:	NORTH EDWARDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93523
Affiliation Phone:	(760) 769-4520
Affiliation Type Desc:	Document Preparer
Entity Name:	Dollie Kostopoulos
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	DOLLIE KOSTOPOULOS
Entity Title:	Not reported
Affiliation Address:	13525 FRAN STREET
Affiliation City:	NORTH EDWARDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93523
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Not reported
Entity Title:	Not reported
Affiliation Address:	newd@verizon.net

NORTH EDWARDS WATER DISTRICT (Continued) **S123501198**

Affiliation City:	North Edwards
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93523
Affiliation Phone:	(760) 403-0012

AV392 **FOUR CORNERS UNION STATION** **EDR Hist Auto** **1020364376**
East **6158B HWY 58** **N/A**
1/4-1/2 **BORON, CA 93516**
0.473 mi.
2497 ft. **Site 13 of 13 in cluster AV**

Actual: EDR Hist Auto
2473 ft.

Focus Map:
55

Year:	Name:	Type:
1999	FOUR CORNERS UNION STATION	Gasoline Service Stations
2000	FOUR CORNERS UNION STATION	Gasoline Service Stations
2001	FOUR CORNERS UNION STATION	Gasoline Service Stations

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393 **EDWARDS AIR FORCE BASE - 5 - AOC 286** **MCS** **S110167663**
SE **N/A**
1/4-1/2 **EDWARDS AFB, CA 93524**
0.484 mi.
2553 ft.

Actual: MCS:
2310 ft.

Focus Map:
48

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 286
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100109100
Latitude:	34.99417
Longitude:	-117.8758
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 380
LOC Case Number:	100052 -- 380
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100109100
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

394 SW 1/4-1/2 0.490 mi. 2589 ft. **EDWARDS AIR FORCE BASE - 7 - SITE 265** **MCS** **S110167556 N/A**

EDWARDS AFB, CA 93524

Actual: 2394 ft.
Focus Map: 51

MCS:

Name:	EDWARDS AIR FORCE BASE - 7 - SITE 265
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100147800
Latitude:	34.98616
Longitude:	-117.7095
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/06/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 2
LOC Case Number:	100052 -- 2
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100147800
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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395 SE 1/4-1/2 0.493 mi. 2603 ft. **EDWARDS AIR FORCE BASE - 5 - AOC 197** **MCS** **S110167742 N/A**

EDWARDS AFB, CA 93524

Actual: 2310 ft.
Focus Map: 48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 197
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100101100
Latitude:	34.99359
Longitude:	-117.8763
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 460
LOC Case Number:	100052 -- 460
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100101100
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

396
ENE
1/4-1/2
0.495 mi.
2613 ft.

NANCY SWINDLEHURST
24405 TAMARISK AVE
BORON, CA 93516

HAZNET **S118930284**
HWTS **N/A**

Actual:
2406 ft.

Focus Map:
52

HAZNET:

Name:	NANCY SWINDLEHURST
Address:	24405 TAMARISK AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	NANCY SWINDLEHURST
Telephone:	7607625444
Mailing Name:	Not reported
Mailing Address:	24405 TAMARISK AVE
Year:	2015
Gepaid:	CAC002831793
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.46

Additional Info:

Year:	2015
Gen EPA ID:	CAC002831793
Shipment Date:	20151003
Creation Date:	12/22/2015 22:15:21
Receipt Date:	20151006
Manifest ID:	009982183JJK
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAL000317320
Trans 2 Name:	UNIWASTE
TSDF EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.46
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	NANCY SWINDLEHURST
Address:	24405 TAMARISK AVE
Address 2:	Not reported

NANCY SWINDLEHURST (Continued) **S118930284**

City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002831793
Inactive Date:	12/30/2015
Create Date:	09/29/2015
Last Act Date:	12/30/2015
Mailing Name:	Not reported
Mailing Address:	24405 TAMARISK AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	NANCY SWINDLEHURST
Owner Address:	24405 TAMARISK AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	NANCY SWINDLEHURST
Contact Address:	24405 TAMARISK AVE
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

397
West
1/4-1/2
0.498 mi.
2630 ft.

VERONICA LIMON RAMIREZ **RCRA NonGen / NLR** **1026820995**
11001 ROME BEAUTY DR **CAC003133894**
CALIFORNIA CITY, CA 93505

Actual:
2343 ft.

Focus Map:
20

RCRA NonGen / NLR:

Date Form Received by Agency:		20210811
Handler Name:	VERONICA LIMON RAMIREZ	
Handler Address:		11001 ROME BEAUTY DR
Handler City,State,Zip:		CALIFORNIA CITY, CA 93505
EPA ID:		CAC003133894
Contact Name:		VERONICA LIMON
Contact Address:		11001 ROME BEAUTY DR
Contact City,State,Zip:		CALIFORNIA CITY, CA 93505
Contact Telephone:		661-992-1941
Contact Fax:		Not reported
Contact Email:		FAVILA@BURNS-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		11001 ROME BEAUTY DR
Mailing City,State,Zip:		CALIFORNIA CITY, CA 93505
Owner Name:		VERONICA LIMON RAMIREZ
Owner Type:		Other
Operator Name:		VERONICA LIMON
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

VERONICA LIMON RAMIREZ (Continued) **1026820995**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210812
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	VERONICA LIMON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

VERONICA LIMON RAMIREZ (Continued) **1026820995**

Owner/Operator Address:	11001 ROME BEAUTY DR
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	661-992-1941
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	VERONICA LIMON RAMIREZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	11001 ROME BEAUTY DR
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	661-992-1941
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210811
Handler Name: VERONICA LIMON RAMIREZ	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

AX398 **PARKER RESIDENCE** **CERS TANKS** **S123539897**
South **16705 GLENDOWER** **CUPA Listings** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.498 mi.
2631 ft. **Site 1 of 5 in cluster AX**

Actual:
2299 ft.

Focus Map:
49

CERS TANKS:

Name:	PARKER RESIDENCE
Address:	16705 GLENDOWER
City,State,Zip:	NORTH EDWARDS, CA 93523
Site ID:	55526
CERS ID:	10234741

PARKER RESIDENCE (Continued) **S123539897**

CERS Description: Underground Storage Tank

Violations:

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 06-07-2016
Citation: HSC 6.7 25298 - California Health and Safety Code, Chapter 6.7, Section(s) 25298
Violation Description: UST system was abandoned or not properly closed, or failure to comply with all permanent closure requirements.
Violation Notes: The owner has failed to properly close the UST System. To achieve compliance, the owner shall complete and submit a UST Removal Application package to this department. An application package will be sent to the owner along with a copy of this report.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 02-25-2014
Citation: HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description: Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes: Failure to submit in CERS
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 04-17-2015
Citation: HSC 6.7 25298 - California Health and Safety Code, Chapter 6.7, Section(s) 25298
Violation Description: UST system was abandoned or not properly closed, or failure to comply with all permanent closure requirements.
Violation Notes: The owner has failed to properly close the UST system. The owner has received a Notice of Non-Compliance and Directive to Take Corrective Action from the State Water Resources Control Board. To achieve compliance, the UST owner is required to complete and submit a UST Removal Application to this department to obtain a permit to remove the UST.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 04-17-2017
Citation: 23 CCR 16 2641(j) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2641(j)
Violation Description: Failure of the leak detection equipment to be installed, calibrated, operated, and/or maintained properly.
Violation Notes: The owner has failed to install leak detection equipment.
Violation Division: Kern County Env Health Services Department
Violation Program: UST

PARKER RESIDENCE (Continued) **S123539897**

Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 04-17-2017
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: The owner has failed to prevent unauthorized releases. The tank system has no monitoring equipment.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 04-17-2015
Citation: HSC 6.7 25291 - California Health and Safety Code, Chapter 6.7, Section(s) 25291
Violation Description: Failure to install leak detection equipment correct for the type of system.
Violation Notes: Not reported
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 04-17-2015
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent spills and/or overfills.
Violation Notes: Not reported
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 04-17-2017
Citation: 23 CCR 6.7 25284, 25286 - California Code of Regulations, Title 23, Chapter 6.7, Section(s) 25284, 25286
Violation Description: Failure to submit a complete and accurate application for a permit to operate a UST, or for renewal of the permit.
Violation Notes: The owner has failed to submit in the California Environmental Reporting System (CERS) a complete and accurate UST Facility Operating Permit Application. The owner has not submitted the information in CERS since July 17, 2014.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 04-17-2017
Citation: HSC 6.7 25298 - California Health and Safety Code, Chapter 6.7,

PARKER RESIDENCE (Continued) **S123539897**

Section(s) 25298
Violation Description: UST system was abandoned or not properly closed, or failure to comply with all permanent closure requirements.
Violation Notes: The owner has failed to properly close the UST system on the property. A Notice of Violation will be prepared and sent to the owner. This is a repeat violation.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Violation Date: 11-21-2013
Citation: HSC 6.7 25298 - California Health and Safety Code, Chapter 6.7, Section(s) 25298
Violation Description: UST system was abandoned or not properly closed, or failure to comply with all permanent closure requirements.
Violation Notes: The owner has failed to properly close the UST system. The owner has received a Notice of Non-Compliance and Directive to Take Corrective Action from the State Water Resources Control Board. The owner shall obtain a permit from this department to remove the UST and complete the removal by January 15, 2014.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 02-25-2014
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 06-07-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-21-2013
Violations Found: Yes

PARKER RESIDENCE (Continued) **S123539897**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-17-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Enforcement Action:
Site ID: 55526
Site Name: PARKER RESIDENCE
Site Address: 16705 GLENDOWER
Site City: NORTH EDWARDS
Site Zip: 93523
Enf Action Date: 02-25-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Site Address: 16705 GLENDOWER
Site City: NORTH EDWARDS
Site Zip: 93523
Enf Action Date: 04-17-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Site Address: 16705 GLENDOWER
Site City: NORTH EDWARDS
Site Zip: 93523
Enf Action Date: 04-30-2014
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE

PARKER RESIDENCE (Continued) **S123539897**

Site Address: 16705 GLENDOWER
Site City: NORTH EDWARDS
Site Zip: 93523
Enf Action Date: 08-01-2017
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Site ID: 55526
Site Name: PARKER RESIDENCE
Site Address: 16705 GLENDOWER
Site City: NORTH EDWARDS
Site Zip: 93523
Enf Action Date: 11-21-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: UST
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: DAVID AND REGINA PARKER
Entity Title: Not reported
Affiliation Address: 16705 GLENDOWER AVENUE
Affiliation City: NORTH EDWARDS
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93523
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: PARKER RESIDENCE
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: DAVID AND REGINA PARKER
Entity Title: Not reported
Affiliation Address: 16705 GLENDOWER
Affiliation City: NORTH EDWARDS
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93523
Affiliation Phone: (760) 769-4302

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme

PARKER RESIDENCE (Continued) **S123539897**

Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	16705 GLENDOWER
Affiliation City:	NORTH EDWARDS
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93523
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	DAVID AND REGINA PARKER
Entity Title:	Not reported
Affiliation Address:	16705 GLENDOWER
Affiliation City:	NORTH EDWARDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93523
Affiliation Phone:	(760) 769-4302
Affiliation Type Desc:	UST Tank Owner
Entity Name:	DAVID AND REGINA PARKER
Entity Title:	Not reported
Affiliation Address:	16705 GLENDOWER
Affiliation City:	NORTH EDWARDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93523
Affiliation Phone:	(760) 769-4302
Affiliation Type Desc:	Operator
Entity Name:	DAVID AND REGINA PARKER
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 769-4302
Affiliation Type Desc:	UST Tank Operator
Entity Name:	David Parker
Entity Title:	Not reported
Affiliation Address:	16705 GLENDOWER
Affiliation City:	NORTH EDWARDS
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93523
Affiliation Phone:	(760) 769-4302

PARKER RESIDENCE (Continued) **S123539897**

KERN CO CUPA:

Facility ID:	FA0003543
CERS ID:	10234741
Name:	PARKER RESIDENCE
Address:	16705 GLENDOWER
Address 2:	16705 GLENDOWER
City,State,Zip:	NORTH EDWARDS, CA
Billing Status:	Inactive, non-billable
Program Element:	BUSINESS PLAN PROGRAM DIRECT
Program Element Code:	CB00
HMIRRP Due Date:	Not reported
Current Inspection Date:	10/1/2009
Employee:	CUPA 3
Mailing Address:	16705 GLENDOWER
Mailing Address 2:	Not reported
Mailing City:	NORTH EDWARDS
Mailing State:	CA
Mailing Zip:	93523

AX399 **PARKER RESIDENCE** **UST** **U003941057**
South **16705 GLENDOWER** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.498 mi.
2631 ft. **Site 2 of 5 in cluster AX**

Actual:
2299 ft.

Focus Map:
49

KERN CO. UST:

Name:	PARKER RESIDENCE
Address:	16705 GLENDOWER
City:	NORTH EDWARDS
Region:	Kern
Facility ID:	FA0003543
CERSID:	10234741
Owner Id:	Not reported
Owner Name:	Not reported
Tank Num:	1
Tank Capacity:	500
Common Name:	Not reported
Description:	DIESEL
Number of Compartments:	1
Install Date:	01/01/1970
Date of Closure:	Not reported
Billing Status:	Active, exempt from billing
Mailing Address:	16705 GLENDOWER
Mailing Address (care of):	DAVID AND REGINA PARKER
Mailing City/State/Zip:	NORTH EDWARDS, CA 93523

UST:

Name:	PARKER RESIDENCE
Address:	16705 GLENDOWER
City,State,Zip:	NORTH EDWARDS, CA 93523
Facility ID:	Not reported
Permitting Agency:	Kern County Environmental Health Services Department
Latitude:	35.0215
Longitude:	-117.83227
Name:	PARKER RESIDENCE

PARKER RESIDENCE (Continued) **U003941057**

Address:	16705 GLENDOWER
City,State,Zip:	NORTH EDWARDS, CA 93523
Facility ID:	Not reported
Permitting Agency:	Kern County Environmental Health Service
Latitude:	35.0215
Longitude:	-117.83227

Name:	PARKER RESIDENCE
Address:	16705 GLENDOWER
City,State,Zip:	NORTH EDWARDS, CA 93523
Facility ID:	Not reported
Permitting Agency:	Kern County Environmental Health Services Department
Latitude:	35.0215
Longitude:	-117.83227

AX400 **DIANA GRAY** **HIST UST** **U001586545**
South **16705 GLENDOWER AVE** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.498 mi.
2631 ft. **Site 3 of 5 in cluster AX**

Actual:
2299 ft.

Focus Map:
49

HIST UST:

Name:	DIANA GRAY
Address:	16705 GLENDOWER AVE
City,State,Zip:	NORTH EDWARDS, CA 93523
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000009754
Facility Type:	Other
Other Type:	PRIVATE HOME
Contact Name:	N/A
Telephone:	2134453748
Owner Name:	ALICE S. BRECKENRIDGE
Owner Address:	739 ARCADIA AVE. APT 12
Owner City,St,Zip:	ARCADIA, CA 91006
Total Tanks:	0001

Tank Num:	001
Container Num:	001
Year Installed:	1972
Tank Capacity:	00000500
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	None

AX401 **PARKER RESIDENCE** **FINDS** **1023238264**
South **16705 GLENDOWER** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.498 mi.
2631 ft. **Site 4 of 5 in cluster AX**

Actual:
2299 ft.

Focus Map:
49

FINDS:
Registry ID: 110065258651

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AX402 **DAVID PARKER** **SWEEPS UST** **S106925204**
South **16705 GLENDOWER ST** **N/A**
1/4-1/2 **NORTH EDWARDS, CA 93523**
0.498 mi.
2631 ft. **Site 5 of 5 in cluster AX**

Actual:
2299 ft.

Focus Map:
49

SWEEPS UST:

Name:	DAVID PARKER
Address:	16705 GLENDOWER ST
City:	NORTH EDWARDS
Status:	Active
Comp Number:	9754
Number:	9
Board Of Equalization:	44-005770
Referral Date:	01-08-91
Action Date:	01-08-91
Created Date:	09-30-89
Owner Tank Id:	1
SWRCB Tank Id:	15-000-009754-000001
Tank Status:	A
Capacity:	500
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	1

AY403 **CALIF CITY WASTEWATER TREATMENT PLA** **FINDS** **1023207705**
South **10835 NELSON DR** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 1 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

FINDS:
Registry ID: 110064929181

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AY404 **CITY OF CALIFORNIA CITY WASTEWATER** **EMI** **S124455029**
South **10835 NORTH NELSON DRIVE** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 2 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

EMI:

Name:	CITY OF CALIFORNIA CITY WASTEWATER
Address:	10835 NORTH NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA 93505
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	409
Air District Name:	KER
SIC Code:	4952
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1.0669928299
Reactive Organic Gases Tons/Yr:	0.76486
Carbon Monoxide Emissions Tons/Yr:	0.03067
NOX - Oxides of Nitrogen Tons/Yr:	0.03303
SOX - Oxides of Sulphur Tons/Yr:	6e-005
Particulate Matter Tons/Yr:	0.00177
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00177

AY405 **CALIFORNIA CITY CS** **CERS** **S123506438**
South **10835 NELSON** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 3 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

CERS:

Name:	CALIFORNIA CITY CS
Address:	10835 NELSON
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	262670
CERS ID:	630829
CERS Description:	Sewager Spills

Enforcement Action:

Site ID:	262670
Site Name:	California City CS
Site Address:	10835 NELSON
Site City:	CALIFORNIA CITY
Site Zip:	93505
Enf Action Date:	04-10-2012
Enf Action Type:	Notice of Violation (Water)
Enf Action Description:	Notice of Violation Letter (Informal)
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	SSOMUNISML
Enf Action Source:	CIWQS

AY406 **CALIFORNIA CITY WTF** **PFAS** **S127520806**
South **10835 NELSON DRIVE** **N/A**
1/2-1 **CALIFORNIA CITY, CA**
0.507 mi.
2677 ft. **Site 4 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

PFAS:

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
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Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665

CALIFORNIA CITY WTF (Continued) **S127520806**

Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
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Local Agency:	Not reported
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File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
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source_type:	All PFAS Chemicals
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Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF

CALIFORNIA CITY WTF (Continued) **S127520806**

Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

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City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Program Type: Not reported
Status: Not reported
Status Date: Not reported
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City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
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source_type: All PFAS Chemicals
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City,State,Zip: CALIFORNIA CITY, CA
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Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631

CALIFORNIA CITY WTF (Continued) **S127520806**

Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
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Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
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Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
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Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
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Enviroscreen Score: Not reported
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Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
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Local Agency: Not reported
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Name: CALIFORNIA CITY WTF
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Envirostor ID: Not reported
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Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
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CALIFORNIA CITY WTF (Continued) **S127520806**

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
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source_type: All PFAS Chemicals
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Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
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source_type: All PFAS Chemicals

CALIFORNIA CITY WTF (Continued) **S127520806**

Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

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Site History: Not reported

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source_type: All PFAS Chemicals
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CALIFORNIA CITY WTF (Continued) **S127520806**

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
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File Location:	Not reported
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Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA

CALIFORNIA CITY WTF (Continued) **S127520806**

Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
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Case worker: Not reported
Local Agency: Not reported
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Potential Media Affected: Not reported
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Begin Date: Not reported
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Program Type: Not reported
Status: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
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Facility Region: LAHONTAN RWQCB (REGION 6V)
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Site Code: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
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Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
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Longitude: -117.935665
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Site History: Not reported

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RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196

CALIFORNIA CITY WTF (Continued) **S127520806**

Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

CALIFORNIA CITY WTF (Continued) **S127520806**

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA

CALIFORNIA CITY WTF (Continued) **S127520806**

Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631
Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631
Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196

CALIFORNIA CITY WTF (Continued) **S127520806**

Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

CALIFORNIA CITY WTF (Continued) **S127520806**

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA

CALIFORNIA CITY WTF (Continued) **S127520806**

Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196

CALIFORNIA CITY WTF (Continued) **S127520806**

Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

CALIFORNIA CITY WTF (Continued) **S127520806**

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA

CALIFORNIA CITY WTF (Continued) **S127520806**

Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196

CALIFORNIA CITY WTF (Continued) **S127520806**

Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

CALIFORNIA CITY WTF (Continued) **S127520806**

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA

CALIFORNIA CITY WTF (Continued) **S127520806**

Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196

CALIFORNIA CITY WTF (Continued) **S127520806**

Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

CALIFORNIA CITY WTF (Continued) **S127520806**

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA

CALIFORNIA CITY WTF (Continued) **S127520806**

Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631
Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631
Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196

CALIFORNIA CITY WTF (Continued) **S127520806**

Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

CALIFORNIA CITY WTF (Continued) **S127520806**

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA

CALIFORNIA CITY WTF (Continued) **S127520806**

Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196

CALIFORNIA CITY WTF (Continued) **S127520806**

Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

CALIFORNIA CITY WTF (Continued) **S127520806**

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA

CALIFORNIA CITY WTF (Continued) **S127520806**

Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: WDR100029631
Facility Region: LAHONTAN RWQCB (REGION 6V)
Lead Agency: Not reported
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Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
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RB Case Number: Not reported
source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

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Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
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Facility Region: LAHONTAN RWQCB (REGION 6V)
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Case worker: Not reported
Local Agency: Not reported
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Potential Media Affected: Not reported
Site History: Not reported

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source_type: All PFAS Chemicals
Latitude: 35.14196
Longitude: -117.935665
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

Name: CALIFORNIA CITY WTF
Address: 10835 NELSON DRIVE
City,State,Zip: CALIFORNIA CITY, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported

CALIFORNIA CITY WTF (Continued) **S127520806**

Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631
Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	WDR100029631
Facility Region:	LAHONTAN RWQCB (REGION 6V)
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Latitude:	35.14196
Longitude:	-117.935665
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=WDR100029631

AY407 **CALIFORNIA CITY WASTEWATER TREATMENT PLANT** **CERS HAZ WASTE** **S118231924**
South **10835 NELSON DR** **HAZNET** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505** **CERS**
0.507 mi. **HWTS**
2677 ft. **Site 5 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

CERS HAZ WASTE:

Name:	CALIF CITY WASTEWATER TREATMENT PLA
Address:	10835 NELSON DR
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	15147
CERS ID:	10234927
CERS Description:	Hazardous Chemical Management
Name:	CALIF CITY WASTEWATER TREATMENT PLA
Address:	10835 NELSON DR
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	15147
CERS ID:	10234927
CERS Description:	Hazardous Waste Generator

HAZNET:

Name:	CALIFORNIA CITY WASTEWATER TREATMENT PLANT
Address:	10835 NELSON DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935051600
Contact:	GREG FIELDING
Telephone:	7603733720
Mailing Name:	Not reported
Mailing Address:	21000 HACIENDA BLVD
Year:	2014
Gepaid:	CAL000349721
TSD EPA ID:	CAD008488025
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	5.004

Additional Info:

Year:	2014
Gen EPA ID:	CAL000349721
Shipment Date:	20141020
Creation Date:	11/25/2014 22:15:05
Receipt Date:	20141020
Manifest ID:	012240601JJK
Trans EPA ID:	CAD072953771
Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 5.004
Waste Quantity: 1200
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CERS:
Name: CALIF CITY WASTEWATER TREATMENT PLA
Address: 10835 NELSON DR
City,State,Zip: CALIFORNIA CITY, CA 93505
Site ID: 15147
CERS ID: 10234927
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 10-21-2016
Citation: 19 CCR 4.5 2760.1(d)(2) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.1(d)(2)
Violation Description: Failure to document that equipment complies with recognized and generally accepted good engineering practices.
Violation Notes: Returned to compliance on 03/26/2019. The chlorine system needs to follow best engineering practices. The regulators should be attached to the chlorine cylinders and have the ability to auto shut off if the alarm system activates.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 10-12-2017
Citation: 19 CCR 4.5 2760.3(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.3(c)
Violation Description: Failure to review operating procedures as often as necessary to assure that they reflect current operating practice, including changes that result from changes in process chemicals, technology, and equipment, and changes to stationary sources.
Violation Notes: Returned to compliance on 03/26/2019. Review and remove any operating procedures that are no longer in use. At the time of the inspection an SOP was found for a peace of equipment that is no longer in service (Mechanical Mixer Submersible).
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 12-26-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 02/25/2015. Site map is inadequate for intended use. Enlarge Plot Plan for ease of use in Emergency Response. Add a map of the Chemical Storage Building to diagram the interior.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	01-16-2014
Citation:	19 CCR 4.5 2760.3(a)(2) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.3(a)(2)
Violation Description:	Failure to develop and implement written operating procedures that address at least the following elements: 1. Consequences of deviation; and, 2. Steps required to correct or avoid deviation.
Violation Notes:	Returned to compliance on 02/25/2015. Operating procedures must cite the consequence of deviation from established SOPs.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	10-12-2017
Citation:	19 CCR 4.5 2760.1(a)(d)(1) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.1(a)(d)(1)
Violation Description:	Failure to compile written process safety information pertaining to the equipment in the process that includes the following: 1. Materials of construction; 2. Piping and instrument diagrams (P&IDs); 3. Electrical classification; 4. Relief system design and design basis: ? Ventilation system design; 5. Design codes and standards employed; 6. Material and energy balances for processes built after June 21, 1999; 7. Safety systems (e.g., interlocks, detection, or suppression systems).
Violation Notes:	Returned to compliance on 03/26/2019. At the time of the inspection the following violations were observed under Recognized and Generally Accepted Good Engineering Practices (RAGAGEP). 1. Eye was station on the south end of the chlorine storage building was missing the shower portion of the device. All safety equipment must be unmodified and fully functional. 2. Eye was station on the East end of the chlorine storage building was completely disconnected form the water source. All safety equipment must be unmodified and fully functional. 3. Labels outside the chlorine storage building need to be legible and clear. 4. All piping process piping must be properly labeled with its contents and the direction of flow. 5. The door going into the chlorine storage room opens in the wrong direction. The door needs to open outward from the process and have panic hardware.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	12-26-2014
Citation:	19 CCR 4.5 2760.4(c) - California Code of Regulations, Title 19,

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Chapter 4.5, Section(s) 2760.4(c)
Violation Description: Failure to prepare a training record which contains: 1. Identity of the Employee; 2. Date of training; 3. Means used to verify that the employee understand the training.
Violation Notes: Returned to compliance on 07/09/2015. Training of employees is not sufficiently documented. Documentation does not identify the job task requirements and means used to verify understanding of training.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 12-26-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 02/25/2015. Training program in CERS is insufficient. Use the template located in Kern County Environmental Health web page and upload in CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 10-12-2017
Citation: 19 CCR 4.5 2760.12(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.12(c)
Violation Description: Failure to periodically evaluate the performance of the contract owner or operator in fulfilling the following: 1. Each contract employee is trained in the work practices necessary to safely perform his or her job. 2. Each contract employee is instructed in the known potential fire, explosion, or toxic release hazards related to his or her job and the process, and the applicable provisions of the emergency action plan. 3. Document that each contract employee has received and understood the training required by this section. 4. Prepare a record which contains Training record contains the identity of the contract employee, date of training, and the means used to verify that the employee understood the training. 5. Each contract employee follows the safety rules of the stationary source including the safe work practices required by Section 2760.3(d) (operating procedures). 6. Advise the owner or operator of any unique hazards presented by the contract owner or operatorG s work, or of any hazards found by the contract owner or operatorG s work.
Violation Notes: Returned to compliance on 03/26/2019. Perform a contractor evaluation on the chlorine supply company. At the time of the inspection a contractor qualification review had not been conducted for the chlorine supplier.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Violation Date:	12-16-2015
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 12/16/2015. Place lid on 5 gallon bucket.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	10-21-2016
Citation:	19 CCR 4.5 2760.5(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.5(b)
Violation Description:	Failure to establish and implement written procedures to maintain the on-going integrity of the process equipment.
Violation Notes:	Returned to compliance on 03/26/2019. The last time the regulators were rebuilt was in 2000. The manufacturer recommends the regulators be rebuilt every three years.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	01-16-2014
Citation:	HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description:	Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes:	Returned to compliance on 12/26/2014. Facility must conduct and log hazardous materials safety training
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	12-26-2014
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 02/25/2015. Update the hazardous materials inventory to reflect the removal of the toluene and waste oil. Correct the Business Activities in CERS to document no hazardous waste generation.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	12-26-2014

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Citation: 19 CCR 4.5 2760.2(e) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.2(e)
Violation Description: Failure to address the following in the Process Hazard Analysis: 1. Establish a system to promptly address the team's findings and recommendations; 2. Assure that the recommendations are resolved in a timely manner and that the resolution is documented; 3. Document what actions are to be taken; 4. Complete actions as soon as possible; 5. Develop a written schedule of when these actions are to be completed; 6. Actions are communicated to operating, maintenance and other employees whose work assignments are in the process and who may be affected by the recommendations or actions.
Violation Notes: Returned to compliance on 07/09/2015. Recommendations identified in the PHA have not been addressed. Document a response to the recommendations.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 03-30-2021
Citation: 19 CCR 4.5 2765.2(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2765.2(a)
Violation Description: Failure to develop, implement, and maintain at the stationary source an emergency response program that includes the following elements: 1. Procedures for informing and interfacing with the public and local emergency response agencies about accidental releases, emergency planning, and emergency response. 2. Documentation of proper first-aid and emergency medical treatment necessary to treat accidental human exposures. 3. Procedures and measures for emergency response after an accidental release of a regulated substance. 4. Procedures for the use of emergency response equipment and for its inspection, testing, and maintenance are developed by the stationary source. 5. Training for all employees in relevant procedures and relevant aspects of the Incident Command System. 6. Procedures to review and update the emergency response plan to reflect changes at the stationary source are developed and employees are informed of these changes.
Violation Notes: 1. Emergency response action guide #1 section VI and action guide #2 section XV does not provide information KCEH (CUPA) or Cal OES. The CUPA and Cal OES must be notified for all chlorine releases or chemical spills. 2. Agency notification information for the CUPA on page 22 of the emergency response plan is incorrect. The correct information is listed below. KCEH (CUPA) 24 Hr. Primary 661-549-9927 24 Hr. Secondary 661-549-9885
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 12-16-2015
Citation: 19 CCR 4.5 2760.1(d)(2) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.1(d)(2)
Violation Description: Failure to document that equipment complies with recognized and generally accepted good engineering practices.
Violation Notes: Returned to compliance on 03/26/2019. The chlorine system needs to be assesses with current requirements and best engineering practices. The

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

regulators should be attached to the chlorine cylinders and have auto shutoff system connected to the alarm system.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 01-16-2014
Citation: 19 CCR 4.5 2760.3(a)(1) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.3(a)(1)
Violation Description: Failure to develop and implement written operating procedures that address at least the following elements: 1. Initial startup; 2. Normal operations; 3. Temporary operations; 4. Emergency shutdown including the conditions under which emergency shutdown is required, and the assignment of shutdown responsibility to qualified operators to ensure that emergency shutdown is executed in a safe and timely manner; 5. Emergency operations; 6. Normal shutdown; 7. Startup following a turnaround, or after an emergency shutdown.
Violation Notes: Returned to compliance on 12/26/2014. The operating procedures must more fully designate when emergency shutdown procedures should be implemented (conditions) and responsibilities of qualified operators.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 12-16-2015
Citation: 19 CCR 4.5 2760.4(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.4(c)
Violation Description: Failure to establish and implement written procedures to maintain the on-going integrity of the process equipment.
Violation Notes: Returned to compliance on 03/26/2019. Develop a list of all chlorine equipment and apply preventative maintenance requirements from the manufactures. The current regulators have not been serviced in years and are required to be serviced every two years as per manufactures requirements.
Violation Division: Kern County Env Health Services Department
Violation Program: CalARP
Violation Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Violation Date: 01-16-2014
Citation: 19 CCR 4.5 2760.12(b) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.12(b)
Violation Description: Failure to perform the following: 1. Obtain and evaluate information regarding the contract owner or operatorG s safety performance and programs when selecting a contractor. 2. Inform the contract owner or operator of the known potential fire, explosion, or toxic release hazards related to the contractorG s work and the process. 3. Explain to the contract owner or operator the applicable provisions of Article 7 (Emergency Response Program). 4. Develop and implement safe work practices consistent with the Section 2760.3(d) (operating procedures), to control the entrance, presence, and exit of the contract owner or operator and contract employees in covered process

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

	areas.
Violation Notes:	Returned to compliance on 12/26/2014. The facility must either proivde training or determine that the contractor responsible for maintenance of the scrubber system is the safety risk associated with working in the vicinity of the covered process.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	12-26-2014
Citation:	19 CCR 4.5 2760.4(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.4(c)
Violation Description:	Failure to establish and implement written procedures to maintain the on-going integrity of the process equipment.
Violation Notes:	Returned to compliance on 07/09/2015. The regulators and ejectors have not been routinely serviced as required by manufacturer. Follow manufacturer's recommendations and establish a preventative maintenance schedule for the regulators, ejectors and all other applicable equipment.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	12-26-2014
Citation:	19 CCR 4.5 2760.3(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.3(c)
Violation Description:	Failure to certify annually that the operating procedures are current and accurate.
Violation Notes:	Returned to compliance on 07/09/2015. The operating procedures have not been certified. Document that SOPs are current and accurate. Secure master copy of current version of all SOPs.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	03-26-2019
Citation:	19 CCR 4.5 2760.8(a) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.8(a)
Violation Description:	Failure to certify that they have evaluated compliance with the provisions of 19 CCR 4.5 Article 6 at least every three years to verify that the procedures and practices developed under 19 CCR 4.5 are adequate and are being followed.
Violation Notes:	Returned to compliance on 04/25/2019. Compliance Audit was late by approximately 30 days. The operator was trying to coordinate dates. The original date will still be the due date 12-03-2021.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Violation Date:	01-16-2014
Citation:	HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description:	Failure to include provisions in the business plan to ensure that appropriate personnel receive initial and annual training.
Violation Notes:	Returned to compliance on 12/26/2014. A hazardous materials training program must be established
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	15147
Site Name:	CALIF CITY WASTEWATER TREATMENT PLA
Violation Date:	01-16-2014
Citation:	19 CCR 4.5 2760.5(c) - California Code of Regulations, Title 19, Chapter 4.5, Section(s) 2760.5(c)
Violation Description:	Failure to train each employee involved in maintaining the on-going integrity of process equipment on the following: 1. Overview of the process and its hazards. 2. Procedures applicable to the employeeG s job tasks to assure that the employee can perform the job tasks in a safe manner.
Violation Notes:	Returned to compliance on 12/26/2014. Facility must develop and follow a written training program for maintaining the on-going integrity of the process.
Violation Division:	Kern County Env Health Services Department
Violation Program:	CalARP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	NOT SUBJECT TO HAZ WASTE PERMIT. ALL WASTE HAS BEEN REMOVED TO CITY CORP YARD.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-30-2021
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-26-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: California City Wastewater Treatment Plant no longer stores used oil on site. The waste generator activity does not apply.
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-16-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 01-23-2014

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-30-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-21-2016
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-21-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: The facility currently has two repeat violations from the previous year. Both violations have been upgraded to a Class 1 violation. I was informed by Greg Fielding that the facility is looking at possibly getting rid of the chlorine gas and using a less hazardous water treatment chemical. In order to prevent the department from pursuing enforcement action the facility needs to either address the violations or establish a time frame for the chlorine removal. Please contact me at (661) 862-8730 if you have any questions or comments.
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	10-25-2013
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	12-26-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Review and update the incident investigation report form to ensure all the required information is included. Document all recommendations as complete and report is reviewed with all affected employees. Review and update the employee participation plan. Ensure that the compliance audit evaluates the procedures and practices as adequate and being followed. "No changes" in the system is not an evaluation.
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	01-15-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	CalARP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-16-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-26-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	CAL CITY
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	10-21-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 12-16-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: CalARP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-16-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-26-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Site Address: 10835 NELSON DR
Site City: CALIFORNIA CITY
Site Zip: 93505
Enf Action Date: 01-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: CalARP
Enf Action Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Site Address: 10835 NELSON DR

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Site City: CALIFORNIA CITY
Site Zip: 93505
Enf Action Date: 01-16-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Site Address: 10835 NELSON DR
Site City: CALIFORNIA CITY
Site Zip: 93505
Enf Action Date: 12-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: CalARP
Enf Action Source: CERS

Site ID: 15147
Site Name: CALIF CITY WASTEWATER TREATMENT PLA
Site Address: 10835 NELSON DR
Site City: CALIFORNIA CITY
Site Zip: 93505
Enf Action Date: 12-26-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:
Site ID: 15147
Facility Name: CALIF CITY WASTEWATER TREATMENT PLA
Env Int Type Code: CalARP
Program ID: 10234927
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.140500
Longitude: -117.936560

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: CITY OF CALIFORNIA CITY MAINT
Entity Title: Not reported
Affiliation Address: 21000 HACIENDA BLVD
Affiliation City: CALIFORNIA CITY
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93505
Affiliation Phone: (760) 373-7170

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Identification Signer
Entity Name:	Richard Vazquez
Entity Title:	CHIEF PLANT OPERATOR
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	Richard Vazquez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 373-3720

Affiliation Type Desc:	Property Owner
Entity Name:	City of California City
Entity Title:	Not reported
Affiliation Address:	10835 NELSON DR
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93505
Affiliation Phone:	(760) 373-7170

Affiliation Type Desc:	Environmental Contact
Entity Name:	Richard Vazquez
Entity Title:	Not reported
Affiliation Address:	21000 HACIENDA BLVD
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	CALIF CITY WASTEWATER TREATMENT PLA
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Richard Vazquez
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	21000 HACIENDA BLVD
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported

HWTS:

Name:	CALIFORNIA CITY WASTEWATER TREATMENT PLANT
Address:	10835 NELSON DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935051600
EPA ID:	CAL000349721
Inactive Date:	Not reported
Create Date:	02/03/2010
Last Act Date:	08/12/2020
Mailing Name:	Not reported
Mailing Address:	21000 HACIENDA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 935052259
Owner Name:	CITY OF CALIFORNIA CITY
Owner Address:	21000 HACIENDA BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 935052259
Contact Name:	GREG FIELDING
Contact Address:	21000 HACIENDA BLVD
Contact Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505

NAICS:

EPA ID:	CAL000349721
Create Date:	2010-02-03 13:00:28.950
NAICS Code:	22132
NAICS Description:	Sewage Treatment Facilities
Issued EPA ID Date:	2010-02-03 13:00:28.93700
Inactive Date:	Not reported
Facility Name:	CALIFORNIA CITY WASTEWATER TREATMENT PLANT
Facility Address:	10835 NELSON DR
Facility Address 2:	Not reported
Facility City:	CALIFORNIA CITY

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **S118231924**

Facility County: Not reported
Facility State: CA
Facility Zip: 935051600

AY408 **CITY OF CALIFORNIA CITY WWTP** **RCRA NonGen / NLR** **1025880943**
South **10835 NELSON DR** **CAP000206045**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 6 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

RCRA NonGen / NLR:

Date Form Received by Agency:	20100607
Handler Name:	CITY OF CALIFORNIA CITY WWTP
Handler Address:	10835 NELSON DR
Handler City,State,Zip:	CALIFORNIA CITY, CA 93505
EPA ID:	CAP000206045
Contact Name:	GREGORY E FIELDING
Contact Address:	10835 NELSON DR
Contact City,State,Zip:	CALIFORNIA CITY, CA 93505
Contact Telephone:	760-373-3720
Contact Fax:	Not reported
Contact Email:	GEF@CCIS.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Municipal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	21000 HACIENDA BLVD
Mailing City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner Name:	CITY OF CALIFORNIA CITY
Owner Type:	Municipal
Operator Name:	CITY OF CALIFORNIA CITY
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N

CITY OF CALIFORNIA CITY WWTP (Continued) **1025880943**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20101007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY OF CALIFORNIA CITY
Legal Status:	Municipal
Date Became Current:	19940901
Date Ended Current:	Not reported
Owner/Operator Address:	21000 HACIENDA BLVD
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	760-373-8661
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator

CITY OF CALIFORNIA CITY WWTP (Continued) **1025880943**

Owner/Operator Name:	CITY OF CALIFORNIA CITY
Legal Status:	Municipal
Date Became Current:	19940901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY OF CALIFORNIA CITY
Legal Status:	Municipal
Date Became Current:	19940901
Date Ended Current:	Not reported
Owner/Operator Address:	21000 HACIENDA BLVD
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	760-373-8661
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CITY OF CALIFORNIA CITY
Legal Status:	Municipal
Date Became Current:	19940901
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100607
Handler Name:	CITY OF CALIFORNIA CITY WWTP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20100302
Handler Name:	CITY OF CALIFORNIA CITY WWTP
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No

CITY OF CALIFORNIA CITY WWTP (Continued) **1025880943**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 22132
NAICS Description: SEWAGE TREATMENT FACILITIES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AY409 **CITY OF CALIFORNIA CITY WWTP** **RMP** **1011819381**
South **10835 NELSON DR.** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93305**
0.507 mi.
2677 ft. **Site 7 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

RMP:
Facility ID: 20918
Name: CITY OF CALIFORNIA CITY WWTP
Address: 10835 NELSON DR.
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA 93305
LEPC city: Region 5 LEPC Inland South
Facility decimal latitude: 35.140944
Facility decimal longitude: -117.934333
Is facility in county box: T
LatLong method: GO
LatLong description: PU
Home page web address: Not reported
Facility telephone: Not reported
Facility email: Not reported
Facility DUNS #: 0
Parents name: City of California City
Partners name: Not reported
Parents DUNS #: 0
Partners DUNS #: 0
Operators name: City of California City
Operators telephone: 7603733720
Operators address: 21000 Hacienda Blvd.
Operators City,St,Zip: California City, CA 93305
RMP implementation contact: Dan Allen
RMP contact title: Chief Plant Operator
Emergency contact: Dan Allen
Emergency contact title: Chief Plant Operator
Emergency contact telephone: 7603733720
24 hour emergency telephone: 7603734841
Emergency contact ext/pin #: Not reported
Number of full time employees: 3
EPA ID: Not reported
Facility ID provided by CEPPO: 100000168604

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819381**

Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: F
Is fac. covered by CAA Title V 112(2): F
Clean air op. permit/State ID: Not reported
Last safety insp. dat: 2000-01-27 00:00:00
Inspected by: State environmental agency
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: First Time
RMP description: Not reported
Facility has no accident hist. recs: False
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2000-04-07 00:00:00
Date of error Report: Not reported
Date RMP received: 2000-04-04 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: Commercial Software Vendor
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2000-03-29 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2005-03-29 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 1.2.4
FRS latitude: 35.140560000000001
FRS longitude: -117.93487
FRS Description: PLANT ENTRANCE (GENERAL)
FRS Method: ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:
ER plan most recent review date: 2000-03-15 00:00:00
ER plan most recent employee training date: 2000-03-15 00:00:00
Local agency coordinating ER plan: California City Fire Department
Telephone of the coordinating local agency: 7603734841
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 29451
Optional facility description: Not reported
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: Sewage Treatment Facilities

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819381**

Prevention Program 3:

Safety review date:	2000-03-15 00:00:00
Most recent PHA date:	2000-02-24 00:00:00
Process Hazard Analysis:	What if, Checklist
Expected PHA changes completion date:	2002-06-01 00:00:00
Major Hazard:	Toxic Release, Earthquake
Process Control:	Vents, Relief valves, Check valves, Scrubbers, Manual shutoffs, Alarms, Emergency power, Grounding equipment
Mitigation Systems:	Enclosure
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2000-03-15 00:00:00
Most recent training progs review/update:	2000-03-15 00:00:00
Training:	Classroom
Competency testing:	Written test, Oral test, Demonstration, Observation
Most recent maintenance review date:	2000-03-15 00:00:00
Most recent equipment inspection date:	2000-03-15 00:00:00
Equipment tested:	Pigtail connection to chlorine cylinder
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	2000-03-15 00:00:00
Date of pre-start review:	Not reported
Most recent compliance audit date:	2000-03-15 00:00:00
Expected date of audit completion:	2000-12-31 00:00:00
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2000-03-15 00:00:00
Date of hot work permit review:	2000-03-15 00:00:00
Date of contractor safety review:	2000-03-15 00:00:00
Date of contractor safety eval. review:	Not reported
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Enclosures
Active mitigation:	Scrubbers

Toxics Worst Case:

Percent weight of chemical:	Not reported

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819381**

Physical state:	a
Analytical basic:	EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Enclosures
Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000

AY410 **CITY OF CALIFORNIA CITY WWTP** **ECHO** **1026174201**
South **10835 NELSON DRIVE** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 8 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

ECHO:

Envid:	1026174201
Registry ID:	110002056195
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002056195
Name:	CITY OF CALIFORNIA CITY WWTP
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA 93505

AY411 **CALIFORNIA CITY WASTEWATER TREATMENT PLANT** **RCRA NonGen / NLR** **1024824959**
South **10835 NELSON DR** **CAL000349721**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 9 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

RCRA NonGen / NLR:

Date Form Received by Agency:	20100203
Handler Name:	CALIFORNIA CITY WASTEWATER TREATMENT PLANT
Handler Address:	10835 NELSON DR
Handler City,State,Zip:	CALIFORNIA CITY, CA 93505-1600
EPA ID:	CAL000349721
Contact Name:	GREG FIELDING
Contact Address:	21000 HACIENDA BLVD
Contact City,State,Zip:	CALIFORNIA CITY, CA 93505
Contact Telephone:	760-373-3720
Contact Fax:	760-373-1067
Contact Email:	GEF@CALIFORNIACITY.COM
Contact Title:	Not reported
EPA Region:	09

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **1024824959**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	21000 HACIENDA BLVD
Mailing City,State,Zip:	CALIFORNIA CITY, CA 93505-2259
Owner Name:	CITY OF CALIFORNIA CITY
Owner Type:	Other
Operator Name:	GREG FIELDING
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **1024824959**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	GREG FIELDING
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	21000 HACIENDA BLVD
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	760-373-3720
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY OF CALIFORNIA CITY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	21000 HACIENDA BLVD
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505-2259
Owner/Operator Telephone:	760-373-3720
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100203
Handler Name:	CALIFORNIA CITY WASTEWATER TREATMENT PLANT
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	22132
NAICS Description:	SEWAGE TREATMENT FACILITIES

CALIFORNIA CITY WASTEWATER TREATMENT PLANT (Continued) **1024824959**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

AY412 **CALIFORNIA CITY WASTEWATER TREATMENT PLANT** **FINDS** **1024689457**
South **10835 NELSON DR** **ECHO** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 10 of 15 in cluster AY**

Actual:
2322 ft.

FINDS:
Registry ID: 110070477851

Focus Map:
20

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1024689457
Registry ID: 110070477851
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070477851
Name: CALIFORNIA CITY WASTEWATER TREATMENT PLANT
Address: 10835 NELSON DR
City,State,Zip: CALIFORNIA CITY, CA 93505

AY413 **CALIFORNIA CITY CS** **FINDS** **1023266164**
South **10835 NELSON** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 11 of 15 in cluster AY**

Actual:
2322 ft.

FINDS:
Registry ID: 110065557212

Focus Map:
20

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AY414 **CITY OF CALIFORNIA CITY WWTP** **FINDS** **1017432939**
South **10835 NELSON DRIVE** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 12 of 15 in cluster AY**

Actual:
2322 ft.

FINDS:
Registry ID: 110002056195

Focus Map:
20

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AY415 **CITY OF CALIFORNIA CITY WWTP** **HAZNET** **S113468571**
South **10835 NELSON DR** **WDR** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505** **CIWQS**
0.507 mi. **HWTS**
2677 ft. **Site 13 of 15 in cluster AY**

Actual:
2322 ft.

HAZNET:

Name:	CITY OF CALIFORNIA CITY WWTP
Address:	10835 NELSON DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
Contact:	GREGORY E FIELDING
Telephone:	7603733720
Mailing Name:	Not reported
Mailing Address:	21000 HACIENDA BLVD
Year:	2010
Gepaid:	CAP000206045
TSD EPA ID:	CAD008488025
CA Waste Code:	122 - Alkaline solution without metals pH >= 12.5
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	4.17

Additional Info:

Year:	2010
Gen EPA ID:	CAP000206045
Shipment Date:	20100329
Creation Date:	6/10/2010 18:30:25
Receipt Date:	20100329
Manifest ID:	005720832JJK
Trans EPA ID:	CAD072953771

CITY OF CALIFORNIA CITY WWTP (Continued) **S113468571**

Trans Name:	UNITED PUMPING SERVICE INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO-TECH INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

WDR:

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA 93595
Global ID:	WDR100029631
Status:	ACTIVE - WDR

CIWQS:

Name:	CALIFORNIA CITY WTF
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA 93595
Agency:	California City
Agency Address:	21000 Hacienda Boulevard, California City, CA 93505
Place/Project Type:	Wastewater Treatment Facility
SIC/NAICS:	4952
Region:	SB
Program:	SLIC, WDRMUNILRG
Regulatory Measure Status:	Active
Regulatory Measure Type:	Co-Permitee
Order Number:	2020-0015-DWQ
WDID:	6B150118001
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	07/09/2020
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	1
Violations within 5 years:	13
Latitude:	35.14196
Longitude:	-117.935665

CITY OF CALIFORNIA CITY WWTP (Continued) **S113468571**

HWTS:

Name:	CITY OF CALIFORNIA CITY WWTP
Address:	10835 NELSON DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
EPA ID:	CAP000206045
Inactive Date:	04/27/2011
Create Date:	10/28/2010
Last Act Date:	10/28/2010
Mailing Name:	Not reported
Mailing Address:	21000 HACIENDA BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 935050000
Owner Name:	CITY OF CALIFORNIA CITY WWTP
Owner Address:	10835 NELSON DR
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 935050000
Contact Name:	GREGORY E FIELDING
Contact Address:	10835 NELSON DR
Contact Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000

AY416 **CITY OF CALIFORNIA CITY WWTP** **RMP** **1011819382**
South **10835 NELSON DRIVE** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 14 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

RMP:

Facility ID:	30780
Name:	CITY OF CALIFORNIA CITY WWTP
Address:	10835 NELSON DRIVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.142222
Facility decimal longitude:	-117.935833
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	City of California City
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	City of California City
Operators telephone:	7603733720
Operators address:	21000 Hacienda Blvd.
Operators City,St,Zip:	California City, CA 93505
RMP implementation contact:	Gregory E. Fielding
RMP contact title:	Senior Plant Operator
Emergency contact:	Gregory E. Fielding
Emergency contact title:	Senior Plant Operator
Emergency contact telephone:	7603733720

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

24 hour emergency telephone: 7603734841
Emergency contact ext/pin #: Not reported
Number of full time employees: 2
EPA ID: Not reported
Facility ID provided by CEPPO: 100000168604
Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: F
Is fac. covered by CAA Title V 112(2): F
Clean air op. permit/State ID: Not reported
Last safety insp. dat: 2003-01-23 00:00:00
Inspected by: State environmental agency
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Not reported
Facility has no accident hist. recs: True
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2004-06-28 00:00:00
Date of error Report: Not reported
Date RMP received: 2004-06-04 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2004-06-02 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2009-06-02 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.1
FRS latitude: 35.140560000000001
FRS longitude: -117.93487
FRS Description: PLANT ENTRANCE (GENERAL)
FRS Method: ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:
ER plan most recent review date: 2003-01-23 00:00:00
ER plan most recent employee training date: 2003-09-24 00:00:00
Local agency coordinating ER plan: California City Fire Department
Telephone of the coordinating local agency: 7603734841
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 44734

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Optional facility description:	Not reported
Program level:	3
Record contains CBI data:	False

Process NAICS:

NAICS code description:	Sewage Treatment Facilities

Prevention Program 3:

Safety review date:	2003-01-23 00:00:00
Most recent PHA date:	2000-02-14 00:00:00
Process Hazard Analysis:	What if, Checklist
Expected PHA changes completion date:	Not reported
Major Hazard:	Toxic Release, Earthquake
Process Control:	Vents, Relief valves, Check valves, Scrubbers, Manual shutoffs, Alarms, Emergency power, Grounding equipment
Mitigation Systems:	Enclosure
Monitoring/Detection:	Process area detector
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2003-01-23 00:00:00
Most recent training progs review/update:	2003-01-23 00:00:00
Training:	Not reported
Competency testing:	Oral test, Demonstration, Observation
Most recent maintenance review date:	2004-04-29 00:00:00
Most recent equipment inspection date:	2004-04-29 00:00:00
Equipment tested:	Pigtail connection and chlorine system integrity.
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	2003-01-23 00:00:00
Date of pre-start review:	Not reported
Most recent compliance audit date:	2003-01-23 00:00:00
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2003-01-23 00:00:00
Date of hot work permit review:	2003-01-23 00:00:00
Date of contractor safety review:	2003-01-23 00:00:00
Date of contractor safety eval. review:	Not reported
Record has CBI data:	False

Process Chemicals:

Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA’s RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Environmental receptors:	Not reported
Passive mitigation:	Enclosures
Active mitigation:	Scrubbers

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Enclosures

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	4000

Facility ID:	1000040127
Name:	CITY OF CALIFORNIA CITY WWTP
Address:	10835 NELSON DRIVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.142222
Facility decimal longitude:	-117.935833
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	City of California City
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	City of California City
Operators telephone:	7603733720
Operators address:	21000 Hacienda Blvd.
Operators City,St,Zip:	California City, CA 93505
RMP implementation contact:	Gregory E. Fielding
RMP contact title:	Senior Plant Operator
Emergency contact:	Gregory E. Fielding
Emergency contact title:	Senior Plant Operator
Emergency contact telephone:	7603733720
24 hour emergency telephone:	7605594941

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Emergency contact ext/pin #:	Not reported
Number of full time employees:	3
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000168604
Is facility covered by OSHA PSM:	T
Is facility covered by EPCRA 302:	F
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2014-01-16 00:00:00
Inspected by:	State environmental agency
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission
RMP description:	Not reported
Facility has no accident hist. recs:	False
Foreign owner's address:	Not reported
Foreign owner's zip:	Not reported
Foreign owner's country:	Not reported
Claim # of employees as CBI:	False
Date RMP accepted by EPA:	2014-04-04 00:00:00
Date of error Report:	Not reported
Date RMP received:	2014-04-04 00:00:00
Does RMP contain graphics files:	False
Does RMP contain attachments:	False
Was certification letter received:	True
RMP submission method:	RMP*eSubmit
Does RMP contain CBI substantiation:	False
Does RMP contain electronic waiver:	False
Date RMP postmarked:	2014-04-04 00:00:00
Is RMP complete:	True
Date of de-registration:	Not reported
Date de-registration is effective:	Not reported
Aniversary date:	2019-04-04 00:00:00
Does RMP contain CBI data:	False
Does RMP contain unsanitized CBI version:	False
RMP version #:	1.0
FRS latitude:	35.140560000000001
FRS longitude:	-117.93487
FRS Description:	PLANT ENTRANCE (GENERAL)
FRS Method:	ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:

ER plan most recent review date:	2013-07-03 00:00:00
ER plan most recent employee training date:	2013-09-18 00:00:00
Local agency coordinating ER plan:	California City Fire Department
Telephone of the coordinating local agency:	7603734841
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

Processes:

Process ID:	1000049500
Optional facility description:	Not reported

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: Sewage Treatment Facilities

Prevention Program 3:
Safety review date: 2013-07-03 00:00:00
Most recent PHA date: 2012-07-18 00:00:00
Process Hazard Analysis: What if, Checklist, What if checklist
Expected PHA changes completion date: Not reported
Major Hazard: Toxic Release, Equipment failure, Earthquake
Process Control: Vents, Relief valves, Check valves, Scrubbers, Manual shutoffs, Alarms, Emergency power, Grounding equipment
Mitigation Systems: Enclosure, Scrubber
Monitoring/Detection: Process area detector
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2013-07-16 00:00:00
Most recent training progs review/update: 2013-12-13 00:00:00
Training: Not reported
Competency testing: Oral test, Demonstration, Observation
Most recent maintenance review date: 2014-04-03 00:00:00
Most recent equipment inspection date: 2014-04-03 00:00:00
Equipment tested: Entire chlorination system integrity and mechanical.
Most recent changes by mgmt: 2012-07-20 00:00:00
Date of most recent review/update: 2013-07-11 00:00:00
Date of pre-start review: 2013-07-11 00:00:00
Most recent compliance audit date: 2012-07-18 00:00:00
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2014-01-16 00:00:00
Date of hot work permit review: 2013-07-25 00:00:00
Date of contractor safety review: 2013-07-11 00:00:00
Date of contractor safety eval. review: Not reported
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: 100
Physical state: a
Analytical basic: EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Passive mitigation:	Enclosures
Active mitigation:	Scrubbers

Toxics Worst Case:

Percent weight of chemical:	100
Physical state:	a
Analytical basic:	EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Enclosures

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	8000

Facility ID:	32829
Name:	CITY OF CALIFORNIA CITY WWTP
Address:	10835 NELSON DRIVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.142222
Facility decimal longitude:	-117.935833
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	City of California City
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	City of California City
Operators telephone:	7603733720
Operators address:	21000 Hacienda Blvd.
Operators City,St,Zip:	California City, CA 93505
RMP implementation contact:	Gregory E. Fielding
RMP contact title:	Senior Plant Operator
Emergency contact:	Gregory E. Fielding
Emergency contact title:	Senior Plant Operator
Emergency contact telephone:	7603733720
24 hour emergency telephone:	7603734841
Emergency contact ext/pin #:	Not reported

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Number of full time employees: 2
EPA ID: Not reported
Facility ID provided by CEPPO: 100000168604
Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: F
Is fac. covered by CAA Title V 112(2): F
Clean air op. permit/State ID: Not reported
Last safety insp. dat: 2003-01-23 00:00:00
Inspected by: State environmental agency
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Correction
RMP description: Not reported
Facility has no accident hist. recs: True
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2004-07-16 00:00:00
Date of error Report: Not reported
Date RMP received: 2004-06-18 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*Submit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2004-06-17 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2009-06-02 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 3.1
FRS latitude: 35.140560000000001
FRS longitude: -117.93487
FRS Description: PLANT ENTRANCE (GENERAL)
FRS Method: ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:
ER plan most recent review date: 2003-01-23 00:00:00
ER plan most recent employee training date: 2003-09-24 00:00:00
Local agency coordinating ER plan: California City Fire Department
Telephone of the coordinating local agency: 7603734841
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 47416
Optional facility description: Not reported
Program level: 3

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Record contains CBI data: False

Process NAICS:
NAICS code description: Sewage Treatment Facilities

Prevention Program 3:
Safety review date: 2003-01-23 00:00:00
Most recent PHA date: 2000-02-14 00:00:00
Process Hazard Analysis: What if, Checklist
Expected PHA changes completion date: Not reported
Major Hazard: Toxic Release, Earthquake
Process Control: Vents, Relief valves, Check valves, Scrubbers, Manual shutoffs, Alarms, Emergency power, Grounding equipment
Mitigation Systems: Enclosure
Monitoring/Detection: Process area detector
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2003-01-23 00:00:00
Most recent training progs review/update: 2003-01-23 00:00:00
Training: Not reported
Competency testing: Oral test, Demonstration, Observation
Most recent maintenance review date: 2004-04-29 00:00:00
Most recent equipment inspection date: 2004-04-29 00:00:00
Equipment tested: Pigtail connection and chlorine system integrity.
Most recent changes by mgmt: Not reported
Date of most recent review/update: 2003-01-23 00:00:00
Date of pre-start review: Not reported
Most recent compliance audit date: 2003-01-23 00:00:00
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2003-01-23 00:00:00
Date of hot work permit review: 2003-01-23 00:00:00
Date of contractor safety review: 2003-01-23 00:00:00
Date of contractor safety eval. review: Not reported
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: Not reported
Physical state: a
Analytical basic: EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Enclosures

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Active mitigation:	Scrubbers

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Enclosures

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	8000

Facility ID:	1000000606
Name:	CITY OF CALIFORNIA CITY WWTP
Address:	10835 NELSON DRIVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.142222
Facility decimal longitude:	-117.935833
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	City of California City
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	City of California City
Operators telephone:	7603733720
Operators address:	21000 Hacienda Blvd.
Operators City,St,Zip:	California City, CA 93505
RMP implementation contact:	Gregory E. Fielding
RMP contact title:	Senior Plant Operator
Emergency contact:	Gregory E. Fielding
Emergency contact title:	Senior Plant Operator
Emergency contact telephone:	7603733720
24 hour emergency telephone:	7605594941
Emergency contact ext/pin #:	Not reported
Number of full time employees:	3

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

EPA ID: Not reported
Facility ID provided by CEPPO: 100000168604
Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: F
Is fac. covered by CAA Title V 112(2): F
Clean air op. permit/State ID: Not reported
Last safety insp. dat: 2007-06-28 00:00:00
Inspected by: State environmental agency
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Not reported
Facility has no accident hist. recs: False
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2009-04-30 00:00:00
Date of error Report: Not reported
Date RMP received: 2009-04-30 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2009-04-30 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2014-04-30 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 1.0
FRS latitude: 35.140560000000001
FRS longitude: -117.93487
FRS Description: PLANT ENTRANCE (GENERAL)
FRS Method: ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:
ER plan most recent review date: 2008-07-07 00:00:00
ER plan most recent employee training date: 2006-11-15 00:00:00
Local agency coordinating ER plan: California City Fire Department
Telephone of the coordinating local agency: 7603734841
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 1000000753
Optional facility description: Not reported
Program level: 3
Record contains CBI data: False

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Process NAICS:
NAICS code description: Sewage Treatment Facilities

Prevention Program 3:
Safety review date: 2008-08-01 00:00:00
Most recent PHA date: 2007-11-29 00:00:00
Process Hazard Analysis: What if, Checklist, What if checklist
Expected PHA changes completion date: Not reported
Major Hazard: Toxic Release, Earthquake
Process Control: Vents, Relief valves, Check valves, Scrubbers, Manual shutoffs, Alarms, Emergency power, Grounding equipment
Mitigation Systems: Enclosure, Scrubber
Monitoring/Detection: Process area detector
Changes since the last process hazard analysis: No changes since last PHA
Most recent review of op. procedures: 2008-12-05 00:00:00
Most recent training progs review/update: 2008-08-01 00:00:00
Training: Not reported
Competency testing: Oral test, Demonstration, Observation
Most recent maintenance review date: 2009-04-15 00:00:00
Most recent equipment inspection date: 2009-04-15 00:00:00
Equipment tested: Entire chlorination system integrity and mechanical.
Most recent changes by mgmt: Not reported
Date of most recent review/update: 2008-07-22 00:00:00
Date of pre-start review: 2008-07-22 00:00:00
Most recent compliance audit date: 2008-02-26 00:00:00
Expected date of audit completion: Not reported
Most recent incident investigation: Not reported
Expected date of investigation changes: Not reported
Date of participation plan review: 2008-07-22 00:00:00
Date of hot work permit review: 2008-08-01 00:00:00
Date of contractor safety review: 2008-07-22 00:00:00
Date of contractor safety eval. review: Not reported
Record has CBI data: False

Process Chemicals:
Chemical name: Public OCA Chemical
Process chemical qty in 100s lbs: 0

Toxics Alt Releases:
Percent weight of chemical: Not reported
Physical state: a
Analytical basic: EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario: Not reported
Quantity released in pounds: Not reported
Release duration in minutes: Not reported
Release rate in pounds per second: Not reported
Wind speed in meters/second: 3
Stability class: D
Topography: b
Distance to endpoint in miles: Not reported
Residential population: Not reported
Public receptors: Not reported
Environmental receptors: Not reported
Passive mitigation: Enclosures
Active mitigation: Scrubbers

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Toxics Worst Case:

Percent weight of chemical:	Not reported
Physical state:	a
Analytical basic:	EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Enclosures

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	8000

Facility ID:	1000075623
Name:	CITY OF CALIFORNIA CITY WWTP
Address:	10835 NELSON DRIVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
LEPC city:	Region 5 LEPC Inland South
Facility decimal latitude:	35.142222
Facility decimal longitude:	-117.935833
Is facility in county box:	T
LatLong method:	I2
LatLong description:	PU
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	Not reported
Facility DUNS #:	0
Parents name:	City of California City
Partners name:	Not reported
Parents DUNS #:	0
Partners DUNS #:	0
Operators name:	City of California City
Operators telephone:	7603733720
Operators address:	21000 Hacienda Blvd.
Operators City,St,Zip:	California City, CA 93505
RMP implementation contact:	Gregory E. Fielding
RMP contact title:	Senior Plant Operator
Emergency contact:	Gregory E. Fielding
Emergency contact title:	Senior Plant Operator
Emergency contact telephone:	7603733720
24 hour emergency telephone:	7605594941
Emergency contact ext/pin #:	Not reported
Number of full time employees:	3
EPA ID:	Not reported
Facility ID provided by CEPPO:	100000168604

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Is facility covered by OSHA PSM: T
Is facility covered by EPCRA 302: F
Is fac. covered by CAA Title V 112(2): F
Clean air op. permit/State ID: Not reported
Last safety insp. dat: 2014-01-16 00:00:00
Inspected by: State environmental agency
Is it OSHA approved with star/merit ranking: False
Will RMP involve predictive filing: False
Submission type: Resubmission
RMP description: Not reported
Facility has no accident hist. recs: False
Foreign owner's address: Not reported
Foreign owner's zip: Not reported
Foreign owner's country: Not reported
Claim # of employees as CBI: False
Date RMP accepted by EPA: 2019-02-01 00:00:00
Date of error Report: Not reported
Date RMP received: 2019-02-01 00:00:00
Does RMP contain graphics files: False
Does RMP contain attachments: False
Was certification letter received: True
RMP submission method: RMP*eSubmit
Does RMP contain CBI substantiation: False
Does RMP contain electronic waiver: False
Date RMP postmarked: 2019-02-01 00:00:00
Is RMP complete: True
Date of de-registration: Not reported
Date de-registration is effective: Not reported
Aniversary date: 2024-02-01 00:00:00
Does RMP contain CBI data: False
Does RMP contain unsanitized CBI version: False
RMP version #: 1.0
FRS latitude: 35.140560000000001
FRS longitude: -117.93487
FRS Description: PLANT ENTRANCE (GENERAL)
FRS Method: ADDRESS MATCHING-HOUSE NUMBER

Emergency Responses:
ER plan most recent review date: 2019-01-04 00:00:00
ER plan most recent employee training date: 2019-01-04 00:00:00
Local agency coordinating ER plan: California City Fire Department
Telephone of the coordinating local agency: 7603734841
Federal regulation: True
OSHA 1910 120: False
SPCC: False
RCRA: False
OPA 90: False
EPCRA: True
Other Regulations: Not reported

Processes:
Process ID: 1000094160
Optional facility description: Not reported
Program level: 3
Record contains CBI data: False

Process NAICS:
NAICS code description: Sewage Treatment Facilities

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Prevention Program 3:

Safety review date:	2019-01-04 00:00:00
Most recent PHA date:	2019-01-21 00:00:00
Process Hazard Analysis:	What if, Checklist, What if checklist
Expected PHA changes completion date:	Not reported
Major Hazard:	Toxic Release, Equipment failure, Earthquake
Process Control:	Vents, Relief valves, Check valves, Scrubbers, Manual shutoffs, Alarms, Emergency power, Grounding equipment
Mitigation Systems:	Enclosure, Scrubber
Monitoring/Detection:	Process area detector
Changes since the last process hazard analysis:	No changes since last PHA
Most recent review of op. procedures:	2019-01-04 00:00:00
Most recent training progs review/update:	2019-01-04 00:00:00
Training:	Not reported
Competency testing:	Oral test, Demonstration, Observation
Most recent maintenance review date:	2019-01-04 00:00:00
Most recent equipment inspection date:	2019-01-04 00:00:00
Equipment tested:	Entire chlorination system integrity and mechanical.
Most recent changes by mgmt:	2012-07-20 00:00:00
Date of most recent review/update:	2013-07-11 00:00:00
Date of pre-start review:	2019-01-04 00:00:00
Most recent compliance audit date:	2019-01-21 00:00:00
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	2019-01-04 00:00:00
Date of hot work permit review:	2019-01-04 00:00:00
Date of contractor safety review:	2019-01-04 00:00:00
Date of contractor safety eval. review:	Not reported
Record has CBI data:	False

Process Chemicals:

Chemical name:	Chlorine
Process chemical qty in 100s lbs:	8000
Chemical name:	Public OCA Chemical
Process chemical qty in 100s lbs:	0

Toxics Alt Releases:

Percent weight of chemical:	100
Physical state:	a
Analytical basic:	EPA’s RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	Not reported
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	3
Stability class:	D
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Enclosures
Active mitigation:	Scrubbers

CITY OF CALIFORNIA CITY WWTP (Continued) **1011819382**

Toxics Worst Case:

Percent weight of chemical:	100
Physical state:	a
Analytical basic:	EPA's RMP Guidance for Waste Water Treatment Plants Reference Tables or Equations
Scenario:	Not reported
Quantity released in pounds:	Not reported
Release duration in minutes:	10
Release rate in pounds per second:	Not reported
Wind speed in meters/second:	1.5
Stability class:	F
Topography:	b
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Enclosures

AY417 **CALIFORNIA CITY CS** **ENF S111084702**
South **10835 NELSON DRIVE** **CIWQS N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.507 mi.
2677 ft. **Site 15 of 15 in cluster AY**

Actual:
2322 ft.

Focus Map:
20

ENF:

Name:	CALIFORNIA CITY CS
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA 93505
Region:	Not reported
Facility Id:	630829
Agency Name:	California City
Place Type:	Utility
Place Subtype:	Collection_System
Facility Type:	Municipal/Domestic
Agency Type:	City Agency
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	3

CALIFORNIA CITY CS (Continued) **S111084702**

Complexity:	C
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	SSOMUNISML
Program Category1:	SSO
Program Category2:	SSO
# Of Programs:	1
WDID:	6SSO11135
Reg Measure Id:	301323
Reg Measure Type:	Enrollee
Region:	Not reported
Order #:	2006-0003-DWQ
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	872
Status:	Active
Status Date:	11/26/2014
Effective Date:	08/03/2006
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Y
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	388095
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	04/10/2012
Adoption/Issuance Date:	04/10/2012
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	NOV 10-APR-12 for CALIFORNIA CITY
Description:	Failure to complete, approve, and certify any of the required Sewer System Management Plan (SSMP) elements in CIWQS on time.
Program:	SSOMUNISML
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0

CALIFORNIA CITY CS (Continued) **S111084702**

Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

CIWQS:

Name:	CALIFORNIA CITY CS
Address:	10835 NELSON DRIVE
City,State,Zip:	CALIFORNIA CITY, CA 93505
Agency:	California City
Agency Address:	21000 Hacienda Boulevard, California City, CA 93505
Place/Project Type:	Collection_System
SIC/NAICS:	Not reported
Region:	6V
Program:	SSOMUNISML
Regulatory Measure Status:	Active
Regulatory Measure Type:	Enrollee
Order Number:	2006-0003-DWQ
WDID:	6SSO11135
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	08/03/2006
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	C
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

---

418 **EDWARDS AIR FORCE BASE - 5 - AOC 421** **MCS** **S110167744**
ESE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.520 mi.
2743 ft.

Actual:
2308 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 421
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100110600
Latitude:	34.99574
Longitude:	-117.8733
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 365
LOC Case Number:	100052 -- 365
File Location:	Not reported
Potential Media Affect:	Not reported

EDWARDS AIR FORCE BASE - 5 - AOC 421 (Continued) **S110167744**

EDR Link ID: DOD100110600
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

---

419 **EDWARDS AIR FORCE BASE - 5 - AOC 289** **MCS** **S110168102**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.520 mi.
2745 ft.

Actual:
2312 ft.

Focus Map:
48

MCS:
Name: EDWARDS AIR FORCE BASE - 5 - AOC 289
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Global Id: DOD100113800
Latitude: 34.99078
Longitude: -117.8792
Case Type: Military Cleanup Site
Status: Open - Inactive
Status Date: 04/05/2010
Lead Agency: LAHONTAN RWQCB (REGION 6V)
Caseworker: AP
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number: 166-60 -- 333
LOC Case Number: 100052 -- 333
File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: DOD100113800
Potential Contaminants of Concern: Not reported
Site History: Not reported

Click here to access the California GeoTracker records for this facility:

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420 **19097 PED PATH BORON DESERT LAKE** **CIWQS** **S126249701**
North **TWENTY MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.531 mi.
2805 ft.

Actual:
2470 ft.

Focus Map:
52

CIWQS:
Name: 19097 PED PATH BORON DESERT LAKE
Address: TWENTY MULE TEAM RD
City,State,Zip: BORON, CA 93516
Agency: County of Kern Public Works
Agency Address: 2700 M Street Suite 400, Bakersfield, CA 93301
Place/Project Type: Construction - Transportation
SIC/NAICS: Not reported
Region: 6V
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 6B15C390297
NPDES Number: CAS000002

19097 PED PATH BORON DESERT LAKE (Continued) **S126249701**

Adoption Date:	Not reported
Effective Date:	05/18/2020
Termination Date:	02/25/2021
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.999274
Longitude:	-117.644657

AZ421 **KNOTTS TEXACO SERVICE** **CA FID UST** **S101620895**
North **27195 20 M T RD** **N/A**
1/2-1 **BORON, CA 93516**
0.537 mi.
2833 ft. **Site 1 of 17 in cluster AZ**

Actual:
2470 ft.

Focus Map:
52

CA FID UST:

Facility ID:	15004804
Regulated By:	UTNKA
Regulated ID:	00024209
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	6197626233
Mail To:	Not reported
Mailing Address:	27195 20 M T RD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BORON 93516
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

---

422 **U S BORAX INC** **US MINES** **1016467621**
North **N/A**
1/2-1 **KERN (County), CA**
0.540 mi.
2849 ft.

Actual:
2389 ft.

Focus Map:
51

US MINES:

Sic Code(s):	147401
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Sic Code(s):	000000
Mine ID:	0400743
Entity Name:	BORON OPERATIONS
Company:	U S BORAX INC
Status:	Full-Time Permanent
Status Date:	19751008

U S BORAX INC (Continued) **1016467621**

Operation Class:	2
Number of Shops:	0
Number of Plants:	0
Latitude Degree:	35
Longitude Degree:	117
Latitude Minute:	01
Latitude Seconds:	19
Longitude Minutes:	42
Longitude Seconds:	11
Number of Pits:	000

BA423 **1X J.C. FENNEL AND SONS** **HAZNET** **S123748449**
North **27401 TWENTY MULE TEAM ROAD** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.541 mi.
2858 ft. **Site 1 of 8 in cluster BA**

Actual:
2476 ft.

Focus Map:
53

HAZNET:

Name:	1X J.C. FENNEL AND SONS
Address:	27401 TWENTY MULE TEAM ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	J.C. FENNEL
Telephone:	6197625319
Mailing Name:	Not reported
Mailing Address:	26800 JOHN STREET
Year:	1992
Gepaid:	CAC000824288
TSD EPA ID:	CAD980883177
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	1.251

HWTS:

Name:	1X J.C. FENNEL AND SONS
Address:	27401 TWENTY MULE TEAM ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC000824288
Inactive Date:	10/25/2000
Create Date:	09/28/1992
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	26800 JOHN STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	J.C. FENNEL AND SONS
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	J.C. FENNEL
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

BA424 **J C FENNELL & SONS** **CA FID UST** **S101582282**
North **27401 20 MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.541 mi.
2858 ft. **Site 2 of 8 in cluster BA**

Actual:
2476 ft.

Focus Map:
53

CA FID UST:

Facility ID:	15000491
Regulated By:	UTNKI
Regulated ID:	00009336
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	6197625319
Mail To:	Not reported
Mailing Address:	26800 JOHN ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BORON 93516
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

BA425 **FENNELL & SON'S GARAGE & SERVICE** **UST** **U004113255**
North **27401 20 MULE TEAM RD** **N/A**
1/2-1 **BORON, CA**
0.541 mi.
2858 ft. **Site 3 of 8 in cluster BA**

Actual:
2476 ft.

Focus Map:
53

KERN CO. UST:

Name:	FENNELL & SON'S GARAGE & SERVICE
Address:	27401 20 MULE TEAM RD
City:	BORON
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	560007
Owner Name:	FENNELL, J C
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

BA426 **JC FENNEL & SONS** **LUST** **S102431881**
North **27401 20 MULE TEAM RD** **SWEEPS UST** **N/A**
1/2-1 **BORON, CA 93516** **HIST CORTESE**
0.541 mi.
2858 ft. **Site 4 of 8 in cluster BA**

Actual:
2476 ft.

Focus Map:
53

LUST Region 6V:

Name:	JC FENNEL & SONS
Address:	27401 20 MULE TEAM RD
City:	BORON
Region:	6V
Case Number:	6B1500443T
Leak Record:	Not reported
Report Date:	11/4/1992
Reported By Address:	Not reported
Responsible Party:	JC FENNEL
Operator:	JC FENNEL
Cross Street:	KOSTOPOULIS
Local Agency:	15000L
Regional Board:	6V
Chemical:	Gasoline
Case Type:	Undefined
Funding:	Not reported
Enforce Type:	N
How Found:	Tank Closure
How Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T0602900888
Stop Date:	5/27/1989
Leak Confirm:	Not reported
Submit Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	Not reported
Discovered:	10/15/1992
Enforce Date:	1/1/1965
Review Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
MTBE class:	*
Max MTBE Grnd Wtr:	Not reported
Max MTBE Soil:	Not reported
MTBE Counts:	0
MTBE Fuel:	1
MTBE Tested:	NT
Organization Name:	Not reported
Status:	Not reported
Contact:	Not reported
Interim Action:	Not reported
Pilot Program:	LUST
Lat/Long:	35 / -117.640074
Staff Initials:	GDC
Local Agency Staff:	AEG
Lead Agency:	Local Agency
Summary:	Not reported

JC FENNEL & SONS (Continued) **S102431881**

Basin Number: ANTELOPE VALLEY (6-4
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: 560007
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 18378.60189
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

SWEEPS UST:
Name: J C FENNELL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
Status: Not reported
Comp Number: 9336
Number: Not reported
Board Of Equalization: 44-005766
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-009336-000001
Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 3

Name: J C FENNELL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
Status: Not reported
Comp Number: 9336
Number: Not reported
Board Of Equalization: 44-005766
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-009336-000002
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: J C FENNELL & SONS
Address: 27401 20 MULE TEAM RD

JC FENNEL & SONS (Continued) **S102431881**

City:	BORON
Status:	Not reported
Comp Number:	9336
Number:	Not reported
Board Of Equalization:	44-005766
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-009336-000003
Tank Status:	Not reported
Capacity:	6000
Active Date:	Not reported
Tank Use:	M.V. FUEL
STG:	PRODUCT
Content:	REG UNLEADED
Number Of Tanks:	Not reported

HIST CORTESE:

edr_fname:	JC FENNEL & SONS
edr_fadd1:	27401 20 MULE TEAM
City,State,Zip:	BORON, CA 93516
Region:	CORTESE
Facility County Code:	15
Reg By:	LTNKA
Reg Id:	6B1500443T

BA427 **JC FENNEL & SONS** **RGA LUST** **S114637019**
North **27401 20 MULE TEAM RD** **N/A**
1/2-1 **BORON, CA**
0.541 mi.
2858 ft. **Site 5 of 8 in cluster BA**

Actual:
2476 ft.

Focus Map:
53

RGA LUST:

Name:	JC FENNEL & SONS		
Address:	27401 20 MULE TEAM RD		
City:	BORON		
State:	BORON		
	2012	JC FENNEL & SONS	27401 20 MULE TEAM RD
Name:	JC FENNEL & SONS		
Address:	27401 20 MULE TEAM RD		
City:	BORON		
State:	BORON		
	2011	JC FENNEL & SONS	27401 20 MULE TEAM RD
Name:	JC FENNEL & SONS		
Address:	27401 20 MULE TEAM RD		
City:	BORON		
State:	BORON		
	2010	JC FENNEL & SONS	27401 20 MULE TEAM RD
Name:	JC FENNEL & SONS		
Address:	27401 20 MULE TEAM RD		
City:	BORON		
State:	BORON		
	2009	JC FENNEL & SONS	27401 20 MULE TEAM RD
Name:	JC FENNEL & SONS		
Address:	27401 20 MULE TEAM RD		
City:	BORON		

JC FENNEL & SONS (Continued) **S114637019**

State: BORON
2008 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
2007 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
2006 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
2005 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
2003 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
2002 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
2001 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
2000 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
1998 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
1997 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
1996 JC FENNEL & SONS 27401 20 MULE TEAM RD
Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
1995 JC FENNEL & SONS 27401 20 MULE TEAM RD

JC FENNEL & SONS (Continued) **S114637019**

Name: JC FENNEL & SONS
Address: 27401 20 MULE TEAM RD
City: BORON
State: BORON
1994 JC FENNEL & SONS 27401 20 MULE TEAM RD

BA428 **FORMER JC FENNEL & SONS** **FINDS** **1023309206**
North **27401 20 MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.541 mi.
2858 ft. **Site 6 of 8 in cluster BA**

Actual:
2476 ft.

FINDS:
Registry ID: 110066019114

Focus Map:
53

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BA429 **JC FENNELL & SONS GARAGE (FORMER)** **LUST** **S122356254**
North **27401 20 MULE TEAM RD** **Cortese** **N/A**
1/2-1 **BORON, CA 93516** **CERS**
0.541 mi.
2858 ft. **Site 7 of 8 in cluster BA**

Actual:
2476 ft.

LUST:

Name:	JC FENNELL & SONS GARAGE (FORMER)
Address:	27401 20 MULE TEAM RD
City,State,Zip:	BORON, CA 93516
Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900888
Global Id:	T0602900888
Latitude:	34.999386374472
Longitude:	-117.642455801605
Status:	Open - Site Assessment
Status Date:	10/18/2017
Case Worker:	KO
RB Case Number:	6B1500443T
Local Agency:	Not reported
File Location:	All Files are on GeoTracker or in the Local Agency Database
Local Case Number:	Not reported
Potential Media Affect:	Aquifer used for drinking water supply, Soil, Soil Vapor, Under Investigation
Potential Contaminants of Concern:	Benzene, Diesel, Ethylbenzene, Gasoline, Naphthalene, Toluene, Total Petroleum Hydrocarbons (TPH), Xylene
Site History:	The case was opened following an unauthorized release from an underground storage tank system at the subject site. Corrective action is underway as overseen by the Lahontan Regional Water Quality Control Board. Corrective action may consist of preliminary site investigation, planning and implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab.

JC FENNELL & SONS GARAGE (FORMER) (Continued) **S122356254**

All Lahontan Regional Water Quality Control Board files are on GeoTracker.

LUST:
Global Id: T0602900888
Contact Type: Regional Board Caseworker
Contact Name: KERRI O'KEEFE
Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BVLD.
City: SOUTH LAKE TAHOE
Email: kerri.okeefe@waterboards.ca.gov
Phone Number: 5305425473

LUST:
Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 11/04/1994
Action: Technical Correspondence / Assistance / Other

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 01/12/2006
Action: Referral to Regional Board

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 02/05/2018
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 09/24/2019
Action: Email Correspondence

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 11/15/2019
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 03/12/2020
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 08/03/2020
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 08/12/2019
Action: Email Correspondence

Global Id: T0602900888
Action Type: Other
Date: 10/15/1992

JC FENNELL & SONS GARAGE (FORMER) (Continued) **S122356254**

Action: Leak Discovery

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 09/05/2014
Action: Clean Up Fund - Letter to RP

Global Id: T0602900888
Action Type: RESPONSE
Date: 09/11/1992
Action: Tank Removal Report / UST Sampling Report

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 03/09/2018
Action: Email Correspondence

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 02/28/2018
Action: Email Correspondence

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 10/23/1992
Action: Notice to Comply

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 09/28/1995
Action: Notice to Comply

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 10/29/2002
Action: Notice to Comply

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 01/25/2019
Action: Email Correspondence

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 10/15/1992
Action: Unauthorized Release Form

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 05/24/2019
Action: Clean Up Fund - Letter to RP

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 05/18/2020
Action: Staff Letter

JC FENNELL & SONS GARAGE (FORMER) (Continued) **S122356254**

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 01/12/2006
Action: Referral to Regional Board

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 09/05/2008
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 02/27/2013
Action: Notice to Comply

Global Id: T0602900888
Action Type: RESPONSE
Date: 11/29/2019
Action: Correspondence - Regulator Responded

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 05/09/2018
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 03/19/2018
Action: Notice to Comply

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 04/01/2020
Action: Verbal Communication

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 03/10/2020
Action: Deadline Extension

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 07/23/2020
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 07/27/2018
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 10/11/2019
Action: Verbal Communication

Global Id: T0602900888
Action Type: Other

JC FENNELL & SONS GARAGE (FORMER) (Continued) **S122356254**

Date: 05/27/1989
Action: Leak Stopped

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0602900888
Action Type: RESPONSE
Date: 04/19/2015
Action: Email Correspondence

Global Id: T0602900888
Action Type: RESPONSE
Date: 01/20/2020
Action: Correspondence - Regulator Responded

Global Id: T0602900888
Action Type: RESPONSE
Date: 11/04/2019
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0602900888
Action Type: RESPONSE
Date: 07/31/2020
Action: Soil and Water Investigation Workplan - Regulator Responded

Global Id: T0602900888
Action Type: RESPONSE
Date: 04/09/2020
Action: Preliminary Site Assessment Report - Regulator Responded

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 02/01/2019
Action: Letter - Notice

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 03/14/1993
Action: Notice to Comply

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 01/12/2004
Action: Notice to Comply

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 03/15/2019
Action: Verbal Enforcement

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 04/01/2016
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

JC FENNELL & SONS GARAGE (FORMER) (Continued) **S122356254**

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 04/22/2020
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: Letter - Notice

Global Id: T0602900888
Action Type: RESPONSE
Date: 10/29/1992
Action: Correspondence

Global Id: T0602900888
Action Type: RESPONSE
Date: 06/17/2020
Action: Correspondence

Global Id: T0602900888
Action Type: RESPONSE
Date: 02/12/2002
Action: Correspondence

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 01/22/2016
Action: Clean Up Fund - Letter to RP

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 11/04/1992
Action: Unauthorized Release Form

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 03/05/2002
Action: Notice to Comply

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 11/11/2003
Action: Notice to Comply

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 11/14/2018
Action: Staff Letter

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 07/02/2019
Action: Verbal Communication

Global Id: T0602900888
Action Type: Other

JC FENNELL & SONS GARAGE (FORMER) (Continued) **S122356254**

Date: 11/04/1992
Action: Leak Reported

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 02/17/2010
Action: Staff Letter

Global Id: T0602900888
Action Type: RESPONSE
Date: 03/14/2018
Action: Other Report / Document

Global Id: T0602900888
Action Type: RESPONSE
Date: 07/08/2019
Action: Email Correspondence

Global Id: T0602900888
Action Type: RESPONSE
Date: 03/09/2018
Action: Correspondence

Global Id: T0602900888
Action Type: RESPONSE
Date: 04/16/2018
Action: Email Correspondence

Global Id: T0602900888
Action Type: RESPONSE
Date: 03/02/2018
Action: Correspondence

Global Id: T0602900888
Action Type: ENFORCEMENT
Date: 04/08/2013
Action: File review

Global Id: T0602900888
Action Type: RESPONSE
Date: 05/02/2019
Action: Other Report / Document

LUST:
Global Id: T0602900888
Status: Open
Status Date: 05/27/1989

Global Id: T0602900888
Status: Open - Case Begin Date
Status Date: 05/27/1989

Global Id: T0602900888
Status: Open - Inactive
Status Date: 05/27/1989

Global Id: T0602900888

JC FENNELL & SONS GARAGE (FORMER) (Continued) **S122356254**

Status: Open - Site Assessment
Status Date: 05/27/1989

Global Id: T0602900888
Status: Open - Site Assessment
Status Date: 10/18/2017

CORTESE:
Name: JC FENNELL & SONS GARAGE (FORMER)
Address: 27401 20 MULE TEAM RD
City,State,Zip: BORON, CA 93516
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0602900888
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: OPEN - SITE ASSESSMENT
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: JC FENNELL & SONS GARAGE (FORMER)
Address: 27401 20 MULE TEAM RD
City,State,Zip: BORON, CA 93516
Site ID: 244265
CERS ID: T0602900888
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: KERRI O'KEEFE - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BVLD.
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5305425473

BA430 **J.C. FENNEL & SONS** **RGA LUST** **S114636307**
North **27401 20 MULE TEAM ROAD** **N/A**
1/2-1 **BORON, CA**
0.541 mi.
2858 ft. **Site 8 of 8 in cluster BA**

Actual: RGA LUST:
2476 ft.
Name: J.C. FENNEL & SONS
Focus Map: Address: 27401 20 MULE TEAM ROAD
53 City: BORON
State: BORON
1993 J.C. FENNEL & SONS 27401 20 MULE TEAM ROAD

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431 **EDWARDS AIR FORCE BASE - 5 - AOC 195** **MCS** **S110168332**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.542 mi.
2860 ft.

Actual: MCS:
2309 ft.

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 195
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100100900
Latitude:	34.99308
Longitude:	-117.8757
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 462
LOC Case Number:	100052 -- 462
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100100900
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Focus Map: **48**

Click here to access the California GeoTracker records for this facility:

BB432 **EDWARDS AIR FORCE BASE - 5 - SITE 422** **MCS** **S110167555**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.545 mi.
2878 ft. **Site 1 of 2 in cluster BB**

Actual: MCS:
2309 ft.

Name:	EDWARDS AIR FORCE BASE - 5 - SITE 422
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100147500
Latitude:	34.99106
Longitude:	-117.8782
Case Type:	Military Cleanup Site
Status:	Open - Verification Monitoring
Status Date:	04/29/2010

Focus Map: **48**

EDWARDS AIR FORCE BASE - 5 - SITE 422 (Continued) **S110167555**

Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 5
LOC Case Number:	100052 -- 5
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100147500
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

AZ433 **ELIZABETH DYSON PROPERTY** **UST** **U004150044**
North **27201 TWENTY MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.548 mi.
2891 ft. **Site 2 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

KERN CO. UST:

Name:	ELIZABETH DYSON PROPERTY
Address:	27201 TWENTY MULE TEAM RD
City:	BORON
Region:	Kern
Facility ID:	FA0032205
CERSID:	Not reported
Owner Id:	Not reported
Owner Name:	Not reported
Tank Num:	Not reported
Tank Capacity:	750
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	Not reported
Install Date:	01/01/1970
Date of Closure:	11/17/2008
Billing Status:	Inactive, non-billable
Mailing Address:	PO BOX 181
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	TEHACHAPI, CA 93516

Tank Num:	Not reported
Tank Capacity:	500
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	Not reported
Install Date:	01/01/1970
Date of Closure:	11/17/2008
Billing Status:	Inactive, non-billable
Mailing Address:	PO BOX 181
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	TEHACHAPI, CA 93516

AZ434 **ELIZABETH DYSON** **HAZNET** **S112978680**
North **27201 20 MULE TEAM RD** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.548 mi.
2891 ft. **Site 3 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

HAZNET:

Name:	ELIZABETH DYSON
Address:	27201 20 MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161730
Contact:	ELIZABETH DYSON
Telephone:	6618224971
Mailing Name:	Not reported
Mailing Address:	PO BOX 181
Year:	2009
Gepaid:	CAC002643574
TSD EPA ID:	CAL000282598
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	16.856

Additional Info:

Year:	2009
Gen EPA ID:	CAC002643574
Shipment Date:	20090629
Creation Date:	7/31/2009 18:30:45
Receipt Date:	20090629
Manifest ID:	005955594JJK
Trans EPA ID:	CAD982513632
Trans Name:	DENBESTE TRANSPORTATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000282598
Trans Name:	BTI - BAKERSFIELD TRANSFER INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ELIZABETH DYSON
Address:	27201 20 MULE TEAM RD
Address 2:	Not reported

ELIZABETH DYSON (Continued) **S112978680**

City,State,Zip:	BORON, CA 935161730
EPA ID:	CAC002643574
Inactive Date:	12/20/2009
Create Date:	06/22/2009
Last Act Date:	01/20/2010
Mailing Name:	Not reported
Mailing Address:	PO BOX 181
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TEHACHAPI, CA 935810181
Owner Name:	ELIZABETH DYSON
Owner Address:	PO BOX 181
Owner Address 2:	Not reported
Owner City,State,Zip:	TEHACHAPI, CA 935810181
Contact Name:	ELIZABETH DYSON
Contact Address:	PO BOX 181
Contact Address 2:	Not reported
City,State,Zip:	TEHACHAPI, CA 935810181

AZ435 **STEVE & RANDY'S AUTOMOTIVE REPAIR** **HWTS** **S124829757**
North **27201 TWENTY MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.548 mi.
2891 ft. **Site 4 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

HWTS:

Name:	STEVE & RANDY'S AUTOMOTIVE REPAIR
Address:	27201 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAL000229879
Inactive Date:	06/30/2003
Create Date:	10/03/2001
Last Act Date:	04/19/2004
Mailing Name:	Not reported
Mailing Address:	27201 TWENTY MULE TEAM RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	RANDY LARSON
Owner Address:	27201 TWENTY MULE TEAM RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935160000
Contact Name:	RANDY LARSON/PRTN
Contact Address:	27201 TWENTY MULE TEAM RD
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000

NAICS:

EPA ID:	CAL000229879
Create Date:	2002-03-14 16:36:29.000
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2001-10-03 00:00:00
Inactive Date:	2003-06-30 00:00:00
Facility Name:	STEVE & RANDY'S AUTOMOTIVE REPAIR
Facility Address:	27201 TWENTY MULE TEAM RD
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported

STEVE & RANDY'S AUTOMOTIVE REPAIR (Continued) **S124829757**

Facility State: CA
Facility Zip: 935160000

AZ436 **ROSENDO & EYNA NAVARRETE** **CUPA Listings** **S123608763**
North **27195 TWENTY MULE TEAM RD** **HAZNET** **N/A**
1/2-1 **BORON, CA 93516** **HWTS**
0.549 mi.
2900 ft. **Site 5 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

KERN CO CUPA:

Facility ID:	FA0002920
CERS ID:	10234093
Name:	BORON SERVICE STATION
Address:	27195 TWENTY MULE TEAM RD
Address 2:	27195 TWENTY MULE TEAM RD
City,State,Zip:	BORON, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN MED LOW RISK 1 UNIT
Program Element Code:	CB2T
HMIRRP Due Date:	Not reported
Current Inspection Date:	8/1/2011
Employee:	CUPA 3
Mailing Address:	27195 TWENTY MULE TEAM RD
Mailing Address 2:	Not reported
Mailing City:	BORON
Mailing State:	CA
Mailing Zip:	93516

HAZNET:

Name:	ROSENDO & EYNA NAVARRETE
Address:	27195 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	AARON KOOP
Telephone:	6615737171
Mailing Name:	Not reported
Mailing Address:	12601 JASMINE AVE
Year:	2017
Gepaid:	CAC002899589
TSD EPA ID:	CAL000282598
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.693

Additional Info:

Year:	2017
Gen EPA ID:	CAC002899589
Shipment Date:	20170317
Creation Date:	5/25/2017 18:31:01
Receipt Date:	20170317
Manifest ID:	016881720JJK
Trans EPA ID:	CAL000268462

ROSENDO & EYNA NAVARRETE (Continued) **S123608763**

Trans Name:	CSI - COLES ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAL000282598
Trans Name:	BTI (BAKERSFIELD TRANSFER INC)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.693
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ROSENDO & EYNA NAVARRETE
Address:	27195 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002899589
Inactive Date:	08/04/2017
Create Date:	03/01/2017
Last Act Date:	08/04/2017
Mailing Name:	Not reported
Mailing Address:	12601 JASMINE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 93312
Owner Name:	ROSENDO & EYNA NAVARRETE
Owner Address:	27195 TWENTY MULE TEAM RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	AARON KOOP
Contact Address:	12601 JASMINE AVE
Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 93312

AZ437 **JIMMY'S LUBE AND DETAIL** **HAZNET** **S123579880**
North **27195 TWENTY MULE TEAM RD** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.549 mi.
2900 ft. **Site 6 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

HAZNET:

Name:	JIMMY'S LUBE AND DETAIL
Address:	27195 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	MARK JENNINGS-MGR
Telephone:	7607620121
Mailing Name:	Not reported
Mailing Address:	27195 TWENTY MULE TEAM RD

JIMMY'S LUBE AND DETAIL (Continued) **S123579880**

Year:	1999
Gepaid:	CAC002113304
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.57

Additional Info:

Year:	1999
Gen EPA ID:	CAC002113304
Shipment Date:	19990513
Creation Date:	7/19/1999 0:00:00
Receipt Date:	19990521
Manifest ID:	99194671
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	JIMMY'S LUBE AND DETAIL
Address:	27195 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC002113304
Inactive Date:	10/25/2000
Create Date:	05/11/1999
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	27195 TWENTY MULE TEAM RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	FRANK MATLOCK
Owner Address:	25830 CHERRY HILL DR
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935160000
Contact Name:	MARK JENNINGS-MGR
Contact Address:	27195 TWENTY MULE TEAM RD
Contact Address 2:	Not reported

JIMMY'S LUBE AND DETAIL (Continued) **S123579880**

City,State,Zip: BORON, CA 935160000

AZ438 **JIMMY'S LUBE AND DETAIL** **RGA LUST** **S114637570**
North **27195 TWENTY MULE TEAM R** **N/A**
1/2-1 **BORON, CA**
0.549 mi.
2900 ft. **Site 7 of 17 in cluster AZ**

Actual: **2469 ft.**
Focus Map: **52**

RGA LUST:
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM R
City: BORON
State: BORON
2002 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM R

AZ439 **JIMMY'S LUBE AND DETAIL** **LUST** **S103880579**
North **27195 TWENTY MULE TEAM RD** **SWEEPS UST** **N/A**
1/2-1 **BORON, CA 93516** **Cortese**
0.549 mi. **ENF**
2900 ft. **Site 8 of 17 in cluster AZ** **HIST CORTESE**

Actual: **2469 ft.**
Focus Map: **52**

LUST Region 6V:

Name:	JIMMY'S LUBE AND DETAIL
Address:	27195 TWENTY MULE TEAM RD
City:	BORON
Region:	6V
Case Number:	6B1500951T
Leak Record:	6/10/1999
Report Date:	6/2/1999
Reported By Address:	Not reported
Responsible Party:	FRANK MATLOCK
Operator:	MARK JENNINGS
Cross Street:	JAMES STREET
Local Agency:	15000L
Regional Board:	6V
Chemical:	Gasoline
Case Type:	Undefined
Funding:	Not reported
Enforce Type:	NONE
How Found:	OM
How Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T0602901008
Stop Date:	5/13/1999
Leak Confirm:	Not reported
Submit Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	5/13/1999
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	Not reported
Discovered:	5/13/1999
Enforce Date:	Not reported
Review Date:	6/10/1999

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
MTBE Counts: 0
MTBE Fuel: 1
MTBE Tested: NT
Organization Name: Not reported
Status: Pollution Characterization
Contact: Not reported
Interim Action: Not reported
Pilot Program: LUST
Lat/Long: 34.9995918 / -117.6459732
Staff Initials: GDC
Local Agency Staff: SBC
Lead Agency: Local Agency
Summary: Not reported
Basin Number: ANTELOPE VALLEY (6-4
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: 560004
Amount: Not reported
Abate Method: Other
Water System: Not reported
Well Name: Not reported
Distance: 16573.6654
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

LUST:
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City,State,Zip: BORON, CA 93516
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602901008
Global Id: T0602901008
Latitude: 34.9996462243008
Longitude: -117.646236419678
Status: Completed - Case Closed
Status Date: 01/26/2012
Case Worker: TML
RB Case Number: 6B1500951T
Local Agency: KERN COUNTY
File Location: Not reported
Local Case Number: 560004
Potential Media Affect: Under Investigation
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0602901008
Contact Type: Regional Board Caseworker
Contact Name: TAMMY LUNDQUIST

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BLVD.
City: SOUTH LAKE TAHOE
Email: tammy.lundquist@waterboards.ca.gov
Phone Number: 5305425400

Global Id: T0602901008
Contact Type: Local Agency Caseworker
Contact Name: VICKY Furnish
Organization Name: KERN COUNTY
Address: 2700 M ST STE 300
City: BAKERSFIELD
Email: furnishv@co.kern.ca.us
Phone Number: Not reported

LUST:
Global Id: T0602901008
Action Type: Other
Date: 05/13/1999
Action: Leak Discovery

Global Id: T0602901008
Action Type: RESPONSE
Date: 03/24/2003
Action: Soil and Water Investigation Report

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 10/15/2002
Action: Technical Correspondence / Assistance / Other

Global Id: T0602901008
Action Type: RESPONSE
Date: 03/05/2012
Action: Well Destruction Report

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 04/15/2003
Action: * No Action

Global Id: T0602901008
Action Type: RESPONSE
Date: 03/21/2003
Action: Soil and Water Investigation Report

Global Id: T0602901008
Action Type: RESPONSE
Date: 10/03/2000
Action: Preliminary Site Assessment Workplan

Global Id: T0602901008
Action Type: RESPONSE
Date: 07/29/1999
Action: Tank Removal Report / UST Sampling Report

Global Id: T0602901008

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

Action Type: RESPONSE
Date: 12/10/2001
Action: Preliminary Site Assessment Report

Global Id: T0602901008
Action Type: Other
Date: 05/13/1999
Action: Leak Stopped

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 10/15/2002
Action: Staff Letter

Global Id: T0602901008
Action Type: RESPONSE
Date: 12/30/2009
Action: Request for Closure

Global Id: T0602901008
Action Type: RESPONSE
Date: 10/13/2011
Action: Verbal Communication

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: Letter - Notice

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 06/01/2010
Action: Technical Correspondence / Assistance / Other

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0602901008
Action Type: RESPONSE
Date: 03/04/2011
Action: Correspondence

Global Id: T0602901008
Action Type: RESPONSE
Date: 09/07/2011
Action: Correspondence

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 04/19/2011
Action: Staff Letter

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 12/08/2011

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

Action: Staff Letter

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 01/26/2012
Action: Closure/No Further Action Letter

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 11/30/2011
Action: Verbal Enforcement

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 05/24/2000
Action: Staff Letter

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 07/20/2011
Action: Verbal Enforcement

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 05/18/2000
Action: Clean Up Fund - Letter to RP

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 08/09/2011
Action: Staff Letter

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 10/04/2011
Action: Staff Letter

Global Id: T0602901008
Action Type: Other
Date: 06/02/1999
Action: Leak Reported

Global Id: T0602901008
Action Type: RESPONSE
Date: 05/27/2011
Action: Other Workplan

Global Id: T0602901008
Action Type: RESPONSE
Date: 11/05/2011
Action: Risk Assessment Report

Global Id: T0602901008
Action Type: RESPONSE
Date: 12/31/2011
Action: Other Report / Document

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 02/03/2009
Action: Staff Letter

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 11/19/2009
Action: 13267 Requirement

Global Id: T0602901008
Action Type: ENFORCEMENT
Date: 11/12/2000
Action: Staff Letter

LUST:
Global Id: T0602901008
Status: Open - Case Begin Date
Status Date: 05/13/1999

Global Id: T0602901008
Status: Open - Site Assessment
Status Date: 05/13/1999

Global Id: T0602901008
Status: Completed - Case Closed
Status Date: 01/26/2012

SWEEPS UST:
Name: BORON TEXACO
Address: 27195 TWENTY MULE TEAM RD
City: BORON
Status: Active
Comp Number: 24209
Number: 2
Board Of Equalization: 44-006052
Referral Date: 09-29-93
Action Date: 04-11-94
Created Date: 09-30-89
Owner Tank Id: 1
SWRCB Tank Id: 15-000-024209-000001
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 4

Name: BORON TEXACO
Address: 27195 TWENTY MULE TEAM RD
City: BORON
Status: Active
Comp Number: 24209
Number: 2

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

Board Of Equalization: 44-006052
Referral Date: 09-29-93
Action Date: 04-11-94
Created Date: 09-30-89
Owner Tank Id: 2
SWRCB Tank Id: 15-000-024209-000002
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: BORON TEXACO
Address: 27195 TWENTY MULE TEAM RD
City: BORON
Status: Active
Comp Number: 24209
Number: 2
Board Of Equalization: 44-006052
Referral Date: 09-29-93
Action Date: 04-11-94
Created Date: 09-30-89
Owner Tank Id: 3
SWRCB Tank Id: 15-000-024209-000003
Tank Status: A
Capacity: 1000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: BORON TEXACO
Address: 27195 TWENTY MULE TEAM RD
City: BORON
Status: Active
Comp Number: 24209
Number: 2
Board Of Equalization: 44-006052
Referral Date: 09-29-93
Action Date: 04-11-94
Created Date: 09-30-89
Owner Tank Id: 4
SWRCB Tank Id: 15-000-024209-000004
Tank Status: A
Capacity: 5000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

CORTESE:
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

City,State,Zip:	BORON, CA 93516
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0602901008
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

ENF:

Name:	FORMER JIMMY'S LUBE
Address:	27195 TWENTY MULE TEAM ROAD
City,State,Zip:	BORON, CA
Region:	Not reported
Facility Id:	750952
Agency Name:	Not reported
Place Type:	Facility
Place Subtype:	Groundwater Cleanup Site
Facility Type:	Not reported
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	Not reported
SIC Desc 1:	Not reported
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	TANKS
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	373532
Region:	Not reported
Order / Resolution Number:	R6V-2009-0053
Enforcement Action Type:	13267 Letter
Effective Date:	11/19/2009
Adoption/Issuance Date:	11/19/2009
Achieve Date:	Not reported
Termination Date:	Not reported
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Active
Title:	13267 Order Former Jimmy's Lube- 11/19/2009
Description:	High concentrations of gasoline constituents in soils beneath the site.
Program:	UST
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

JIMMY'S LUBE AND DETAIL (Continued) **S103880579**

HIST CORTESE:
edr_fname: JIMMY'S LUBE AND DETAIL
edr_fadd1: 27195 TWENTY MULE TEAM
City,State,Zip: BORON, CA
Region: CORTESE
Facility County Code: 15
Reg By: LTNKA
Reg Id: 6B1500951T

AZ440 **JIMMY'S LUBE AND DETAIL** **RGA LUST** **S114637571**
North **27195 TWENTY MULE TEAM RD** **N/A**
1/2-1 **BORON, CA**
0.549 mi.
2900 ft. **Site 9 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

RGA LUST:
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2012 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2011 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2010 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2009 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2008 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2007 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2006 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2005 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL

JIMMY'S LUBE AND DETAIL (Continued) **S114637571**

Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2003 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2001 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City: BORON
State: BORON
2000 JIMMY'S LUBE AND DETAIL 27195 TWENTY MULE TEAM RD

AZ441 **JIMMY'S LUBE AND DETAIL** **CERS** **S112898054**
North **27195 TWENTY MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.549 mi.
2900 ft. **Site 10 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

CERS:
Name: JIMMY'S LUBE AND DETAIL
Address: 27195 TWENTY MULE TEAM RD
City,State,Zip: BORON, CA 93516
Site ID: 248867
CERS ID: T0602901008
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: VICKY Furnish - KERN COUNTY
Entity Title: Not reported
Affiliation Address: 2700 M ST STE 300
Affiliation City: BAKERSFIELD
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TAMMY LUNDQUIST - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD.
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5305425400

AZ442
North
1/2-1
0.549 mi.
2900 ft.

JIMMY'S LUBE AND DETAIL
27195 TWENTY MULE TEAM RD
BORON, CA 93516

Site 11 of 17 in cluster AZ

FINDS **1023279270**
N/A

Actual:
2469 ft.

FINDS:
Registry ID: 110065698123

Focus Map:
52

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AZ443
North
1/2-1
0.549 mi.
2900 ft.

BORON SERVICE STATION
27195 TWENTY MULE TEAM RD
BORON, CA 93516

Site 12 of 17 in cluster AZ

FINDS **1023218804**
N/A

Actual:
2469 ft.

FINDS:
Registry ID: 110065048585

Focus Map:
52

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

AZ444
North
1/2-1
0.549 mi.
2900 ft.

BORON SERVICE STATION
27195 20 MULETEAM RD
BORON, CA 93516

Site 13 of 17 in cluster AZ

EDR Hist Auto **1020140481**
N/A

Actual:
2469 ft.

EDR Hist Auto

Focus Map:
52

Year:	Name:	Type:
1983	KNOTTS TEXACO	Gasoline Service Stations
1985	KNOTTS TEXACO	Gasoline Service Stations
1986	KNOTTS TEXACO	Gasoline Service Stations
1987	KNOTTS TEXACO	Gasoline Service Stations
1988	KNOTTS TEXACO	Gasoline Service Stations
1989	DENNISS TEXACO	Gasoline Service Stations
1989	KNOTTS TEXACO	Gasoline Service Stations
1990	KNOTTS TEXACO	Gasoline Service Stations
1991	KNOTTS TEXACO	Gasoline Service Stations
1991	DENNISS TEXACO	Gasoline Service Stations
1992	KNOTTS TEXACO	Gasoline Service Stations
1992	DENNISS TEXACO	Gasoline Service Stations
1993	DENNISS TEXACO	Gasoline Service Stations
1993	KNOTTS TEXACO	Gasoline Service Stations
2001	BORON SERVICE STATIO	Gasoline Service Stations
2002	BORON SERVICE STATIO	Gasoline Service Stations
2003	BORON SERVICE STATION	Gasoline Service Stations
2004	BORON SERVICE STATION	Gasoline Service Stations

BORON SERVICE STATION (Continued) **1020140481**

2005	BORON SERVICE STATION	Gasoline Service Stations
2006	BORON SERVICE STATION	Gasoline Service Stations
2007	BORON SERVICE STATION	Gasoline Service Stations
2008	BORON SERVICE STATION	Gasoline Service Stations
2009	BORON SERVICE STATION	Gasoline Service Stations
2010	BORON SERVICE STATION	Gasoline Service Stations
2011	BORON SERVICE STATION	Gasoline Service Stations
2012	BORON SERVICE STATION	Gasoline Service Stations
2013	BORON SERVICE STATION	Gasoline Service Stations
2014	BORON SERVICE STATION	Gasoline Service Stations

AZ445 **TEXACO REFINING AND MARKETING INC** **HWTS** **S124772000**
North **27195 TWENTY MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.549 mi.
2900 ft. **Site 14 of 17 in cluster AZ**

Actual: **2469 ft.**
Focus Map: **52**

HWTS:

Name:	TEXACO REFINING AND MARKETING INC
Address:	27195 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAL000032966
Inactive Date:	06/30/1996
Create Date:	05/10/1990
Last Act Date:	08/18/1999
Mailing Name:	EH&S
Mailing Address:	10 UNIVERSAL CITY PLAZA 7TH FLOOR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	UNIVERSAL CITY, CA 916081009
Owner Name:	TEXACO REFINING AND MARKETING
Owner Address:	10 UNIVERSAL CITY PLAZA 7TH FLOOR
Owner Address 2:	Not reported
Owner City,State,Zip:	UNIVERSAL CITY, CA 916081009
Contact Name:	ED DINKFELD-DEACT V96/97 -PH
Contact Address:	10 UNIVERSAL CITY PLAZA 7TH FLOOR
Contact Address 2:	Not reported
City,State,Zip:	UNIVERSAL CITY, CA 916081009

AZ446 **BORON SERVICE STATION** **HWTS** **S124834650**
North **27195 20 MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.549 mi.
2900 ft. **Site 15 of 17 in cluster AZ**

Actual: **2469 ft.**
Focus Map: **52**

HWTS:

Name:	BORON SERVICE STATION
Address:	27195 20 MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAL000251604
Inactive Date:	06/30/2003
Create Date:	05/07/2002
Last Act Date:	04/19/2004
Mailing Name:	Not reported
Mailing Address:	27195 20 MULE TEAM RD

BORON SERVICE STATION (Continued) **S124834650**

Mailing Address 2: Not reported
Mailing City,State,Zip: BORON, CA 93516
Owner Name: ALICE & FRANK MATLOCK
Owner Address: 27195 20 MULE TEAM RD
Owner Address 2: Not reported
Owner City,State,Zip: BORON, CA 93516
Contact Name: ALICE MATLOCK
Contact Address: 27195 20 MULE TEAM RD
Contact Address 2: Not reported
City,State,Zip: BORON, CA 93516

NAICS:
EPA ID: CAL000251604
Create Date: 2002-05-07 14:32:57.403
NAICS Code: 44719
NAICS Description: Other Gasoline Stations
Issued EPA ID Date: 2002-05-07 14:32:57.37300
Inactive Date: 2003-06-30 00:00:00
Facility Name: BORON SERVICE STATION
Facility Address: 27195 20 MULE TEAM RD
Facility Address 2: Not reported
Facility City: BORON
Facility County: Not reported
Facility State: CA
Facility Zip: 93516

AZ447 **BORON SERVICE STATION** **HWTS** **S124847107**
North **27195 20 MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.549 mi.
2900 ft. **Site 16 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

HWTS:
Name: BORON SERVICE STATION
Address: 27195 20 MULE TEAM RD
Address 2: Not reported
City,State,Zip: BORON, CA 93516
EPA ID: CAL000276768
Inactive Date: 06/30/2006
Create Date: 12/05/2003
Last Act Date: 05/25/2007
Mailing Name: Not reported
Mailing Address: 27195 20 MULE TEAM RD
Mailing Address 2: Not reported
Mailing City,State,Zip: BORON, CA 93516
Owner Name: MICHAEL M TROTH
Owner Address: 27195 20 MULE TEAM RD
Owner Address 2: Not reported
Owner City,State,Zip: BORON, CA 93516
Contact Name: MICHAEL TROTH
Contact Address: 27195 20 MULE TEAM RD
Contact Address 2: Not reported
City,State,Zip: BORON, CA 93516

NAICS:
EPA ID: CAL000276768
Create Date: 2003-12-05 12:36:31.970
NAICS Code: 44719

BORON SERVICE STATION (Continued) **S124847107**

NAICS Description:	Other Gasoline Stations
Issued EPA ID Date:	2003-12-05 12:36:31.92700
Inactive Date:	2006-06-30 10:14:52
Facility Name:	BORON SERVICE STATION
Facility Address:	27195 20 MULE TEAM RD
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

AZ448 **BORON SERVICE STATION** **UST** **U003981650**
North **27195 TWENTY MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.549 mi.
2900 ft. **Site 17 of 17 in cluster AZ**

Actual:
2469 ft.

Focus Map:
52

KERN CO. UST:

Name:	BORON SERVICE STATION
Address:	27195 TWENTY MULE TEAM RD
City:	BORON
Region:	Kern
Facility ID:	FA0002920
CERSID:	10234093
Owner Id:	Not reported
Owner Name:	Not reported
Tank Num:	2
Tank Capacity:	3,500
Common Name:	Not reported
Description:	PREMIUM UNLEADED
Number of Compartments:	3
Install Date:	06/01/1999
Date of Closure:	02/03/2017
Billing Status:	Inactive, non-billable
Mailing Address:	27195 TWENTY MULE TEAM RD
Mailing Address (care of):	ROSENDO NAVARRETE
Mailing City/State/Zip:	BORON, CA 93516
Tank Num:	A
Tank Capacity:	5,000
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	Not reported
Install Date:	06/01/1999
Date of Closure:	05/13/1999
Billing Status:	Inactive, non-billable
Mailing Address:	27195 TWENTY MULE TEAM RD
Mailing Address (care of):	ROSENDO NAVARRETE
Mailing City/State/Zip:	BORON, CA 93516
Tank Num:	B
Tank Capacity:	5,000
Common Name:	Not reported
Description:	PREMIUM UNLEADED

BORON SERVICE STATION (Continued) **U003981650**

Number of Compartments: Not reported
Install Date: 06/01/1999
Date of Closure: 05/13/1999
Billing Status: Inactive, non-billable
Mailing Address: 27195 TWENTY MULE TEAM RD
Mailing Address (care of): ROSENDO NAVARRETE
Mailing City/State/Zip: BORON, CA 93516

Tank Num: C
Tank Capacity: 1,000
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: Not reported
Install Date: 06/01/1999
Date of Closure: 05/13/1999
Billing Status: Inactive, non-billable
Mailing Address: 27195 TWENTY MULE TEAM RD
Mailing Address (care of): ROSENDO NAVARRETE
Mailing City/State/Zip: BORON, CA 93516

Tank Num: C
Tank Capacity: 1,000
Common Name: Not reported
Description: MIDGRADE UNLEADED
Number of Compartments: Not reported
Install Date: 06/01/1999
Date of Closure: 05/13/1999
Billing Status: Inactive, non-billable
Mailing Address: 27195 TWENTY MULE TEAM RD
Mailing Address (care of): ROSENDO NAVARRETE
Mailing City/State/Zip: BORON, CA 93516

Tank Num: EAST 3
Tank Capacity: 3,500
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: 3
Install Date: 06/01/1999
Date of Closure: 02/03/2017
Billing Status: Inactive, non-billable
Mailing Address: 27195 TWENTY MULE TEAM RD
Mailing Address (care of): ROSENDO NAVARRETE
Mailing City/State/Zip: BORON, CA 93516

Tank Num: WEST 1
Tank Capacity: 8,000
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: 3
Install Date: 06/01/1999
Date of Closure: 02/03/2017
Billing Status: Inactive, non-billable
Mailing Address: 27195 TWENTY MULE TEAM RD

BORON SERVICE STATION (Continued) **U003981650**

Mailing Address (care of): ROSENDO NAVARRETE
Mailing City/State/Zip: BORON, CA 93516

UST:
Name: BORON SERVICE STATION
Address: 27195 TWENTY MULE TEAM RD
City,State,Zip: BORON, CA 93516
Facility ID: FA0002920
Permitting Agency: Kern County Environmental Health Services Department
Latitude: 34.99966
Longitude: -117.64622

BC449 **D J AUTO REPAIR** **HWTS** **S124872166**
North **27127 20 MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.551 mi.
2911 ft. **Site 1 of 2 in cluster BC**

Actual:
2466 ft.

Focus Map:
52

HWTS:
Name: D J AUTO REPAIR
Address: 27127 20 MULE TEAM RD
Address 2: Not reported
City,State,Zip: BORON, CA 935161643
EPA ID: CAL000333240
Inactive Date: 06/30/2008
Create Date: 06/03/2008
Last Act Date: 04/23/2009
Mailing Name: Not reported
Mailing Address: 27127 20 MULE TEAM RD
Mailing Address 2: Not reported
Mailing City,State,Zip: BORON, CA 935161643
Owner Name: TOBIAS MONTANO
Owner Address: 10011 N LOOP BLVD
Owner Address 2: Not reported
Owner City,State,Zip: BORON, CA 93516
Contact Name: TOBIAS MONTANO
Contact Address: 27127 20 MULE TEAM RD
Contact Address 2: Not reported
City,State,Zip: BORON, CA 935161643

NAICS:
EPA ID: CAL000333240
Create Date: 2008-06-03 13:30:08.113
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2008-06-03 13:30:08.09700
Inactive Date: 2008-06-30 00:00:00
Facility Name: D J AUTO REPAIR
Facility Address: 27127 20 MULE TEAM RD
Facility Address 2: Not reported
Facility City: BORON
Facility County: Not reported
Facility State: CA
Facility Zip: 935161643

BC450 **JIMS MOBIL SERV** **UST** **U004224896**
North **27127 TWENTY MULE TEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.551 mi.
2911 ft. **Site 2 of 2 in cluster BC**

Actual:
2466 ft.

Focus Map:
52

KERN CO. UST:

Name:	JIMS MOBIL SERV
Address:	27127 TWENTY MULE TEAM RD
City:	BORON
Region:	Kern
Facility ID:	FA0003177
CERSID:	Not reported
Owner Id:	Not reported
Owner Name:	Not reported
Tank Num:	560006
Tank Capacity:	10,000
Common Name:	Not reported
Description:	PREMIUM UNLEADED
Number of Compartments:	Not reported
Install Date:	01/01/1968
Date of Closure:	08/15/2000
Billing Status:	Inactive, non-billable
Mailing Address:	27127 TWENTY MULE TEAM RD
Mailing Address (care of):	JAMES SUMMERS
Mailing City/State/Zip:	BORON, CA 93516
Tank Num:	560006
Tank Capacity:	10,000
Common Name:	Not reported
Description:	DIESEL
Number of Compartments:	Not reported
Install Date:	01/01/1968
Date of Closure:	08/15/2000
Billing Status:	Inactive, non-billable
Mailing Address:	27127 TWENTY MULE TEAM RD
Mailing Address (care of):	JAMES SUMMERS
Mailing City/State/Zip:	BORON, CA 93516
Tank Num:	560006
Tank Capacity:	500
Common Name:	Not reported
Description:	USED OIL
Number of Compartments:	Not reported
Install Date:	01/01/1968
Date of Closure:	08/15/2000
Billing Status:	Inactive, non-billable
Mailing Address:	27127 TWENTY MULE TEAM RD
Mailing Address (care of):	JAMES SUMMERS
Mailing City/State/Zip:	BORON, CA 93516
Tank Num:	560006
Tank Capacity:	10,000
Common Name:	Not reported
Description:	REGULAR UNLEADED

JIMS MOBIL SERV (Continued) **U004224896**

Number of Compartments:	Not reported
Install Date:	01/01/1968
Date of Closure:	08/15/2000
Billing Status:	Inactive, non-billable
Mailing Address:	27127 TWENTY MULE TEAM RD
Mailing Address (care of):	JAMES SUMMERS
Mailing City/State/Zip:	BORON, CA 93516

Tank Num:	560006
Tank Capacity:	10,000
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	Not reported
Install Date:	01/01/1968
Date of Closure:	08/15/2000
Billing Status:	Inactive, non-billable
Mailing Address:	27127 TWENTY MULE TEAM RD
Mailing Address (care of):	JAMES SUMMERS
Mailing City/State/Zip:	BORON, CA 93516

451
North
1/2-1
0.552 mi.
2916 ft.

26962 TWENTY MULE TEAM RD
BORON, CA

CHMIRS **S117743496**
N/A

Actual:
2463 ft.

Focus Map:
52

CHMIRS:

Name:	Not reported
Address:	26962 TWENTY MULE TEAM RD
City,State,Zip:	BORON, CA
OES Incident Number:	15-1698
OES notification:	03/25/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported

(Continued) **S117743496**

Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Residence
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	VAPOR
Measure:	Cu.Ft.
Other:	Not reported
Date/Time:	1534
Year:	2015
Agency:	PG&E
Incident Date:	03/25/2015
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Natural Gas
Quantity Released:	UNK
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	3rd party dig struck the natural gas line 1/2 inch riser causing the release to the atmosphere. PG&E contained the release by shutting off natural gas to the line.

BD452 **EDWARDS AIR FORCE BASE - 5 - AOC 420** **MCS** **S110167394**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.558 mi.
2944 ft. **Site 1 of 2 in cluster BD**

Actual:
2309 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 420
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100110500
Latitude:	34.99402

EDWARDS AIR FORCE BASE - 5 - AOC 420 (Continued) **S110167394**

Longitude:	-117.8741
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 366
LOC Case Number:	100052 -- 366
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100110500
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

453
South
1/2-1
0.560 mi.
2955 ft.

BORON REST FACILITY
HWY 58 W OF BORON
BORON, CA 93516

ENF **S105255556**
WDS **N/A**
WDR
CIWQS
CERS

Actual:
2363 ft.

Focus Map:
51

ENF:

Name:	BORON REST FACILITY
Address:	HWY 58 W OF BORON
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	210081
Agency Name:	CA Dept of Transportation District 9 Bishop R6
Place Type:	Domestic Service Facility
Place Subtype:	Domestic Site NEC
Facility Type:	Municipal/Domestic
Agency Type:	State Agency
# Of Agencies:	1
Place Latitude:	35.005818
Place Longitude:	-117.719272
SIC Code 1:	4959
SIC Desc 1:	Sanitary Services, NEC
SIC Code 2:	4952
SIC Desc 2:	Sewerage Systems
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	48849
NAICS Desc 1:	Other Support Activities for Road Transportation (pt)
NAICS Code 2:	22132
NAICS Desc 2:	Sewage Treatment Facilities
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	0.0074
Threat To Water Quality:	3
Complexity:	C
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Domestic wastewater
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported

BORON REST FACILITY (Continued) **S105255556**

Facility Waste Type 4:	Not reported
Program:	WDRMUNIOTH
Program Category1:	WDR
Program Category2:	WDR
# Of Programs:	1
WDID:	6B150801002
Reg Measure Id:	145762
Reg Measure Type:	WDR
Region:	Not reported
Order #:	84-106
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Active
Status Date:	04/18/2016
Effective Date:	10/12/1984
Expiration/Review Date:	10/12/1999
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	58 - Non15 Based on (TTWQ)/CPLX)
Direction/Voice:	Passive
Enforcement Id(EID):	404954
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	02/24/2016
Adoption/Issuance Date:	02/24/2016
Achieve Date:	Not reported
Termination Date:	02/24/2016
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 02/24/2016 for Ca Dept of Transportation District 9 Bishop R6
Description:	02/24/2016 Spoke with Jim Hibbert @DOT. He was unaware of SMR requirements but willing to submit reports, so emailed him the Board Order. He will submit reports asap.
Program:	WDRMUNIOTH
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

BORON REST FACILITY (Continued) **S105255556**

WDS:

Name:	BORON REST FACILITY
Address:	HWY 58 W OF BORON
City:	BORON
Facility ID:	South Lahontan 150801002
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	7608723021
Facility Contact:	DAN HOLLAND
Agency Name:	CALTRANS DIST 9
Agency Address:	PO BOX 847
Agency City,St,Zip:	BISHOP 93514
Agency Contact:	DAN HOLLAND
Agency Telephone:	7608723021
Agency Type:	State
SIC Code:	4952
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	DOMEST
Waste Type2:	Not reported
Waste2:	Domestic Sewage
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

WDR:

Name:	BORON REST FACILITY
Address:	HWY 58 W OF BORON
City,State,Zip:	BORON, CA 93516
Global ID:	WDR100029995

BORON REST FACILITY (Continued) **S105255556**

Status: ACTIVE - WDR

CIWQS:
Name: BORON REST FACILITY
Address: HWY 58 W OF BORON
City,State,Zip: BORON, CA 93516
Agency: CA Dept of Trans D9 Bishop
Agency Address: 500 South Main Street, Bishop, CA 93514
Place/Project Type: Domestic Site NEC
SIC/NAICS: 4959(+)
Region: 6V
Program: WDRMUNIOTH
Regulatory Measure Status: Active
Regulatory Measure Type: WDR
Order Number: 84-106
WDID: 6B150801002
NPDES Number: Not reported
Adoption Date: 10/12/1984
Effective Date: 10/12/1984
Termination Date: Not reported
Expiration/Review Date: 10/12/1999
Design Flow: 0.0074
Major/Minor: Not reported
Complexity: C
TTWQ: 3
Enforcement Actions within 5 years: 1
Violations within 5 years: 2
Latitude: 35.005818
Longitude: -117.719272

CERS:
Name: BORON REST FACILITY
Address: HWY 58 W OF BORON
City,State,Zip: BORON, CA 93516
Site ID: 13117
CERS ID: 210081
CERS Description: Waste Discharge Requirements

Violations:
Site ID: 13117
Site Name: Boron Rest Facility
Violation Date: 06-22-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: ANNUAL 98 MONITORING REPORT WAS LATE, DUE BY THE 15TH DAY FOLLOWING THE END OF THE CALENDAR YEAR.
Violation Division: Water Boards
Violation Program: WDR
Violation Source: CIWQS

Site ID: 13117
Site Name: Boron Rest Facility
Violation Date: 02-24-2016
Citation: California Water Code
Violation Description: Not reported
Violation Notes: No SMR submitted. Violated Board Order No. R6V-1984-0106 MRP Reporting
Violation Division: Water Boards

BORON REST FACILITY (Continued) **S105255556**

Violation Program: WDRMUNIOTH
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-08-2000
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIOTH
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 12-26-2018
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-12-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-2011
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIOTH
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-24-2016
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNIOTH
Eval Source: CIWQS

BORON REST FACILITY (Continued) **S105255556**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-23-1994
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRMUNIOTH
Eval Source:	CIWQS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-22-1998
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	WDRMUNIOTH
Eval Source:	CIWQS

Enforcement Action:

Site ID:	13117
Site Name:	Boron Rest Facility
Site Address:	HWY 58 W OF BORON
Site City:	BORON
Site Zip:	93516
Enf Action Date:	02-24-2016
Enf Action Type:	Oral Communication
Enf Action Description:	Oral Communication
Enf Action Notes:	Not reported
Enf Action Division:	Water Boards
Enf Action Program:	WDRMUNIOTH
Enf Action Source:	CIWQS

BE454 **DESERT LAKE COMM SERV DIST** **ECHO** **1008039728**
ENE **N/A**
1/2-1 **BORON, CA 93516**
0.561 mi.
2962 ft. **Site 1 of 2 in cluster BE**

Actual:
2411 ft.

Focus Map:
52

ECHO:

Envid:	1008039728
Registry ID:	110013132092
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110013132092
Name:	DESERT LAKE COMM SERV DIST
Address:	Not reported
City,State,Zip:	BORON, CA 93516

BB455 **EDWARDS AIR FORCE BASE - 5 - AOC 350** **MCS** **S110167958**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.566 mi.
2986 ft. **Site 2 of 2 in cluster BB**

Actual: MCS:
2308 ft.

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 350
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100113900
Latitude:	34.99112
Longitude:	-117.8776
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 332
LOC Case Number:	100052 -- 332
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100113900
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Focus Map: **48**

Click here to access the California GeoTracker records for this facility:

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456 **EDWARDS AIR FORCE BASE - 10 - SITE 276** **MCS** **S110167789**
South **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.568 mi.
3001 ft.

Actual: MCS:
2330 ft.

Name:	EDWARDS AIR FORCE BASE - 10 - SITE 276
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100101400
Latitude:	34.97647
Longitude:	-117.8906
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 457
LOC Case Number:	100052 -- 457
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100101400
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Focus Map: **57**

Click here to access the California GeoTracker records for this facility:

457 North 1/2-1 0.569 mi. 3005 ft. | **MICHAEL & DIANA VERON**
27457 TWENTY MULE TEAM RD
BORON, CA 93516 | **HAZNET** **S113795811**
HWTS **N/A**

Actual: 2476 ft.

Focus Map: 53

HAZNET:

Name:	MICHAEL & DIANA VERON
Address:	27457 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161818
Contact:	MICHAEL & DIANA VERON
Telephone:	6618601740
Mailing Name:	Not reported
Mailing Address:	27457 TWENTY MULE TEAM RD
Year:	2012
Gepaid:	CAC002715962
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.4

Additional Info:

Year:	2012
Gen EPA ID:	CAC002715962
Shipment Date:	20120104
Creation Date:	5/14/2013 22:15:27
Receipt Date:	20130115
Manifest ID:	001972314GBF
Trans EPA ID:	CAD983655465
Trans Name:	ALLIED ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MICHAEL & DIANA VERON
Address:	27457 TWENTY MULE TEAM RD
Address 2:	Not reported

MICHAEL & DIANA VERON (Continued) **S113795811**

City,State,Zip:	BORON, CA 935161818
EPA ID:	CAC002715962
Inactive Date:	04/04/2013
Create Date:	01/03/2013
Last Act Date:	04/05/2013
Mailing Name:	Not reported
Mailing Address:	27457 TWENTY MULE TEAM RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935161818
Owner Name:	MICHAEL & DIANA VERON
Owner Address:	27457 TWENTY MULE TEAM RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935161818
Contact Name:	MICHAEL & DIANA VERON
Contact Address:	27457 TWENTY MULE TEAM RD
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935161818

BF458 **G&J HEAVY HAUL INC.** **RCRA NonGen / NLR** **1026044128**
North **2564 CA-58** **CAC003050411**
1/2-1 **BORON, CA 93516**
0.570 mi.
3008 ft. **Site 1 of 4 in cluster BF**

Actual:
2500 ft.

Focus Map:
53

RCRA NonGen / NLR:

Date Form Received by Agency:		20200110
Handler Name:	G&J HEAVY HAUL INC.	
Handler Address:		2564 CA-58
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAC003050411
Contact Name:		NOEL REAL
Contact Address:		2564 CA-58
Contact City,State,Zip:		BORON, CA 93516
Contact Telephone:		909-677-2461
Contact Fax:		Not reported
Contact Email:		NOEL.REAL@GJHEAVYHAUL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		10810 AVE 184
Mailing City,State,Zip:		TULARE, CA 93274
Owner Name:		NOEL REAL
Owner Type:		Other
Operator Name:		NOEL REAL
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No

G&J HEAVY HAUL INC. (Continued) **1026044128**

Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NOEL REAL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported

G&J HEAVY HAUL INC. (Continued) **1026044128**

Owner/Operator Address:	10810 AVE 184
Owner/Operator City,State,Zip:	TULARE, CA 93274
Owner/Operator Telephone:	909-677-2461
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOEL REAL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	2564 CA-58
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	909-677-2461
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200110
Handler Name: G&J HEAVY HAUL INC.	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	484110
NAICS Description:	GENERAL FREIGHT TRUCKING, LOCAL

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

BF459 **G&J HEAVY HAUL INC.** **ECHO** **1026135539**
North **2564 CA-58** **N/A**
1/2-1 **BORON, CA 93516**
0.570 mi.
3008 ft. **Site 2 of 4 in cluster BF**

Actual:
2500 ft.

Focus Map:
53

ECHO:

Envid:	1026135539
Registry ID:	110070720101
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070720101
Name:	G&J HEAVY HAUL INC.
Address:	2564 CA-58

G&J HEAVY HAUL INC. (Continued) **1026135539**

City,State,Zip: BORON, CA 93516

BF460 **G&J HEAVY HAUL INC.** **FINDS** **1026410324**
North **2564 CA-58** **N/A**
1/2-1 **BORON, CA 93516**
0.570 mi.
3008 ft. **Site 3 of 4 in cluster BF**

Actual:
2500 ft.

Focus Map:
53

FINDS:
Registry ID: 110070720101

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BF461 **G&J HEAVY HAUL INC.** **HWTS** **S126101085**
North **2564 CA-58** **N/A**
1/2-1 **BORON, CA 93516**
0.570 mi.
3008 ft. **Site 4 of 4 in cluster BF**

Actual:
2500 ft.

Focus Map:
53

HWTS:

Name:	G&J HEAVY HAUL INC.
Address:	2564 CA-58
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC003050411
Inactive Date:	04/10/2020
Create Date:	01/10/2020
Last Act Date:	04/11/2020
Mailing Name:	Not reported
Mailing Address:	10810 AVE 184
Mailing Address 2:	Not reported
Mailing City,State,Zip:	TULARE, CA 93274
Owner Name:	NOEL REAL
Owner Address:	10810 AVE 184
Owner Address 2:	Not reported
Owner City,State,Zip:	TULARE, CA 93274
Contact Name:	NOEL REAL
Contact Address:	2564 CA-58
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

NAICS:

EPA ID:	CAC003050411
Create Date:	2020-01-10 10:10:18.510
NAICS Code:	484110
NAICS Description:	General Freight Trucking, Local
Issued EPA ID Date:	2020-01-10 10:10:18.57000

G&J HEAVY HAUL INC. (Continued) **S126101085**

Inactive Date:	2020-04-10 10:10:18.37000
Facility Name:	G&J HEAVY HAUL INC.
Facility Address:	2564 CA-58
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93516

BE462 **DESERT LAKE COMM SERV DIST** **FINDS** **1026232987**
ENE **N/A**
1/2-1 **BORON, CA 93516**
0.573 mi.
3028 ft. **Site 2 of 2 in cluster BE**

Actual:
2411 ft.

FINDS:
Registry ID: 110013132092

Focus Map:
52

Click Here:

Environmental Interest/Information System:
COMMUNITY WATER SYSTEM
WATER TREATMENT PLANT

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BG463 **EDWARDS AIR FORCE BASE - 5 - AOC 191** **MCS** **S110168369**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.575 mi.
3035 ft. **Site 1 of 3 in cluster BG**

Actual:
2309 ft.

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 191
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100099300
Latitude:	34.99447
Longitude:	-117.8732
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 478
LOC Case Number:	100052 -- 478
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100099300
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Focus Map:
48

Click here to access the California GeoTracker records for this facility:

BH464 **FAMILY DOLLAR #31432** **CUPA Listings** **S127463592**
North **26645 20 MULE TEAM ROAD** **N/A**
1/2-1 **BORON, CA**
0.577 mi.
3049 ft. **Site 1 of 7 in cluster BH**

Actual:
2456 ft.

Focus Map:
52

KERN CO CUPA:

Facility ID:	FA0042510
CERS ID:	10651267
Name:	FAMILY DOLLAR #31432
Address:	26645 20 MULE TEAM ROAD
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	2/1/2022
Employee:	CUPA 3
Mailing Address:	500 Volvo Parkway
Mailing Address 2:	Not reported
Mailing City:	Chesapeake
Mailing State:	VA
Mailing Zip:	23320

BH465 **FAMILY DOLLAR #31432** **CERS HAZ WASTE** **S127392348**
North **26645 20 MULE TEAM RD** **CERS** **N/A**
1/2-1 **BORON, CA 93516**
0.577 mi.
3049 ft. **Site 2 of 7 in cluster BH**

Actual:
2456 ft.

Focus Map:
52

CERS HAZ WASTE:

Name:	FAMILY DOLLAR #31432
Address:	26645 20 MULE TEAM RD
City,State,Zip:	BORON, CA 93516
Site ID:	361278
CERS ID:	10651267
CERS Description:	Hazardous Waste Generator

CERS:

Name:	FAMILY DOLLAR #31432
Address:	26645 20 MULE TEAM RD
City,State,Zip:	BORON, CA 93516
Site ID:	361278
CERS ID:	10651267
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	361278
Site Name:	Family Dollar #31432
Violation Date:	03-03-2016
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 04/12/2016. Failure to complete the business activities page in CERS. Please check yes to hazardous materials.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

FAMILY DOLLAR #31432 (Continued) **S127392348**

Site ID:	361278
Site Name:	Family Dollar #31432
Violation Date:	02-05-2019
Citation:	40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description:	Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored.
Violation Notes:	Returned to compliance on 07/08/2019. Observed multiple incompatible waste streams stored in hazardous waste drums. Observed toxics, mixed with flammables, mixed with oxidizers all stored in the same hazardous waste bin. Please ensure proper hazardous waste determination aand ensure that incompatible waste streams are not stored together. Please train all applicable employees and then send a copy of the hazardous waste training to trulovej@kerncounty.com A
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	361278
Site Name:	Family Dollar #31432
Violation Date:	03-03-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 05/09/2016. Failure to upload and submit adequate site map. Site map requirements attached to email.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	361278
Site Name:	Family Dollar #31432
Violation Date:	02-05-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 04/15/2019. The contingency plan submitted in CERS observed to be missing the correct CUP phone number. The phone number should be 661-862-8740 for Monday-Friday 8-5 and 661-549-9927 for 24 hour emergency response/spill notification. Please discard the old plan, upload the new/corrected plan, and resubmit with all other elements once all corrections have been made.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	361278
Site Name:	Family Dollar #31432
Violation Date:	03-03-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a

FAMILY DOLLAR #31432 (Continued) **S127392348**

hazardous material.

Violation Notes: Returned to compliance on 05/09/2016. Contingency plan lacking CUPA phone number 661-862-8740 and Regional Water Quality Control Board phone number 760-241-6583. Please revise contingency plan, upload in CERS and resubmit
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 361278
Site Name: Family Dollar #31432
Violation Date: 03-03-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 05/09/2016. Failure to report all hazardous materials and hazardous wastes in CERS. Please report Helium and all hazardous wastes in CERS then resubmit
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 361278
Site Name: Family Dollar #31432
Violation Date: 02-05-2019
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/08/2019. Observed all hazardous waste bins to either be missing a label or to have portions of the label illegible. Please ensure that ALL hazardous waste bins are properly and legibly labeled. Please send a photo of all the properly labeled bins to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 361278
Site Name: Family Dollar #31432
Violation Date: 02-05-2019
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 07/08/2019. Facility lacking training logs and/or the demonstration of knowledge to prove that hazardous waste training has occured. The assistant manager on-site could not adequately make a hazardous waste determination and it was observed that multiple waste streams were stored together in the hazardous

FAMILY DOLLAR #31432 (Continued) **S127392348**

waste bins. Please adequately train all applicable employees to ensure safety procedures. Once the training has occured please send copies of the training logs to trulovej@kerncounty.com

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 361278
Site Name: Family Dollar #31432
Violation Date: 03-03-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 05/09/2016. Facility lacking an adequate training program uploaded and submitted into CERS. Training plan template attached to email
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 361278
Site Name: Family Dollar #31432
Violation Date: 02-05-2019
Citation: HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description: Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes: Returned to compliance on 07/09/2019. Observed multiple bins containing hazardous waste to have an accumulation start date of 2017 on the label. Also observed multiple hazardous waste bins containing waste to not have a label nor an accumulation start date. Please have all hazardous waste removed immediately and then send a copy of the hazardous waste manifest to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection

FAMILY DOLLAR #31432 (Continued) **S127392348**

Eval Date: 03-03-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Once all violations have been corrected please sign and return the last page of this inspection report to certify that all violations have been properly corrected. Certification sheet can be sent to Jamie Trulove via email trulovej@co.kern.ca.us or fax 661-862-8701
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-05-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-03-2016
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: JOSE FIGUEROA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Environmental Contact
Entity Name: Stephanie Caiati
Entity Title: Not reported
Affiliation Address: 500 Volvo Parkway
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Country: Not reported
Affiliation Zip: 23320
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: Dollar Tree Stores, Inc
Entity Title: Not reported
Affiliation Address: 500 Volvo Parkway
Affiliation City: Chesapeake
Affiliation State: VA
Affiliation Country: United States

FAMILY DOLLAR #31432 (Continued) **S127392348**

Affiliation Zip:	23320
Affiliation Phone:	(757) 321-5000
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	500 Volvo Parkway
Affiliation City:	Chesapeake
Affiliation State:	VA
Affiliation Country:	Not reported
Affiliation Zip:	23320
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jose Figueroa
Entity Title:	EH&S Specialist
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	Dollar Tree Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(757) 321-5000
Affiliation Type Desc:	Parent Corporation
Entity Name:	Family Dollar Stores, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

BH466 **FAMILY DOLLAR INC #11432** **HAZNET** **S121019771**
North **26645 TWENTY MULE TEAM RD** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.577 mi.
3049 ft. **Site 3 of 7 in cluster BH**

Actual:
2456 ft.

Focus Map:
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HAZNET:

Name:	FAMILY DOLLAR INC #11432
Address:	26645 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 233200000
Contact:	ANGELA JONES
Telephone:	7573215761
Mailing Name:	Not reported
Mailing Address:	500 VOLVO PARKWAY
Year:	2019
Gepaid:	CAL000411131
TSD EPA ID:	CAD008364432
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00100
Year:	2019
Gepaid:	CAL000411131
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00050
Year:	2019
Gepaid:	CAL000411131
TSD EPA ID:	AZR000515924
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00550
Year:	2019
Gepaid:	CAL000411131
TSD EPA ID:	NVD980895338
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00400
Year:	2019
Gepaid:	CAL000411131
TSD EPA ID:	CAD008364432
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.00300
Year:	2018
Gepaid:	CAL000411131
TSD EPA ID:	AZR000515924

FAMILY DOLLAR INC #11432 (Continued) **S121019771**

CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00700

Year: 2018
Gepaid: CAL000411131
TSD EPA ID: NVD980895338
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00100

Year: 2018
Gepaid: CAL000411131
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.00050

Year: 2017
Gepaid: CAL000411131
TSD EPA ID: CAD008364432
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.008

Year: 2017
Gepaid: CAL000411131
TSD EPA ID: CAD008364432
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.0025

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2017
Gen EPA ID: CAL000411131

Shipment Date: 20171115
Creation Date: 6/20/2018 18:31:51
Receipt Date: 20171129
Manifest ID: 011322504FLE
Trans EPA ID: MNS000110924
Trans Name: STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID: CAR000217554
Trans 2 Name: CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID: CAD008364432
Trans Name: RHO CHEM LLC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported

FAMILY DOLLAR INC #11432 (Continued) **S121019771**

Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171115
Creation Date:	6/20/2018 18:31:51
Receipt Date:	20171129
Manifest ID:	011322504FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217554
Trans 2 Name:	CRUZ CONTAINERS LOGISTICS INC
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170718
Creation Date:	6/13/2018 18:30:25
Receipt Date:	20170724
Manifest ID:	009350768FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAR000217000
Trans 2 Name:	LA CHIQUITA TRUCKING
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P

FAMILY DOLLAR INC #11432 (Continued) **S121019771**

Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221
Creation Date:	4/23/2017 18:30:10
Receipt Date:	20170301
Manifest ID:	009388759FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009388759FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221

FAMILY DOLLAR INC #11432 (Continued) **S121019771**

Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009388759FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0045
Waste Quantity:	9
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170221
Creation Date:	4/23/2017 18:30:10
Receipt Date:	20170301
Manifest ID:	009388759FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	D035
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170221
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	009388759FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP

FAMILY DOLLAR INC #11432 (Continued) **S121019771**

TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221
Creation Date:	4/23/2017 18:30:10
Receipt Date:	20170301
Manifest ID:	009388759FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170221
Creation Date:	4/23/2017 18:30:10
Receipt Date:	20170301
Manifest ID:	009388759FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	CAD983649880
Trans 2 Name:	PSC ENVIRONMENTAL SERVICES LP
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

FAMILY DOLLAR INC #11432 (Continued) **S121019771**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	FAMILY DOLLAR INC #11432
Address:	26645 TWENTY MULE TEAM RD
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161553
EPA ID:	CAL000411131
Inactive Date:	Not reported
Create Date:	10/15/2015
Last Act Date:	08/04/2020
Mailing Name:	Not reported
Mailing Address:	500 VOLVO PARKWAY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CHESAPEAKE, VA 233200000
Owner Name:	FAMILY DOLLAR INC
Owner Address:	500 VOLVO PARKWAY
Owner Address 2:	Not reported
Owner City,State,Zip:	CHESAPEAKE, VA 233200000
Contact Name:	JESSICA DUBUQUE
Contact Address:	500 VOLVO PARKWAY
Contact Address 2:	Not reported
City,State,Zip:	CHESAPEAKE, VA 23320

NAICS:

EPA ID:	CAL000411131
Create Date:	2015-10-15 16:19:52.613
NAICS Code:	45299
NAICS Description:	All Other General Merchandise Stores
Issued EPA ID Date:	2015-10-15 16:19:52.61000
Inactive Date:	Not reported
Facility Name:	FAMILY DOLLAR INC #11432
Facility Address:	26645 TWENTY MULE TEAM RD
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935161553

BH467 **FAMILY DOLLAR INC #11432** **FINDS** **1024633855**
North **26645 TWENTY MULE TEAM RD** **ECHO** **N/A**
1/2-1 **BORON, CA 93516**
0.577 mi.
3049 ft. **Site 4 of 7 in cluster BH**

Actual:
2456 ft.

Focus Map:
52

FINDS:
Registry ID: 110070422242

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024633855
Registry ID:	110070422242
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070422242
Name:	FAMILY DOLLAR INC #11432
Address:	26645 TWENTY MULE TEAM RD
City,State,Zip:	BORON, CA 93516

BH468 **FAMILY DOLLAR INC #11432** **RCRA NonGen / NLR** **1024852116**
North **26645 TWENTY MULE TEAM RD** **CAL000411131**
1/2-1 **BORON, CA 93516**
0.577 mi.
3049 ft. **Site 5 of 7 in cluster BH**

Actual:
2456 ft.

Focus Map:
52

RCRA NonGen / NLR:

Date Form Received by Agency:	20151015
Handler Name:	FAMILY DOLLAR INC #11432
Handler Address:	26645 TWENTY MULE TEAM RD
Handler City,State,Zip:	BORON, CA 93516-1553
EPA ID:	CAL000411131
Contact Name:	CONNIE KELCH
Contact Address:	500 VOLVO PARKWAY
Contact City,State,Zip:	CHESAPEAKE, VA 23320
Contact Telephone:	757-321-5405
Contact Fax:	757-321-5214
Contact Email:	CKELCH@DOLLARTREE.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	500 VOLVO PARKWAY
Mailing City,State,Zip:	CHESAPEAKE, VA 23320-0000
Owner Name:	FAMILY DOLLAR INC

FAMILY DOLLAR INC #11432 (Continued) **1024852116**

Owner Type:	Other
Operator Name:	CONNIE KELCH
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180906
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

FAMILY DOLLAR INC #11432 (Continued) **1024852116**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: FAMILY DOLLAR INC
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 500 VOLVO PARKWAY
Owner/Operator City,State,Zip: CHESAPEAKE, VA 23320-0000
Owner/Operator Telephone: 757-321-5000
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: CONNIE KELCH
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 500 VOLVO PARKWAY
Owner/Operator City,State,Zip: CHESAPEAKE, VA 23320
Owner/Operator Telephone: 757-321-5405
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20151015
Handler Name: FAMILY DOLLAR INC #11432
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 45299
NAICS Description: ALL OTHER GENERAL MERCHANDISE STORES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

BD469 **EDWARDS AIR FORCE BASE - 5 - SITE 349** **MCS** **S110167554**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.578 mi.
3050 ft. **Site 2 of 2 in cluster BD**

Actual: MCS:
2310 ft.

Name:	EDWARDS AIR FORCE BASE - 5 - SITE 349
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100147400
Latitude:	34.99403
Longitude:	-117.8736
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 6
LOC Case Number:	100052 -- 6
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100147400
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Focus Map:
48

Click here to access the California GeoTracker records for this facility:

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470 **FOUR CORNERS UNION** **UST** **U004061576**
East **6258 HWY 58** **N/A**
1/2-1 **KRAMER JUNCTION, CA 95316**
0.583 mi.
3077 ft.

Actual: UST:
2473 ft.

Name:	FOUR CORNERS UNION
Address:	6258 HWY 58
City,State,Zip:	KRAMER JUNCTION, CA 95316
Facility ID:	86008104
Permitting Agency:	SAN BERNARDINO COUNTY
Latitude:	34.9919253
Longitude:	-117.541125

Focus Map:
55

BH471 **GREEN FIELD RECYCLE** **SWRCY** **S107616244**
North **12025 GARDINER ST** **N/A**
1/2-1 **BORON, CA 93516**
0.583 mi.
3077 ft. **Site 6 of 7 in cluster BH**

Actual: SWRCY:
2456 ft.

Name:	GREEN FIELD RECYCLE
Address:	12025 GARDINER ST
City,State,Zip:	BORON, CA 93516
Reg Id:	Not reported
Cert Id:	RC293259.001
Mailing Address:	12025 Gardiner St
Mailing City:	Boron

Focus Map:
52

GREEN FIELD RECYCLE (Continued) **S107616244**

Mailing State:	CA
Mailing Zip Code:	93516
Website:	Not reported
Email:	Not reported
Phone Number:	(760) 762-6773
Rural:	Y
Operation Begin Date:	01/23/2020
Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon Closed; Tue - Sat 9:00 am - 1:00 pm; Sun Closed
Organization ID:	Not reported
Organization Name:	Green Field Recycle

BI472 **EDWARDS AIR FORCE BASE - 5 - AOC 283** **MCS** **S110167527**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.583 mi.
3077 ft. **Site 1 of 2 in cluster BI**

Actual:
2309 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 283
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100108900
Latitude:	34.99335
Longitude:	-117.8743
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 382
LOC Case Number:	100052 -- 382
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100108900
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

BG473 **EDWARDS AIR FORCE BASE - 5 - AOC 369** **MCS** **S110168163**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.594 mi.
3137 ft. **Site 2 of 3 in cluster BG**

Actual:
2310 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 369
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100105600
Latitude:	34.99423

EDWARDS AIR FORCE BASE - 5 - AOC 369 (Continued) **S110168163**

Longitude:	-117.8730
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 415
LOC Case Number:	100052 -- 415
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100105600
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

BJ474 **RESIDENCE** **HIST UST** **U001586506**
ENE **12429 DEL ORO ST** **N/A**
1/2-1 **BORON, CA 93516**
0.594 mi.
3138 ft. **Site 1 of 2 in cluster BJ**

Actual:
2408 ft.

Focus Map:
52

HIST UST:

Name:	RESIDENCE
Address:	12429 DEL ORO ST
City,State,Zip:	BORON, CA 93516
File Number:	00024F24
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024F24.pdf
Region:	STATE
Facility ID:	00000002216
Facility Type:	Other
Other Type:	RESIDENCE
Contact Name:	Not reported
Telephone:	6197625545
Owner Name:	RALPH W. OLDER
Owner Address:	12429 DEL ORO ST.
Owner City,St,Zip:	BORON, CA 93516
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1970
Tank Capacity:	00000350
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

BJ475 **RESIDENCE** **UST** **U004113251**
ENE **12429 DEL ORO ST** **N/A**
1/2-1 **BORON, CA**
0.594 mi.
3138 ft. **Site 2 of 2 in cluster BJ**

Actual: KERN CO. UST:
2408 ft.

Focus Map: Name: RESIDENCE
52 Address: 12429 DEL ORO ST
City: BORON
Region: Kern
Facility ID: Not reported
CERSID: Not reported
Owner Id: 560002
Owner Name: OLDER, RALPH

Tank Num: 1
Tank Capacity: 0
Common Name: Not reported
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

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476 **PADRON METAL FINISHING CORP** **RCRA NonGen / NLR** **1026829552**
West **10856 HANOVER DR** **CAL000464613**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.596 mi.
3145 ft.

Actual: RCRA NonGen / NLR:
2357 ft.

Focus Map: Date Form Received by Agency: 20210806
29 Handler Name: PADRON METAL FINISHING CORP
Handler Address: 10856 HANOVER DR
Handler City,State,Zip: CALIFORNIA CITY, CA 93505
EPA ID: CAL000464613
Contact Name: JORGE RAMIREZ
Contact Address: 10856 HANOVER DR
Contact City,State,Zip: CALIFORNIA CITY, CA 93505
Contact Telephone: 626-733-7616
Contact Fax: Not reported
Contact Email: JPADRONMETALFINISHING@HUGHES.NET
Contact Title: Not reported
EPA Region: 09
Land Type: Not reported
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 10856 HANOVER DR
Mailing City,State,Zip: CALIFORNIA CITY, CA 93505
Owner Name: PADRON METAL FINISHING CORP
Owner Type: Other

PADRON METAL FINISHING CORP (Continued) **1026829552**

Operator Name:	JORGE RAMIREZ
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20210812
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

PADRON METAL FINISHING CORP (Continued) **1026829552**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JORGE RAMIREZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10856 HANOVER DR
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	626-733-7616
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PADRON METAL FINISHING CORP
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10856 HANOVER DR
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	760-284-1107
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20210806
Handler Name:	PADRON METAL FINISHING CORP
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	332813
NAICS Description:	ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

477
SW
1/2-1
0.598 mi.
3155 ft.

CALIFORNIA CITY HIGH SCHOOL ADMIN BLDG & GYMNASIUM
8567 BOLDEN AVE
CALIFORNIA CITY, CA 93505

CIWQS **S121626153**
N/A

Actual:
2375 ft.

Focus Map:
20

CIWQS:

Name:	CALIFORNIA CITY HIGH SCHOOL ADMIN BLDG & GYMNASIUM
Address:	8567 BOLDEN AVE
City,State,Zip:	CALIFORNIA CITY, CA 93505
Agency:	Mojave Unified SD
Agency Address:	3500 Douglas Blvd, Mojave, CA 93501
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	99-08DW
WDID:	6B15C352451
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	07/07/2008
Termination Date:	11/02/2009
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

BI478
SE
1/2-1
0.601 mi.
3173 ft.

EDWARDS AIR FORCE BASE - 5 - AOC 187
EDWARDS AFB, CA 93524
Site 2 of 2 in cluster BI

MCS **S110168094**
N/A

Actual:
2310 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 187
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100097700
Latitude:	34.99338
Longitude:	-117.8738
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 494
LOC Case Number:	100052 -- 494
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100097700
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

EDWARDS AIR FORCE BASE - 5 - AOC 187 (Continued) **S110168094**

Click here to access the California GeoTracker records for this facility:

BH479 **FAMILY DOLLAR BORON** **NPDES S117542618**
North **NEC GARDINER ST AND TWENTY MULE TEAM RD** **CIWQS N/A**
1/2-1 **BORON, CA 93516**
0.602 mi.
3181 ft. **Site 7 of 7 in cluster BH**

Actual:
2455 ft.

Focus Map:
52

NPDES:

Name:	FAMILY DOLLAR BORON
Address:	NEC GARDINER ST AND TWENTY MULE TEAM RD
City,State,Zip:	BORON, CA 93516
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6B15C371910
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	06/27/2016
Operator Name:	Tatum Real Estate
Operator Address:	255 Linden Street
Operator City:	Fort Collins
Operator State:	Colorado
Operator Zip:	80524

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Terminated
Agency Number:	0
Region:	6B
Regulatory Measure ID:	450471
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B15C371910
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	01/15/2015
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/27/2016
Discharge Name:	Tatum Real Estate
Discharge Address:	255 Linden Street
Discharge City:	Fort Collins

FAMILY DOLLAR BORON (Continued) **S117542618**

Discharge State:	Colorado
Discharge Zip:	80524
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported

FAMILY DOLLAR BORON (Continued) **S117542618**

Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	6B
Regulatory Measure ID:	450471
Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	6B15C371910
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	06/27/2016
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	01/13/2015
Processed Date:	01/15/2015
Status:	Terminated
Status Date:	06/27/2016
Place Size:	1.36
Place Size Unit:	Acres
Contact:	Dillon Tidwell
Contact Title:	VP Construction Services
Contact Phone:	970-282-1038
Contact Phone Ext:	Not reported
Contact Email:	dtidwell@tatumre.com
Operator Name:	Tatum Real Estate
Operator Address:	255 Linden Street
Operator City:	Fort Collins
Operator State:	Colorado
Operator Zip:	80524
Operator Contact:	Dillon Tidwell
Operator Contact Title:	VP Construction Services
Operator Contact Phone:	970-282-1038
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	dtidwell@tatumre.com
Operator Type:	Private Business
Developer:	Tatum Real Estate
Developer Address:	255 Linden Street
Developer City:	Fort Collins
Developer State:	Colorado
Developer Zip:	80524
Developer Contact:	Dillon Tidwell
Developer Contact Title:	VP Construction Services
Constype Linear Utility Ind:	N
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	N
Constype Below Ground Ind:	N
Constype Cable Line Ind:	N
Constype Comm Line Ind:	N

FAMILY DOLLAR BORON (Continued) **S117542618**

Constype Commertial Ind:	Y
Constype Electrical Line Ind:	N
Constype Gas Line Ind:	N
Constype Industrial Ind:	N
Constype Other Description:	Not reported
Constype Other Ind:	N
Constype Recons Ind:	N
Constype Residential Ind:	N
Constype Transport Ind:	N
Constype Utility Description:	Not reported
Constype Utility Ind:	N
Constype Water Sewer Ind:	N
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Not reported
Certifier:	Dillon Tidwell
Certifier Title:	Owner
Certification Date:	13-JAN-15
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	FAMILY DOLLAR BORON
Address:	NEC GARDINER ST AND TWENTY MULE TEAM RD
City,State,Zip:	BORON, CA 93516
Agency:	Tatum Real Estate
Agency Address:	255 Linden Street Suite 210, Fort Collins, CO 80524
Place/Project Type:	Construction - Commercial
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C371910
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	01/15/2015
Termination Date:	06/27/2016
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.000389
Longitude:	-117.655976

BG480 **EDWARDS AIR FORCE BASE - 5 - AOC 192** **MCS** **S110168365**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.608 mi.
3209 ft. **Site 3 of 3 in cluster BG**

Actual:
2310 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 192
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100099400
Latitude:	34.99402
Longitude:	-117.8729
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 477
LOC Case Number:	100052 -- 477
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100099400
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

BK481 **EDWARDS AIR FORCE BASE - 5 - AOC 190** **MCS** **S110168073**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.613 mi.
3235 ft. **Site 1 of 2 in cluster BK**

Actual:
2310 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 190
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100099200
Latitude:	34.99330
Longitude:	-117.8736
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 479
LOC Case Number:	100052 -- 479
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100099200
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

BL482 **EDWARDS AIR FORCE BASE - 5 - SITE 282** **MCS** **S110168287**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.613 mi.
3236 ft. **Site 1 of 3 in cluster BL**

Actual:
2308 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - SITE 282
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100145900
Latitude:	34.99453
Longitude:	-117.8723
Case Type:	Military Cleanup Site
Status:	Open - Verification Monitoring
Status Date:	04/29/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 21
LOC Case Number:	100052 -- 21
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100145900
Potential Contaminants of Concern:	Not reported
Site History:	Site 282 primarily consists of facilities formerly used for liquid propulsion technology research and development. Site 282 is comprised of Site 282 and AOCs 187 through 194, 283, 287, and 288.

Click here to access the California GeoTracker records for this facility:

BM483 **BORON AUTO BODY** **RCRA-SQG** **1000335215**
North **26049 20 MULETEAM RD** **CA FID UST** **CAD982462855**
1/2-1 **BORON, CA 93516** **FINDS**
0.623 mi. **ECHO**
3289 ft. **Site 1 of 2 in cluster BM**

Actual:
2438 ft.

Focus Map:
52

RCRA-SQG:

Date Form Received by Agency:		19881211
Handler Name:	BORON AUTO BODY	
Handler Address:		26049 20 MULETEAM RD
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAD982462855
Contact Name:		ENVIRONMENTAL MANAGER
Contact Address:		26049 20 MULETEAM RD
Contact City,State,Zip:		BORON, CA 93516
Contact Telephone:		714-476-2658
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		5
Mailing Address:		20 MULETEAM RD

BORON AUTO BODY (Continued) **1000335215**

Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	0JERRY A LANGE
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No

BORON AUTO BODY (Continued) **1000335215**

Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	0JERRY A LANGE
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19881211
Handler Name: BORON AUTO BODY	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

BORON AUTO BODY (Continued) **1000335215**

CA FID UST:
- Facility ID: 15004597
- Regulated By: UTNKI
- Regulated ID: Not reported
- Cortese Code: Not reported
- SIC Code: Not reported
- Facility Phone: 6197626127
- Mail To: Not reported
- Mailing Address: PO BOX
- Mailing Address 2: Not reported
- Mailing City,St,Zip: BORON 93516
- Contact: Not reported
- Contact Phone: Not reported
- DUNs Number: Not reported
- NPDES Number: Not reported
- EPA ID: Not reported
- Comments: Not reported
- Status: Inactive

FINDS:
- Registry ID: 110002816463

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
- Envid: 1000335215
- Registry ID: 110002816463
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002816463
- Name: BORON AUTO BODY
- Address: 26049 20 MULETEAM RD
- City,State,Zip: BORON, CA 93516

BM484 **BORON AUTO BODY** **HWTS** **S124751951**
North **26049 20 MULETEAM RD** **N/A**
1/2-1 **BORON, CA 93516**
0.623 mi.
3289 ft. **Site 2 of 2 in cluster BM**

Actual:
2438 ft.

Focus Map:
52

HWTS:
- Name: BORON AUTO BODY
- Address: 26049 20 MULETEAM RD
- Address 2: Not reported
- City,State,Zip: BORON, CA 935160000
- EPA ID: CAD982462855
- Inactive Date: 06/30/1996
- Create Date: 06/15/1989
- Last Act Date: 08/10/2004

BORON AUTO BODY (Continued) **S124751951**

Mailing Name:	Not reported
Mailing Address:	26049 20 MULETEAM RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	--
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	INACT PER 96 VQ AD
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

BL485 **EDWARDS AIR FORCE BASE - 5 - AOC 194** **MCS** **S110168254**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.623 mi.
3289 ft. **Site 2 of 3 in cluster BL**

Actual: **2308 ft.**
Focus Map: **48**

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 194
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100100800
Latitude:	34.99451
Longitude:	-117.8721
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 463
LOC Case Number:	100052 -- 463
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100100800
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

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486 **EDWARDS AIR FORCE BASE - 5 - AOC 288** **MCS** **S110168101**
ESE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.631 mi.
3334 ft.

Actual: **2305 ft.**
Focus Map: **48**

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 288
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100113700
Latitude:	34.99519
Longitude:	-117.8714
Case Type:	Military Cleanup Site

EDWARDS AIR FORCE BASE - 5 - AOC 288 (Continued) **S110168101**

Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 334
LOC Case Number:	100052 -- 334
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100113700
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

BK487 **EDWARDS AIR FORCE BASE - 5 - SITE 348** **MCS** **S110167606**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.634 mi.
3346 ft. **Site 2 of 2 in cluster BK**

Actual:
2310 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - SITE 348
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100147300
Latitude:	34.99280
Longitude:	-117.8737
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 7
LOC Case Number:	100052 -- 7
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100147300
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

BL488 **EDWARDS AIR FORCE BASE - 5 - AOC 193** **MCS** **S110168435**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.642 mi.
3388 ft. **Site 3 of 3 in cluster BL**

Actual:
2309 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 193
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100099500
Latitude:	34.99405

EDWARDS AIR FORCE BASE - 5 - AOC 193 (Continued) **S110168435**

Longitude:	-117.8721
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 476
LOC Case Number:	100052 -- 476
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100099500
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

489
North
1/2-1
0.642 mi.
3389 ft.

44 ELECTRIC
26967 NUDGENT ST
BORON, CA

CUPA Listings **S126201776**
N/A

Actual:
2461 ft.

Focus Map:
52

KERN CO CUPA:

Facility ID:	FA0000218
CERS ID:	Not reported
Name:	44 ELECTRIC
Address:	26967 NUDGENT ST
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	1/1/2009
Employee:	CUPA 3
Mailing Address:	26967 NUDGENT ST
Mailing Address 2:	Not reported
Mailing City:	BORON
Mailing State:	CA
Mailing Zip:	93516

490
North
1/2-1
0.642 mi.
3389 ft.

PRINCIPAL RESIDENTIAL MORTGAGE
27011 NUDGENT ST
BORON, CA 93516

HAZNET **S112896155**
HWTS **N/A**

Actual:
2463 ft.

Focus Map:
52

HAZNET:

Name:	PRINCIPAL RESIDENTIAL MORTGAGE
Address:	27011 NUDGENT ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	BONNIE STARKS
Telephone:	5152351688
Mailing Name:	Not reported

PRINCIPAL RESIDENTIAL MORTGAGE (Continued) **S112896155**

Mailing Address:	711 HIGH ST
Year:	1998
Gepaid:	CAC001498584
TSD EPA ID:	CAD050806850
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H01 - Transfer Station
Tons:	0.532

Additional Info:

Year:	1998
Gen EPA ID:	CAC001498584
Shipment Date:	19980625
Creation Date:	10/20/1998 0:00:00
Receipt Date:	19980701
Manifest ID:	96643861
Trans EPA ID:	CAD000083121
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.532
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	PRINCIPAL RESIDENTIAL MORTGAGE
Address:	27011 NUDGENT ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC001498584
Inactive Date:	10/25/2000
Create Date:	06/24/1998
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	711 HIGH ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	DES MOINES, IA 903920002
Owner Name:	PRINCIPAL RESIDENTIAL MORTGAGE
Owner Address:	711 HIGH ST
Owner Address 2:	Not reported
Owner City,State,Zip:	DES MOINES, IA 903920002
Contact Name:	BONNIE STARKS

PRINCIPAL RESIDENTIAL MORTGAGE (Continued) **S112896155**

Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

---

491 East 1/2-1 0.648 mi. 3419 ft.

USNASA JET PROPULSION LABORATORY
NORTH BASE RD EDWARDS AFB
EDWARDS, CA 93523

CORRACTS **1000128815**
RCRA-TSDF **CA2570090512**
HIST UST
CA FID UST
RCRA NonGen / NLR

Actual: 2302 ft.

Focus Map: 48

CORRACTS:

Name: USNASA JET PROPULSION LABORATORY
Address: NORTH BASE RD EDWARDS AFB
Address 2: Not reported
EPA ID: CA2570090512
Area Name: ENTIRE FACILITY
Corrective Action: RFA COMPLETED
Actual Date: 19930901
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USNASA JET PROPULSION LABORATORY
Address: NORTH BASE RD EDWARDS AFB
Address 2: Not reported
EPA ID: CA2570090512
Area Name: ENTIRE FACILITY
Corrective Action: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Actual Date: 19930901
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USNASA JET PROPULSION LABORATORY
Address: NORTH BASE RD EDWARDS AFB
Address 2: Not reported
EPA ID: CA2570090512
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 20000522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: USNASA JET PROPULSION LABORATORY
Address: NORTH BASE RD EDWARDS AFB
Address 2: Not reported
EPA ID: CA2570090512
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Actual Date: 20000522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

RCRA NonGen / NLR:

Date Form Received by Agency:	19921015
Handler Name:	USNASA JET PROPULSION LABORATORY
Handler Address:	NORTH BASE RD EDWARDS AFB
Handler City,State,Zip:	EDWARDS, CA 93523
EPA ID:	CA2570090512
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Federal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Corrective Action Activities
State District Owner:	CA
State District:	5
Mailing Address:	P O BOX 458
Mailing City,State,Zip:	EDWARDS, CA 93523
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	CALIF INSTITUTE OF TECH JET PROPULSION
Operator Type:	Federal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The land is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Treatment
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	No
Groundwater Controls Indicator:	No
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NATL AERONAUTICAL AND SPACE ADMIN
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	JPL(180-802)4800 OAKGROVE DR
Owner/Operator City,State,Zip:	PASADENA, CA 91109
Owner/Operator Telephone:	818-354-5359
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CALIF INSTITUTE OF TECH JET PROPULSION
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 458
Owner/Operator City,State,Zip:	EDWARDS, CA 93523
Owner/Operator Telephone:	805-275-7800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19921015
Handler Name:	USNASA JET PROPULSION LABORATORY

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19891010
Handler Name:	USNASA JET PROPULSION LABORATORY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19940331
Handler Name:	USNASA JET PROPULSION LABORATORY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32592
NAICS Description:	EXPLOSIVES MANUFACTURING

NAICS Code:	92711
NAICS Description:	SPACE RESEARCH AND TECHNOLOGY

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Permits - Application
Date Violation was Determined:	19921108
Actual Return to Compliance Date:	19930105
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19921124
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	9000
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19950410
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940408
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19921108
Evaluation Responsible Agency: State
Found Violation: Yes

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930105
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930401
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

HIST UST:

Name:	JET PROPULSION LABORATORY/EDWA
Address:	BLDG 4231 EDWARDS AIR FORCE
City,State,Zip:	EDWARDS, CA 93523
File Number:	00024ACB
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024ACB.pdf
Region:	STATE
Facility ID:	00000029897
Facility Type:	Other
Other Type:	R&D FACILITY
Contact Name:	C.R. BYERS, MANAGER
Telephone:	8052274520
Owner Name:	JET PROPULSION LABORATORY/CALI

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Owner Address:	4800 OAK GROVE DRIVE
Owner City,St,Zip:	PASADENA, CA 91109
Total Tanks:	0001
Tank Num:	001
Container Num:	T186
Year Installed:	1958
Tank Capacity:	00000340
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	.250
Leak Detection:	Visual, Sensor Instrument, Pressure Test, 10
Tank Num:	001
Container Num:	E-158 T1
Year Installed:	1976
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	E-15, T2
Year Installed:	1966
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	1/4
Leak Detection:	Stock Inventor
Tank Num:	003
Container Num:	E-328T3
Year Installed:	1978
Tank Capacity:	00020000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	.250
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	E-22, T4
Year Installed:	1959
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	.250
Leak Detection:	10
Tank Num:	005
Container Num:	E-328 T5
Year Installed:	1982
Tank Capacity:	00000050
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	16
Leak Detection:	Stock Inventor

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Tank Num:	006
Container Num:	E-218 T6
Year Installed:	1981
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	06
Container Construction Thickness:	12/10
Leak Detection:	Stock Inventor

Tank Num:	007
Container Num:	E-18 P
Year Installed:	1979
Tank Capacity:	00175000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	6
Leak Detection:	10

Tank Num:	008
Container Num:	E-36S
Year Installed:	1963
Tank Capacity:	00000250
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	3
Leak Detection:	None

Tank Num:	009
Container Num:	E-84S
Year Installed:	1980
Tank Capacity:	00000239
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	322
Leak Detection:	None

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	15004626
Regulated By:	UTNKA
Regulated ID:	00001084
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8052774520
Mail To:	Not reported
Mailing Address:	P O BOX
Mailing Address 2:	Not reported
Mailing City,St,Zip:	EDWARDS 93523
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

RCRA NonGen / NLR:

Date Form Received by Agency:	19921015
Handler Name:	USNASA JET PROPULSION LABORATORY
Handler Address:	NORTH BASE RD EDWARDS AFB
Handler City,State,Zip:	EDWARDS, CA 93523
EPA ID:	CA2570090512
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Federal
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Corrective Action Activities
State District Owner:	CA
State District:	5
Mailing Address:	P O BOX 458
Mailing City,State,Zip:	EDWARDS, CA 93523
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	CALIF INSTITUTE OF TECH JET PROPULSION
Operator Type:	Federal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The land is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Treatment
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Treatment
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	No
Groundwater Controls Indicator:	No
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	NATL AERONAUTICAL AND SPACE ADMIN
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	JPL(180-802)4800 OAKGROVE DR
Owner/Operator City,State,Zip:	PASADENA, CA 91109
Owner/Operator Telephone:	818-354-5359
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CALIF INSTITUTE OF TECH JET PROPULSION
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 458
Owner/Operator City,State,Zip:	EDWARDS, CA 93523
Owner/Operator Telephone:	805-275-7800
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19921015
Handler Name:	USNASA JET PROPULSION LABORATORY

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19891010
Handler Name:	USNASA JET PROPULSION LABORATORY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19940331
Handler Name:	USNASA JET PROPULSION LABORATORY
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32592
NAICS Description:	EXPLOSIVES MANUFACTURING

NAICS Code:	92711
NAICS Description:	SPACE RESEARCH AND TECHNOLOGY

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Permits - Application
Date Violation was Determined:	19921108
Actual Return to Compliance Date:	19930105
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19921124
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	R9
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	R9
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	9000
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19950410
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19940408
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19921108
Evaluation Responsible Agency: State
Found Violation: Yes

USNASA JET PROPULSION LABORATORY (Continued) **1000128815**

Evaluation Type Description:	NON-FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930105
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19930401
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

BN492 **EDWARDS AIR FORCE BASE - 5 - AOC 188** **MCS** **S110168171**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.651 mi.
3437 ft. **Site 1 of 2 in cluster BN**

Actual:
2310 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 188
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100097800
Latitude:	34.99344
Longitude:	-117.8725
Case Type:	Military Cleanup Site

EDWARDS AIR FORCE BASE - 5 - AOC 188 (Continued) **S110168171**

Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 493
LOC Case Number:	100052 -- 493
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100097800
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

BN493 **EDWARDS AIR FORCE BASE - 5 - AOC 189** **MCS** **S110168079**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.656 mi.
3464 ft. **Site 2 of 2 in cluster BN**

Actual:
2310 ft.

Focus Map:
48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 189
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100097900
Latitude:	34.99315
Longitude:	-117.8727
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 492
LOC Case Number:	100052 -- 492
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100097900
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

---

494 **CHMIRS** **S105634771**
West **10808 KELLER DR** **N/A**
1/2-1 **CA CITY, CA 93505**
0.656 mi.
3464 ft.

Actual:
2341 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	10808 KELLER DR
City,State,Zip:	CA CITY, CA 93505
OES Incident Number:	260
OES notification:	Not reported

(Continued) **S105634771**

OES Date:	7/22/1994
OES Time:	08:09:44 PM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	NO
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	AIR RELEASE
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	CA CITY PD
Incident Date:	1943 22 JUL 94
Admin Agency:	Not reported
Amount:	UNK
Contained:	NO
Site Type:	RESIDENCE
E Date:	Not reported
Substance:	NATURAL GAS
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported

(Continued) **S105634771**

#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	GAS LINE BROKEN. PG&E ENROUTE TO SCENE

---

495 South 1/2-1 0.675 mi. 3564 ft.

ALFREDO FLORES
9781 MARGERY AVE
CALIF CITY, CA 93505

HAZNET **S117284135**
HWTS **N/A**

Actual: 2347 ft.

Focus Map: 20

HAZNET:

Name:	ALFREDO FLORES
Address:	9781 MARGERY AVE
Address 2:	Not reported
City,State,Zip:	CALIF CITY, CA 93505
Contact:	ALFREDO FLORES
Telephone:	Not reported
Mailing Name:	Not reported
Mailing Address:	9781 MARGERY AVE
Year:	2013
Gepaid:	CAC002718861
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8

Additional Info:

Year:	2013
Gen EPA ID:	CAC002718861
Shipment Date:	20130227
Creation Date:	5/3/2013 22:15:37
Receipt Date:	20130227
Manifest ID:	007905739JJK
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAL000317320
Trans 2 Name:	UNIWASTE
TSDF EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

ALFREDO FLORES (Continued) **S117284135**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130201
Creation Date:	3/15/2013 22:15:33
Receipt Date:	20130206
Manifest ID:	007905721JJK
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAL000317320
Trans 2 Name:	UNIWASTE
TSDF EPA ID:	CAD982042475
Trans Name:	RECOLOGY HAY ROAD
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ALFREDO FLORES
Address:	9781 MARGERY AVE
Address 2:	Not reported
City,State,Zip:	CALIF CITY, CA 93505
EPA ID:	CAC002718861
Inactive Date:	05/01/2013
Create Date:	01/30/2013
Last Act Date:	05/02/2013
Mailing Name:	Not reported
Mailing Address:	9781 MARGERY AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIF CITY, CA 93505
Owner Name:	ALFREDO FLORES
Owner Address:	9781 MARGERY AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIF CITY, CA 93505
Contact Name:	ALFREDO FLORES
Contact Address:	9781 MARGERY AVE
Contact Address 2:	Not reported
City,State,Zip:	CALIF CITY, CA 93505

BO496 **VERIZON CALIFORNIA: BORON CO** **FINDS** **1023211876**
North **12156 ROBERTS AVE** **N/A**
1/2-1 **BORON, CA 93516**
0.678 mi.
3578 ft. **Site 1 of 4 in cluster BO**

Actual:
2458 ft.

FINDS:
Registry ID: 110064974844

Focus Map:
52

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BO497 **FRONTIER CALIFORNIA** **EMI** **S124455197**
North **12156 ROBERTS AVENUE** **N/A**
1/2-1 **BORON, CA 93516**
0.678 mi.
3578 ft. **Site 2 of 4 in cluster BO**

Actual:
2458 ft.

EMI:

Name:	FRONTIER CALIFORNIA
Address:	12156 ROBERTS AVENUE
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	494004
Air District Name:	KER
SIC Code:	4812
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00079281183932
Reactive Organic Gases Tons/Yr:	0.00075
Carbon Monoxide Emissions Tons/Yr:	0.01387
NOX - Oxides of Nitrogen Tons/Yr:	0.01049
SOX - Oxides of Sulphur Tons/Yr:	2e-005
Particulate Matter Tons/Yr:	0.00056
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.00056

Focus Map:
52

BO498 **FRONTIER CALIFORNIA** **FINDS** **1025450645**
North **12156 ROBERTS AVENUE** **N/A**
1/2-1 **BORON, CA 93516**
0.678 mi.
3578 ft. **Site 3 of 4 in cluster BO**

Actual:
2458 ft.

FINDS:
Registry ID: 110070521185

Focus Map:
52

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BO499 **VERIZON CALIFORNIA INC** **CUPA Listings** **S123585007**
North **12156 ROBERTS AVE** **HAZNET** **N/A**
1/2-1 **BORON, CA 93516** **HWTS**
0.678 mi.
3578 ft. **Site 4 of 4 in cluster BO**

Actual:
2458 ft.

Focus Map:
52

KERN CO CUPA:

Facility ID:	FA0001367
CERS ID:	10141057
Name:	FRONTIER CALIFORNIA: BORON CO
Address:	12156 ROBERTS AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	3/31/2013
Current Inspection Date:	4/1/2023
Employee:	CUPA 3
Mailing Address:	280 S. Locust Street
Mailing Address 2:	Not reported
Mailing City:	Pomona
Mailing State:	CA
Mailing Zip:	91766

HAZNET:

Name:	VERIZON CALIFORNIA INC
Address:	12156 ROBERTS AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161543
Contact:	BILL IRWIN
Telephone:	9788373604
Mailing Name:	Not reported
Mailing Address:	2 HAMPSHIRE ST
Year:	2009
Gepaid:	CAC002648714
TSD EPA ID:	CAD008364432
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.04
Year:	2009
Gepaid:	CAC002648714
TSD EPA ID:	WAD991281767
CA Waste Code:	261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0551

Additional Info:

Year:	2009
Gen EPA ID:	CAC002648714
Shipment Date:	20091207
Creation Date:	7/20/2010 18:30:17

VERIZON CALIFORNIA INC (Continued) **S123585007**

Receipt Date:	20091211
Manifest ID:	002347107JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO-CHEM CORPORATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.04
Waste Quantity:	80
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091207
Creation Date:	6/29/2010 18:30:46
Receipt Date:	20091219
Manifest ID:	005360746JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES
Trans 2 EPA ID:	CAD008364432
Trans 2 Name:	RHOCHEM LLC
TSDF EPA ID:	WAD991281767
Trans Name:	BURLINGTON ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0551
Waste Quantity:	50
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	VERIZON CALIFORNIA INC
Address:	12156 ROBERTS AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161543
EPA ID:	CAC002648714
Inactive Date:	06/01/2010
Create Date:	12/02/2009
Last Act Date:	06/09/2010

VERIZON CALIFORNIA INC (Continued) **S123585007**

Mailing Name:	Not reported
Mailing Address:	2 HAMPSHIRE ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LAWRENCE, MA 018401216
Owner Name:	VERIZON CALIFORNIA INC
Owner Address:	2 HAMPSHIRE ST
Owner Address 2:	Not reported
Owner City,State,Zip:	LAWRENCE, MA 018401216
Contact Name:	BILL IRWIN
Contact Address:	2 HAMPSHIRE ST
Contact Address 2:	Not reported
City,State,Zip:	LAWRENCE, MA 018401216

BP500 **GEPHART SCHOOL** **LUST** **S110654369**
North **T11N R7W SECTION 19** **N/A**
1/2-1 **BORON, CA 93516**
0.685 mi.
3615 ft. **Site 1 of 2 in cluster BP**

Actual:
2448 ft.

Focus Map:
52

LUST:

Name:	GEPHART SCHOOL
Address:	T11N R7W SECTION 19
City,State,Zip:	BORON, CA 93516
Lead Agency:	KERN COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900893
Global Id:	T0602900893
Latitude:	35.0016086
Longitude:	-117.6589265
Status:	Completed - Case Closed
Status Date:	09/28/1995
Case Worker:	KC
RB Case Number:	6B1500453T
Local Agency:	KERN COUNTY
File Location:	Not reported
Local Case Number:	560011
Potential Media Affect:	Under Investigation
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0602900893
Contact Type:	Local Agency Caseworker
Contact Name:	Kern County
Organization Name:	KERN COUNTY
Address:	Not reported
City:	R6V UNKNOWN
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0602900893
Action Type:	Other
Date:	07/24/1992
Action:	Leak Discovery

Global Id:	T0602900893
Action Type:	Other

GEPHART SCHOOL (Continued) **S110654369**

Date: 07/24/1992
Action: Leak Stopped

Global Id: T0602900893
Action Type: Other
Date: 12/14/1992
Action: Leak Reported

LUST:
Global Id: T0602900893
Status: Open - Case Begin Date
Status Date: 07/24/1992

Global Id: T0602900893
Status: Completed - Case Closed
Status Date: 09/28/1995

BP501 **GEPHART SCHOOL** **LUST** **S101295151**
North **T11N R7W SECTION 19** **Cortese** **N/A**
1/2-1 **BORON, CA 93516** **HIST CORTESE**
0.685 mi. **CERS**
3616 ft. **Site 2 of 2 in cluster BP**

Actual:
2448 ft.

Focus Map:
52

LUST Region 6V:
Name: GEPHART SCHOOL
Address: T11N R7W SECTION 19
City: BORON
Region: 6V
Case Number: 6B1500453T
Leak Record: 3/26/1993
Report Date: 12/14/1992
Reported By Address: Not reported
Responsible Party: MUROC JOINT UNIF SCHOOL DIST
Operator: MUROC JOINT UNIF SCHOOL DIST
Cross Street: BORON RD N
Local Agency: 15000L
Regional Board: 6V
Chemical: Gasoline
Case Type: Undefined
Funding: Not reported
Enforce Type: N
How Found: Tank Closure
How Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Global ID: T0602900893
Stop Date: 7/24/1992
Leak Confirm: Not reported
Submit Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 9/28/1995
Discovered: 7/24/1992

GEPHART SCHOOL (Continued) **S101295151**

Enforce Date: 1/1/1965
Review Date: 12/26/1995
GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
MTBE Counts: 0
MTBE Fuel: 1
MTBE Tested: NT
Organization Name: Not reported
Status: Case Closed
Contact: Not reported
Interim Action: No
Pilot Program: LUST
Lat/Long: 35 / -117.6589265
Staff Initials: KD
Local Agency Staff: SBC
Lead Agency: Local Agency
Summary: Not reported
Basin Number: ANTELOPE VALLEY (6-4
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: 560011
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 12685.89837
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

CORTESE:
Name: GEPHART SCHOOL
Address: T11N R7W SECTION 19
City,State,Zip: BORON, CA 93516
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0602900893
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported

GEPHART SCHOOL (Continued) **S101295151**

Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:
edr_fname: GEPHART SCHOOL
edr_fadd1: T11N R7W SECTION 19
City,State,Zip: BORON, CA 93516
Region: CORTESE
Facility County Code: 15
Reg By: LTNKA
Reg Id: 6B1500453T

CERS:
Name: GEPHART SCHOOL
Address: T11N R7W SECTION 19
City,State,Zip: BORON, CA 93516
Site ID: 212369
CERS ID: T0602900893
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: Kern County - KERN COUNTY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R6V UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

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502 **EDWARDS AIR FORCE BASE - 5 - AOC 281** **MCS** **S110167768**
SE **N/A**
1/2-1 **EDWARDS AFB, CA 93524**
0.693 mi.
3658 ft.

Actual:
2310 ft.

Focus Map:
48

MCS:
Name: EDWARDS AIR FORCE BASE - 5 - AOC 281
Address: Not reported
City,State,Zip: EDWARDS AFB, CA 93524-1130
Global Id: DOD100108800
Latitude: 34.99224
Longitude: -117.8729
Case Type: Military Cleanup Site
Status: Open - Inactive
Status Date: 04/05/2010
Lead Agency: LAHONTAN RWQCB (REGION 6V)
Caseworker: AP
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number: 166-60 -- 383
LOC Case Number: 100052 -- 383
File Location: Not reported
Potential Media Affect: Not reported
EDR Link ID: DOD100108800
Potential Contaminants of Concern: Not reported

EDWARDS AIR FORCE BASE - 5 - AOC 281 (Continued) **S110167768**

Site History: Not reported

Click here to access the California GeoTracker records for this facility:

BQ503 **DEBORD-PRIVATE RESIDENCE** **UST** **U004113258**
North **27044 ANDERSON ST** **N/A**
1/2-1 **BORON, CA**
0.693 mi.
3658 ft. **Site 1 of 3 in cluster BQ**

Actual:
2460 ft.

Focus Map:
52

KERN CO. UST:

Name:	DEBORD-PRIVATE RESIDENCE
Address:	27044 ANDERSON ST
City:	BORON
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	560010
Owner Name:	DEBORD, HARRY S
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

BQ504 **1X DEBORD CEPTIC SVC. HARRY F. DEBORD** **HAZNET** **S123724780**
North **27044 ANDERSON STREET** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.693 mi.
3658 ft. **Site 2 of 3 in cluster BQ**

Actual:
2460 ft.

Focus Map:
52

HAZNET:

Name:	1X DEBORD CEPTIC SVC. HARRY F. DEBORD
Address:	27044 ANDERSON STREET
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	DEBORD, DORTHEA - WIFE
Telephone:	6197625610
Mailing Name:	Not reported
Mailing Address:	27044 ANDERSON STREET
Year:	1990
Gepaid:	CAC000257529
TSD EPA ID:	CAD980883177
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	0.2085

1X DEBORD CEPTIC SVC. HARRY F. DEBORD (Continued) **S123724780**

HWTS:

Name:	1X DEBORD CEPTIC SVC. HARRY F. DEBORD
Address:	27044 ANDERSON STREET
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC000257529
Inactive Date:	10/25/2000
Create Date:	03/08/1990
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	27044 ANDERSON STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	HARRY, DORTHEA DEBORD
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	DEBORD, DORTHEA - WIFE
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

BQ505 **DEBORD SEPTIC TANK SERVICE** **HIST UST** **U001586499**
North **27044 ANDERSON ST** **N/A**
1/2-1 **BORON, CA 93516**
0.693 mi.
3658 ft. **Site 3 of 3 in cluster BQ**

Actual:
2460 ft.

Focus Map:
52

HIST UST:

Name:	DEBORD SEPTIC TANK SERVICE
Address:	27044 ANDERSON ST
City,State,Zip:	BORON, CA 93516
File Number:	00024782
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024782.pdf
Region:	STATE
Facility ID:	00000032872
Facility Type:	Other
Other Type:	SEPTIC TANK SERVICE
Contact Name:	DEBORD, HARRY OR DOROTHEA OWNE
Telephone:	6197625610
Owner Name:	DEBORD, HARRY S. & DOROTHEA G.
Owner Address:	27044 ANDERSON ST.
Owner City,St,Zip:	BORON, CA 93516
Total Tanks:	0001
Tank Num:	001
Container Num:	001
Year Installed:	1974
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

BR506 **DODDERER THIRD PARTY SITE** **FINDS** **1026441140**
North **26960 ANDERSON ST** **N/A**
1/2-1 **BORON, CA 93516**
0.700 mi.
3694 ft. **Site 1 of 4 in cluster BR**

Actual:
2459 ft.

FINDS:
Registry ID: 110070798065

Focus Map:
52

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BR507 **DODDERER THIRD PARTY SITE** **ECHO** **1026132840**
North **26960 ANDERSON ST** **N/A**
1/2-1 **BORON, CA 93516**
0.700 mi.
3694 ft. **Site 2 of 4 in cluster BR**

Actual:
2459 ft.

ECHO:

Envid:	1026132840
Registry ID:	110070798065
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070798065
Name:	DODDERER THIRD PARTY SITE
Address:	26960 ANDERSON ST
City,State,Zip:	BORON, CA 93516

Focus Map:
52

BR508 **DODDERER THIRD PARTY SITE** **RCRA NonGen / NLR** **1025880855**
North **26960 ANDERSON ST** **CAP000201046**
1/2-1 **BORON, CA 93516**
0.700 mi.
3694 ft. **Site 3 of 4 in cluster BR**

Actual:
2459 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20090916
Handler Name:	DODDERER THIRD PARTY SITE
Handler Address:	26960 ANDERSON ST
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAP000201046
Contact Name:	JEFFREY W HUBBARD
Contact Address:	PO BOX 13287
Contact City,State,Zip:	OFFUTT AFB, NE 68113
Contact Telephone:	402-293-2520
Contact Fax:	Not reported
Contact Email:	JEFFREY.W.HUBBARD@USACE.ARMY.MIL
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported

Focus Map:
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DODDERER THIRD PARTY SITE (Continued) **1025880855**

Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 13287
Mailing City,State,Zip:	OFFUTT AFB, NE 68113
Owner Name:	DEFENSE LOGISTICS AGENCY
Owner Type:	Federal
Operator Name:	BRUCE NOBLE ATTN DES WRI
Operator Type:	Federal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The site is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported

DODDERER THIRD PARTY SITE (Continued) **1025880855**

Handler Date of Last Change:	20090916
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DEFENSE LOGISTICS AGENCY
Legal Status:	Federal
Date Became Current:	20090406
Date Ended Current:	Not reported
Owner/Operator Address:	74 WASHINGTON AVE
Owner/Operator City,State,Zip:	BATTLE CREEK, MI 49017
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DEFENSE LOGISTICS AGENCY
Legal Status:	Federal
Date Became Current:	20090406
Date Ended Current:	Not reported
Owner/Operator Address:	74 WASHINGTON AVE
Owner/Operator City,State,Zip:	BATTLE CREEK, MI 49017
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRUCE NOBLE ATTN DES WRI
Legal Status:	Federal
Date Became Current:	20090406
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BRUCE NOBLE ATTN DES WRI

DODDERER THIRD PARTY SITE (Continued) **1025880855**

Legal Status:	Federal
Date Became Current:	20090406
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20090616
Handler Name:	DODDERER THIRD PARTY SITE
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	20090916
Handler Name:	DODDERER THIRD PARTY SITE
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56291
NAICS Description:	REMEDIATION SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

BR509 **DODDERER THIRD PARTY SITE** **HAZNET** **S123636631**
North **26960 ANDERSON ST** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.700 mi.
3694 ft. **Site 4 of 4 in cluster BR**

Actual:
2459 ft.

Focus Map:
52

HAZNET:

Name:	DODDERER THIRD PARTY SITE
Address:	26960 ANDERSON ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	JEFFREY HUBBARD
Telephone:	4022932520
Mailing Name:	Not reported
Mailing Address:	PO BOX 13287
Year:	2009
Gepaid:	CAP000201046
TSD EPA ID:	CAD008364432
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075
Year:	2009
Gepaid:	CAP000201046
TSD EPA ID:	CAD008364432
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	2.375
Year:	2009
Gepaid:	CAP000201046
TSD EPA ID:	CAD008364432
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.125

Additional Info:

Year:	2009
Gen EPA ID:	CAP000201046
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U228
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

DODDERER THIRD PARTY SITE (Continued) **S123636631**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	9/23/2009 18:30:21
Receipt Date:	20090803
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.125
Waste Quantity:	2250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.003
Waste Quantity:	6
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

DODDERER THIRD PARTY SITE (Continued) **S123636631**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0925
Waste Quantity:	185
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK

DODDERER THIRD PARTY SITE (Continued) **S123636631**

Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported

DODDERER THIRD PARTY SITE (Continued) **S123636631**

TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.125
Waste Quantity:	2250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090730
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004230228JJK
Trans EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	RHO CHEM LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.011
Waste Quantity:	22
Quantity Unit:	P

DODDERER THIRD PARTY SITE (Continued) **S123636631**

Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: DODDERER THIRD PARTY SITE
Address: 26960 ANDERSON ST
Address 2: Not reported
City,State,Zip: BORON, CA 93516
EPA ID: CAP000201046
Inactive Date: 11/16/2010
Create Date: 05/19/2010
Last Act Date: 12/01/2010
Mailing Name: Not reported
Mailing Address: PO BOX 13287
Mailing Address 2: Not reported
Mailing City,State,Zip: OFFUTT AFB, NE 68113
Owner Name: DEFENSE LOGISTICS AGENCY
Owner Address: 74 WASHINGTON AVE N
Owner Address 2: Not reported
Owner City,State,Zip: BATTLE CREEK, MI 490373085
Contact Name: JEFFREY HUBBARD
Contact Address: PO BOX 13287
Contact Address 2: Not reported
City,State,Zip: OFFUTT AFB, NE 68113

NAICS:
EPA ID: CAP000201046
Create Date: 2010-05-19 09:37:17.180
NAICS Code: 56291
NAICS Description: Remediation Services
Issued EPA ID Date: 2010-05-19 09:37:17.16300
Inactive Date: 2010-11-16 09:37:17.14700
Facility Name: DODDERER THIRD PARTY SITE
Facility Address: 26960 ANDERSON ST
Facility Address 2: Not reported
Facility City: BORON
Facility County: Not reported
Facility State: CA
Facility Zip: 93516

510
WSW
1/2-1
0.700 mi.
3697 ft.

FEDERAL PRISON CAMP
HWY 395
BORON, CA 93516

LUST **S110654362**
CERS **N/A**

Actual:
2854 ft.

Focus Map:
36

LUST:
Name: FEDERAL PRISON CAMP
Address: HWY 395
City,State,Zip: BORON, CA 93516
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900834
Global Id: T0602900834

FEDERAL PRISON CAMP (Continued) **S110654362**

Latitude: 35.0787271143941
Longitude: -117.579364888363
Status: Completed - Case Closed
Status Date: 01/14/2010
Case Worker: TML
RB Case Number: 6B1500139T
Local Agency: KERN COUNTY
File Location: Regional Board
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0602900834
Contact Type: Local Agency Caseworker
Contact Name: Kern County
Organization Name: KERN COUNTY
Address: Not reported
City: R6V UNKNOWN
Email: Not reported
Phone Number: Not reported

Global Id: T0602900834
Contact Type: Regional Board Caseworker
Contact Name: TAMMY LUNDQUIST
Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BLVD.
City: SOUTH LAKE TAHOE
Email: tammy.lundquist@waterboards.ca.gov
Phone Number: 5305425400

LUST:
Global Id: T0602900834
Action Type: Other
Date: 09/29/1989
Action: Leak Discovery

Global Id: T0602900834
Action Type: Other
Date: 09/29/1989
Action: Leak Stopped

Global Id: T0602900834
Action Type: ENFORCEMENT
Date: 03/13/2009
Action: Staff Letter

Global Id: T0602900834
Action Type: ENFORCEMENT
Date: 07/20/2009
Action: Letter - Notice

Global Id: T0602900834
Action Type: ENFORCEMENT
Date: 01/14/2010
Action: Closure/No Further Action Letter

FEDERAL PRISON CAMP (Continued) **S110654362**

Global Id: T0602900834
Action Type: Other
Date: 10/27/1989
Action: Leak Reported

Global Id: T0602900834
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

LUST:
Global Id: T0602900834
Status: Open - Case Begin Date
Status Date: 09/29/1989

Global Id: T0602900834
Status: Open - Site Assessment
Status Date: 01/11/1990

Global Id: T0602900834
Status: Open - Inactive
Status Date: 05/29/2009

Global Id: T0602900834
Status: Completed - Case Closed
Status Date: 01/14/2010

CERS:
Name: FEDERAL PRISON CAMP
Address: HWY 395
City,State,Zip: BORON, CA 93516
Site ID: 229818
CERS ID: T0602900834
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: Kern County - KERN COUNTY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: R6V UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: TAMMY LUNDQUIST - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD.
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5305425400

511 **EAST KERN HEALTH CARE DISTRICT** **HAZNET** **S113162787**
SSE **9300 NORTH LOOP BLVD** **HWTS** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.711 mi.
3756 ft.

Actual:
2362 ft.

Focus Map:
20

HAZNET:

Name:	EAST KERN HEALTH CARE DISTRICT
Address:	9300 NORTH LOOP BLVD
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
Contact:	T J SRI
Telephone:	6193734809
Mailing Name:	Not reported
Mailing Address:	PO BOX 2546
Year:	1994
Gepaid:	CAL912113411
TSD EPA ID:	CAD981402522
CA Waste Code:	171 - Metal sludge (Alkaline solution (pH >= 12.5) with metals)
Disposal Method:	R01 - Recycler
Tons:	0.008
Year:	1994
Gepaid:	CAL912113411
TSD EPA ID:	CAD981402522
CA Waste Code:	541 - Photochemicals/photoprocessing waste
Disposal Method:	R01 - Recycler
Tons:	0.0417

Additional Info:

Year:	1994
Gen EPA ID:	CAL912113411
Shipment Date:	19940105
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19940105
Manifest ID:	92653430
Trans EPA ID:	CAD982431785
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981402522
TSDF Alt Name:	Not reported
Waste Code Description:	541 - Photochemicals / photo processing waste
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

EAST KERN HEALTH CARE DISTRICT (Continued) **S113162787**

Shipment Date:	19940105
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19940105
Manifest ID:	92653430
Trans EPA ID:	CAD982431785
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981402522
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981402522
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	D011
Meth Code:	R01 - Recycler
Quantity Tons:	0.008
Waste Quantity:	16
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	EAST KERN HEALTH CARE DISTRICT
Address:	9300 NORTH LOOP BLVD
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
EPA ID:	CAL912113411
Inactive Date:	06/30/1999
Create Date:	07/30/1991
Last Act Date:	09/30/1999
Mailing Name:	Not reported
Mailing Address:	PO BOX 2546
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 935040546
Owner Name:	EAST KERN HEALTH CARE DISTRICT
Owner Address:	PO BOX 2546
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 935040546
Contact Name:	T J SRI
Contact Address:	INACTIVE PER VQ99 - BMI
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

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512 West 1/2-1 0.712 mi. 3762 ft.

Actual: 2343 ft.

Focus Map: 20

IRAJ FAJIMIAN **HAZNET S118206295**
10755 JEREMY DR **HWTS N/A**
CALIFORNIA CITY, CA 93505

HAZNET:

Name:	IRAJ FAJIMIAN
Address:	10755 JEREMY DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935051522

IRAJ FAJIMIAN (Continued) **S118206295**

Contact:	IRAJ FAJIMIAN
Telephone:	3106258290
Mailing Name:	Not reported
Mailing Address:	10755 JEREMY DR
Year:	2014
Gepaid:	CAC002766153
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.8

Additional Info:

Year:	2014
Gen EPA ID:	CAC002766153
Shipment Date:	20140403
Creation Date:	8/17/2014 22:15:17
Receipt Date:	20140414
Manifest ID:	011868397JJK
Trans EPA ID:	CAL000160111
Trans Name:	ALLIANCE ENVIRONMENTAL GROUP
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.8
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	IRAJ FAJIMIAN
Address:	10755 JEREMY DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935051522
EPA ID:	CAC002766153
Inactive Date:	07/01/2014
Create Date:	04/01/2014
Last Act Date:	07/02/2014
Mailing Name:	Not reported
Mailing Address:	10755 JEREMY DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 935051522

IRAJ FAJIMIAN (Continued) **S118206295**

Owner Name:	IRAJ FAJIMIAN
Owner Address:	10755 JEREMY DR
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 935051522
Contact Name:	IRAJ FAJIMIAN
Contact Address:	10755 JEREMY DR
Contact Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935051522

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513 **UNNAMED SHAFT** **MINES MRDS** **1025775122**
ENE **N/A**
1/2-1 **RIDGECREST, CA 93555**
0.716 mi.
3779 ft.

Actual:
2793 ft.

Focus Map:
27

MINES MRDS:

Name:	UNNAMED SHAFT
Address:	Not reported
Deposit identification Number:	10304645
City,State,Zip:	RIDGECREST, CALIFORNIA 93555
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10304645
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060713507
Region:	NA
Country:	United States
Primary Commodities:	Gold
Secondary Commodities:	Not reported
Tertiary Commodities:	Silver
Operation Type:	Underground
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Federspiel
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported

UNNAMED SHAFT (Continued) **1025775122**

Latitude: 35.1578
Longitude: -117.57619

514
North
1/2-1
0.726 mi.
3831 ft.

JANET EYRE **HAZNET** **S117284269**
27163 ANDERSON ST **HWTS** **N/A**
BORON, CA 93516

Actual:
2462 ft.

Focus Map:
52

HAZNET:
Name: JANET EYRE
Address: 27163 ANDERSON ST
Address 2: Not reported
City,State,Zip: BORON, CA 93516
Contact: JANET EYRE
Telephone: Not reported
Mailing Name: Not reported
Mailing Address: 27163 ANDERSON ST

Year: 2013
Gepaid: CAC002719080
TSD EPA ID: CAD982042475
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4

Additional Info:
Year: 2013
Gen EPA ID: CAC002719080

Shipment Date: 20130204
Creation Date: 3/15/2013 22:15:33
Receipt Date: 20130206
Manifest ID: 007905724JJK
Trans EPA ID: CAR000050815
Trans Name: PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID: CAL000317320
Trans 2 Name: UNIWASTE
TSDF EPA ID: CAD982042475
Trans Name: RECOLOGY HAY ROAD
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 151 - Asbestos-containing waste
RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.4
Waste Quantity: 1
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

JANET EYRE (Continued) **S117284269**

HWTS:

Name:	JANET EYRE
Address:	27163 ANDERSON ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002719080
Inactive Date:	05/03/2013
Create Date:	02/01/2013
Last Act Date:	05/04/2013
Mailing Name:	Not reported
Mailing Address:	27163 ANDERSON ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	JANET EYRE
Owner Address:	27163 ANDERSON ST
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	JANET EYRE
Contact Address:	27163 ANDERSON ST
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

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515 **JASON MARKIEWITZ** **HAZNET** **S124676652**
South **9849 KAREN AVE** **HWTS** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.734 mi.
3878 ft.

Actual:
2348 ft.

Focus Map:
20

HAZNET:

Name:	JASON MARKIEWITZ
Address:	9849 KAREN AVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
Contact:	JASON MARKIEWITZ
Telephone:	7025612951
Mailing Name:	Not reported
Mailing Address:	9849 KAREN AVE
Year:	2018
Gepaid:	CAC002957353
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	4.14000

HWTS:

Name:	JASON MARKIEWITZ
Address:	9849 KAREN AVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
EPA ID:	CAC002957353
Inactive Date:	07/17/2018
Create Date:	04/16/2018
Last Act Date:	07/17/2018
Mailing Name:	Not reported

JASON MARKIEWITZ (Continued) **S124676652**

Mailing Address:	9849 KAREN AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner Name:	JASON MARKIEWITZ
Owner Address:	9849 KAREN AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 93505
Contact Name:	JASON MARKIEWITZ
Contact Address:	9849 KAREN AVE
Contact Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505

516
West **21361 BALDWIN LN.** **CHMIRS** **S105668065**
1/2-1 **CALIFORNIA CITY, CA 93505** **N/A**
0.741 mi.
3914 ft.

Actual:
2348 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	21361 BALDWIN LN.
City,State,Zip:	CALIFORNIA CITY, CA 93505
OES Incident Number:	0-1674
OES notification:	04/12/2000
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported

(Continued) **S105668065**

Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2000
Agency:	California City Fire Dept.
Incident Date:	4/12/200012:00:00 AM
Admin Agency:	California City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	Natural Gas
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	2
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Citizen severed gas line while digging a post hole. Two people were evacuated from house until gas company shut down line.

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517 ESE
1/2-1
0.745 mi.
3931 ft.

BALLING I **MINES MRDS** **1025645288 N/A**

EDWARDS, CA 93523

Actual:
2329 ft.

Focus Map:
41

MINES MRDS:

Name:	BALLING I
Address:	Not reported
Deposit identification Number:	10163815
City,State,Zip:	EDWARDS, CALIFORNIA 93523
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10163815
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060291036
Region:	NA
Country:	United States
Primary Commodities:	Boron-Borates
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Unknown
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported

BALLING I (Continued) **1025645288**

Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Ridenour, James
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.0289
Longitude:	-117.792

---

518 East 1/2-1 0.747 mi. 3946 ft. **EDWARDS AIR FORCE BASE - 5 - AOC 204** **MCS** **S110168352 N/A**

EDWARDS AFB, CA 93524

Actual: 2304 ft.

Focus Map: 48

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 204
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100115400
Latitude:	35.00082
Longitude:	-117.8679
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 317
LOC Case Number:	100052 -- 317
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100115400
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

519
West
1/2-1
0.749 mi.
3956 ft.

21441 HECTOR COURT
CALIFORNIA CITY, CA 93505

CHMIRS **S105635915**
N/A

Actual:
2343 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	21441 HECTOR COURT
City,State,Zip:	CALIFORNIA CITY, CA 93505
OES Incident Number:	046
OES notification:	Not reported
OES Date:	5/4/1994
OES Time:	11:53:56 AM
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	none
Containment:	Not reported
What Happened:	Not reported
Type:	VAPOR
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	california city police dept
Incident Date:	1109/4may94
Admin Agency:	Not reported
Amount:	2000 cubic ft
Contained:	NO
Site Type:	RESIDENCE
E Date:	Not reported
Substance:	natural gas
Unknown:	Not reported

(Continued) **S105635915**

Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	all desert fence company hit gas line with post hole digger company from apple valley, vapor escaped into open air

---

520 West 1/2-1 0.755 mi. 3984 ft. **ANDY BARTOSOVKY** **HAZNET** **S123071651**
10733 JEREMY CT **HWTS** **N/A**
CALIFORNIA CITY, CA 93505

Actual: 2343 ft.

Focus Map: 20

HAZNET:

Name:	ANDY BARTOSOVKY
Address:	10733 JEREMY CT
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
Contact:	ANDY BARTOSOVKY
Telephone:	4054133162
Mailing Name:	Not reported
Mailing Address:	10733 JEREMY CT
Year:	2017
Gepaid:	CAC002934867
TSD EPA ID:	CAD982042475
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23

Additional Info:

Year:	2017
Gen EPA ID:	CAC002934867
Shipment Date:	20171109
Creation Date:	6/20/2018 18:31:19
Receipt Date:	20171120
Manifest ID:	014880750JJK
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000272773
Trans 2 Name:	UNIWASTE LLC
TSDF EPA ID:	CAD982042475

ANDY BARTOSOVKY (Continued) **S123071651**

Trans Name:	RECOLOGY HAY ROAD
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.23
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	ANDY BARTOSOVKY
Address:	10733 JEREMY CT
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
EPA ID:	CAC002934867
Inactive Date:	02/01/2018
Create Date:	11/01/2017
Last Act Date:	02/01/2018
Mailing Name:	Not reported
Mailing Address:	10733 JEREMY CT
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner Name:	ANDY BARTOSOVKY
Owner Address:	10733 JEREMY CT
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 93505
Contact Name:	ANDY BARTOSOVKY
Contact Address:	10733 JEREMY CT
Contact Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505

BS521 **SCG - KRAMER JUNCTION RECEIVING & PIGGING** **EMI** **S124454883**
SSE **SECTION 4 T10N R6W** **CERS** **N/A**
1/2-1 **KRAMER JUNCTION, CA 93516**
0.759 mi.
4009 ft. **Site 1 of 2 in cluster BS**

Actual:
2523 ft.

Focus Map:
54

EMI:

Name:	SCG - KRAMER JUNCTION RECEIVING & PIGGING
Address:	SECTION 4 T10N R6W
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2017
County Code:	36
Air Basin:	MD
Facility ID:	3102441
Air District Name:	MOJ
SIC Code:	4922
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported

SCG - KRAMER JUNCTION RECEIVING & PIGGING (Continued) **S124454883**

Total Organic Hydrocarbon Gases Tons/Yr:	0.0050685087416
Reactive Organic Gases Tons/Yr:	0.000517871
Carbon Monoxide Emissions Tons/Yr:	0.003650651
NOX - Oxides of Nitrogen Tons/Yr:	0.00129801
SOX - Oxides of Sulphur Tons/Yr:	9.89e-005
Particulate Matter Tons/Yr:	0.000191862
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000191862

CERS:

Name:	SCG - KRAMER JUNCTION RECEIVING & PIGGING
Address:	SECTION 4 T10N R6W
City,State,Zip:	KRAMER JUNCTION, CA 93516
Site ID:	516361
CERS ID:	110058330916
CERS Description:	US EPA Air Emission Inventory System (EIS)

BS522 **SCG - KRAMER JUNCTION** **EMI** **S113749786**
SSE **SECTION 4, T10N R6W** **N/A**
1/2-1 **KRAMER JUNCTION, CA, CA 93516**
0.759 mi.
4009 ft. **Site 2 of 2 in cluster BS**

Actual:
2523 ft.

Focus Map:
54

EMI:

Name:	SCG - KRAMER JUNCTION
Address:	SECTION 4, T10N R6W
City,State,Zip:	KRAMER JUNCTION, CA, CA 93516
Year:	2010
County Code:	36
Air Basin:	MD
Facility ID:	3102441
Air District Name:	MOJ
SIC Code:	4922
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2.2937514383084101E-3
Reactive Organic Gases Tons/Yr:	0.00161053
Carbon Monoxide Emissions Tons/Yr:	0.0123033
NOX - Oxides of Nitrogen Tons/Yr:	4.3744999999999999E-3
SOX - Oxides of Sulphur Tons/Yr:	3.3320000000000002E-4
Particulate Matter Tons/Yr:	4.6040000000000002E-4
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.0001861

Name:	SCG - KRAMER JUNCTION
Address:	SECTION 4, T10N R6W
City,State,Zip:	KRAMER JUNCTION, CA, CA 93516
Year:	2011
County Code:	36
Air Basin:	MD
Facility ID:	3102441
Air District Name:	MOJ
SIC Code:	4922
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00025248656797
Reactive Organic Gases Tons/Yr:	0.00018743

SCG - KRAMER JUNCTION (Continued) **S113749786**

Carbon Monoxide Emissions Tons/Yr:	0.0010567
NOX - Oxides of Nitrogen Tons/Yr:	0.0003757
SOX - Oxides of Sulphur Tons/Yr:	2.863e-005
Particulate Matter Tons/Yr:	3.955e-005
Part. Matter 10 Micrometers and Smllr Tons/Yr:	1.599e-005

Name:	SCG-KRAMER JUNCTION
Address:	SECTION 4, T10N R6W
City,State,Zip:	KRAMER JUNCTION, CA 93516
Year:	2016
County Code:	36
Air Basin:	MD
Facility ID:	3102441
Air District Name:	MOJ
SIC Code:	4922
Air District Name:	MOJAVE DESERT AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0052350434197
Reactive Organic Gases Tons/Yr:	0.000526038
Carbon Monoxide Emissions Tons/Yr:	0.003778744
NOX - Oxides of Nitrogen Tons/Yr:	0.001343554
SOX - Oxides of Sulphur Tons/Yr:	0.000102365
Particulate Matter Tons/Yr:	0.000141423
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.000141423

BT523 **TEXACO EXPRESS LUBE** **HAZNET** **S113078528**
West **20400 CALIFORNIA CITY BLVD.** **HWTS** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.762 mi.
4021 ft. **Site 1 of 5 in cluster BT**

Actual:
2361 ft.

Focus Map:
29

HAZNET:

Name:	TEXACO EXPRESS LUBE
Address:	20400 CALIFORNIA CITY BLVD.
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
Contact:	BRUCE SHANKS, PARTNER
Telephone:	6193730286
Mailing Name:	Not reported
Mailing Address:	20400 CALIFORNIA CITY BLVD
Year:	2016
Gepaid:	CAL000143209
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.108
Year:	2015
Gepaid:	CAL000143209
TSD EPA ID:	CAD008252405
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.108
Year:	1996
Gepaid:	CAL000143209

TEXACO EXPRESS LUBE (Continued) **S113078528**

TSD EPA ID: CAT000613893
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: H01 - Transfer Station
Tons: 0.204

Additional Info:
Year: 1996
Gen EPA ID: CAL000143209

Shipment Date: 19961024
Creation Date: 5/20/1997 0:00:00
Receipt Date: 19961101
Manifest ID: 93540039
Trans EPA ID: ILD984908202
Trans Name: Not reported
Trans 2 EPA ID: ILD984908202
Trans 2 Name: Not reported
TSDF EPA ID: CAT000613893
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: Not reported
Meth Code: H01 - Transfer Station
Quantity Tons: 0.204
Waste Quantity: 60
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000143209

Shipment Date: 20150520
Creation Date: 1/20/2016 22:15:20
Receipt Date: 20150601
Manifest ID: 014397173JJK
Trans EPA ID: CAR000245050
Trans Name: ECOTRANS RECYCLING
Trans 2 EPA ID: CAR000009910
Trans 2 Name: CALIFORNIA ENVIRONMENTAL & LITHO
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: F005
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.108
Waste Quantity: 30
Quantity Unit: G

TEXACO EXPRESS LUBE (Continued) **S113078528**

Additional Code 1: F003
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2015
Gen EPA ID: CAL000143209

Shipment Date: 20150520
Creation Date: 1/20/2016 22:15:20
Receipt Date: 20150601
Manifest ID: 014397173JJK
Trans EPA ID: CAR000245050
Trans Name: ECOTRANS RECYCLING
Trans 2 EPA ID: CAR000009910
Trans 2 Name: CALIFORNIA ENVIRONMENTAL & LITHO
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: F005
Meth Code: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons: 0.108
Waste Quantity: 30
Quantity Unit: G
Additional Code 1: F003
Additional Code 2: D001
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: TEXACO EXPRESS LUBE
Address: 20400 CALIFORNIA CITY BLVD.
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA 935050000
EPA ID: CAL000143209
Inactive Date: 06/30/1998
Create Date: 11/21/1995
Last Act Date: 04/27/1999
Mailing Name: Not reported
Mailing Address: 20400 CALIFORNIA CITY BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: CALIFORNIA CITY, CA 935052900
Owner Name: BRUCE SHANKS, PARTNER
Owner Address: 20400 CALIFORNIA CITY BLVD
Owner Address 2: Not reported
Owner City,State,Zip: CALIFORNIA CITY, CA 935052900
Contact Name: BRUCE SHANKS, PARTNER
Contact Address: INACT PER 98VQ FINAL NOTICE
Contact Address 2: - BATCH 4/27
City,State,Zip: CALIFORNIA CITY, CA 935052900

BT524 **CASTROL PREMIUM LUBE EXPRESS** **CERS HAZ WASTE** **S113124280**
West **20400 CALIFORNIA CITY BLVD** **CERS TANKS** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505** **CUPA Listings**
0.762 mi. **HAZNET**
4021 ft. **Site 2 of 5 in cluster BT** **CERS**
HWTS

Actual:
2361 ft.

Focus Map:
29

CERS HAZ WASTE:

Name:	CASTROL PREMIUM LUBE EXPRESS
Address:	20400 CALIFORNIA CITY BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	103578
CERS ID:	10236532
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	CASTROL PREMIUM LUBE EXPRESS
Address:	20400 CALIFORNIA CITY BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	103578
CERS ID:	10236532
CERS Description:	Aboveground Petroleum Storage

KERN CO CUPA:

Facility ID:	FA0014974
CERS ID:	10236532
Name:	CASTROL PREMIUM LUBE EXPRESS
Address:	20400 CALIFORNIA CITY BLVD
Address 2:	20400 CALIFORNIA CITY BLVD
City,State,Zip:	CALIFORNIA CITY, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	3/31/2013
Current Inspection Date:	5/1/2022
Employee:	CUPA 3
Mailing Address:	20400 CALIFORNIA CITY BLVD
Mailing Address 2:	Not reported
Mailing City:	CALIFORNIA CITY
Mailing State:	CA
Mailing Zip:	93505

HAZNET:

Name:	CASTROL PREMIUM LUBE EXPRESS
Address:	20400 CALIFORNIA CITY BLVD
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935052900
Contact:	HAL FAIRBANK
Telephone:	8057019211
Mailing Name:	Not reported
Mailing Address:	20400 CALIFORNIA CITY BLVD
Year:	2019
Gepaid:	CAL000264749
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

Tons:	0.07500
Year:	2018
Gepaid:	CAL000264749
TSD EPA ID:	CAD097030993
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.15000
Year:	2009
Gepaid:	CAL000264749
TSD EPA ID:	CAD980813950
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.231

Additional Info:

Year:	2009
Gen EPA ID:	CAL000264749
Shipment Date:	20090902
Creation Date:	11/3/2009 18:30:08
Receipt Date:	20090902
Manifest ID:	005286052JJK
Trans EPA ID:	CAD980813950
Trans Name:	CRANE'S WASTE OIL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980813950
Trans Name:	CRANE'S WASTE OIL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.231
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	CASTROL PREMIUM LUBE EXPRESS
Address:	20400 CALIFORNIA CITY BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	103578
CERS ID:	10236532
CERS Description:	Chemical Storage Facilities

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

Violations:

Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	03-23-2016
Citation:	HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description:	Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes:	Returned to compliance on 05/18/2016. Facility did not submit their 2015 annual HMBP in CERS. Sent a reminder notice on February 18, 2016 and did not comply by provided deadline of March 18, 2016. Current deadline is April 8, 2016 or will pursue Administrative Enforcement Order and office hearing for non-compliance.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	05-18-2016
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 07/01/2016. The facility did not have an updated site layout/facility map. Please maintain an updated copy of this map on-site and submit a copy to the California Environmental Reporting System (CERS) within 30 days. A template of the requirements may be found on the Kern County Environmental Health web page.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	08-06-2013
Citation:	HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Description:	Failure to include adequate emergency response procedures in the business plan for a release or threatened release.
Violation Notes:	Returned to compliance on 11/12/2013. PROVIDE CONTINGENCY PLAN ON CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	05-18-2016
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes:	Returned to compliance on 08/15/2016. The facility did not have a spill prevention, control, and countermeasure (SPCC) plan. A template of this plan was provided to the facility. The facility has a total

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

capacity of 1,000 gallons of new motor oil and a total capacity of 600 gallons of used oil as explained per owner. This violation shall be corrected within 30 days. A copy of a completed plan shall be maintained on-site and submitted to truelovej@co.kern.ca.us.

Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 103578
Site Name: CASTROL PREMIUM LUBE EXPRESS
Violation Date: 05-18-2016
Citation: HSC 6.11 25404.1 - California Health and Safety Code, Chapter 6.11, Section(s) 25404.1
Violation Description: Failure to obtain and/or maintain an active hazardous waste generator permit.
Violation Notes: Returned to compliance on 07/18/2016. The facilities Environmental Protection Agency (EPA) id number was not active. The ID was inactivated on 06/30/2014. This violation shall be corrected within 30 days. Once this violation is corrected, please sign, date and submit the correction certificate at the end of this inspection report. This signed document may be submitted by e-mail to truelovej@co.kern.ca.us.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 103578
Site Name: CASTROL PREMIUM LUBE EXPRESS
Violation Date: 08-06-2013
Citation: 19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description: Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes: Returned to compliance on 11/12/2013. UPLOAD SITE MAP ON CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 103578
Site Name: CASTROL PREMIUM LUBE EXPRESS
Violation Date: 08-06-2013
Citation: 19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description: Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes: Returned to compliance on 01/23/2014. UPDATE YOUR HAZARDOUS MATERIALS INVENTORY ON CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 103578
Site Name: CASTROL PREMIUM LUBE EXPRESS
Violation Date: 05-22-2019
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

	6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	The site map in CERS is observed to be missing evacuation routes, emergency staging areas, locations of emergency equipment, adjacent properties, location of all hazardous materials/hazardous wastes and the date the map was drawn. Please revise the site map, discard the old site map and then upload and resubmit the new site map in CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	05-22-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Facility lacking an approved contingency plan. A contingency plan template has been provided. Please utilize the contingency plan template or create a contingency plan including all the required sections, elements and then phone numbers and then submit the training plan into CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	05-22-2019
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes:	Observed uncovered bucket containing used oil stored under the used oil filter crusher. The bucket must be securely closed when not crushing filters and actively adding oil to the bucket. The bucket must also either be transferred to the waste oil tanks daily. Please provide a photo of correction to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	05-22-2019
Citation:	22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)
Violation Description:	Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

	for transport shall be kept until receiving a signed copy from the designated facility which received the waste.
Violation Notes:	Facility lacking the last 3 years of hazardous waste manifests available for review. Please provide the last 3 years of hazardous waste manifests to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	08-06-2013
Citation:	HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description:	Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes:	Returned to compliance on 01/23/2014. UPLOAD TRAINING PROGRAM ON CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	05-22-2019
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 07/09/2019. Observed 12-15 improperly labeled and uncovered drums of uncrushed used oil filters. Please either properly cover and label all drums of used oil filters. Send evidence of correction (a photo of the propelry labeled and covered drums) to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Violation Date:	05-22-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes:	Facility lacking an approved training plan for all applicable employees. A training plan template has been provided. Please utilize the training plan template or create a training plan including all the required training elements and then submit the training plan into CERS
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-18-2016

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-18-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-22-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Once all the violations have been properly corrected please sing and return the last page of this inspection report
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-22-2019
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Observed 1585 gallons of petroleum. This facility should be included in the APSA program. Once all the violations have been properly corrected please sing and return the last page of this inspection report
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	07-26-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection to determine if facility should be put into the APSA program. Facility currently just above the APSA threshold. Owner will remove an 85 gallon oil tank and then send photos of the removed tank to me via trulovej@co.kern.ca.us. The removal of the tank will reduce the total quantity of reportable oils for the facility and therefore exempt him from the APSA program.
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-06-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 03-23-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-06-2013
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 103578
Site Name: CASTROL PREMIUM LUBE EXPRESS
Site Address: 20400 CALIFORNIA CITY BLVD
Site City: CALIFORNIA CITY
Site Zip: 93505
Enf Action Date: 03-23-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 103578
Site Name: CASTROL PREMIUM LUBE EXPRESS
Site Address: 20400 CALIFORNIA CITY BLVD
Site City: CALIFORNIA CITY
Site Zip: 93505
Enf Action Date: 04-14-2016
Enf Action Type: AEO - Unified Program
Enf Action Description: Administrative Enforcement Order Based on the Unified Program Statute
Enf Action Notes: Fines/Penalties Assessed: $500.00.
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

Site ID:	103578
Site Name:	CASTROL PREMIUM LUBE EXPRESS
Site Address:	20400 CALIFORNIA CITY BLVD
Site City:	CALIFORNIA CITY
Site Zip:	93505
Enf Action Date:	08-06-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS

Coordinates:

Site ID:	103578
Facility Name:	CASTROL PREMIUM LUBE EXPRESS
Env Int Type Code:	HWG
Program ID:	10236532
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.116890
Longitude:	-117.936760

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	20400 CALIFORNIA CITY BLVD
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	HAL FAIRBANK
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 701-9211

Affiliation Type Desc:	Document Preparer
Entity Name:	HAL S FAIRBANK
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Parent Corporation
Entity Name:	Castrol Premium Lube Express

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Environmental Contact
Entity Name:	HAL S Fairbank
Entity Title:	Not reported
Affiliation Address:	20400 California City Blvd
Affiliation City:	California City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	HAL FAIRBANK
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Hal S FAIRBANK IV
Entity Title:	Not reported
Affiliation Address:	20400 California City Blvd
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93505
Affiliation Phone:	(805) 701-9211
Affiliation Type Desc:	Legal Owner
Entity Name:	HAL FAIRBANK
Entity Title:	Not reported
Affiliation Address:	20400 CALIFORNIA CITY BLVD BLVD
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93505
Affiliation Phone:	(805) 701-9211

CASTROL PREMIUM LUBE EXPRESS (Continued) **S113124280**

HWTS:

Name:	CASTROL PREMIUM LUBE EXPRESS
Address:	20400 CALIFORNIA CITY BLVD
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
EPA ID:	CAL000264749
Inactive Date:	06/30/2020
Create Date:	01/10/2003
Last Act Date:	01/04/2021
Mailing Name:	Not reported
Mailing Address:	20400 CALIFORNIA CITY BLVD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 935052900
Owner Name:	HAL FAIRBANK
Owner Address:	20400 CALIFORNIA CITY BLVD
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 935052900
Contact Name:	HAL FAIRBANK
Contact Address:	20400 CALIFORNIA CITY BLVD
Contact Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935052900

NAICS:

EPA ID:	CAL000264749
Create Date:	2003-01-10 15:05:24.110
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2003-01-10 15:05:24.09300
Inactive Date:	2020-06-30 00:00:00
Facility Name:	CASTROL PREMIUM LUBE EXPRESS
Facility Address:	20400 CALIFORNIA CITY BLVD
Facility Address 2:	Not reported
Facility City:	CALIFORNIA CITY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935050000

BT525 **CASTROL PREMIUM LUBE EXPRESS** **FINDS 1023323877**
West **20400 CALIFORNIA CITY BLVD** **ECHO N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.762 mi.
4021 ft. **Site 3 of 5 in cluster BT**

Actual:
2361 ft.

FINDS:
Registry ID: 110066178549

Focus Map:
29

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

CASTROL PREMIUM LUBE EXPRESS (Continued) **1023323877**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1023323877
Registry ID:	110066178549
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110066178549
Name:	CASTROL PREMIUM LUBE EXPRESS
Address:	20400 CALIFORNIA CITY BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505

BT526 **CASTROL PREMIUM LUBE EXPRESS** **RCRA NonGen / NLR** **1024805621**
West **20400 CALIFORNIA CITY BLVD** **CAL000264749**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.762 mi.
4021 ft. **Site 4 of 5 in cluster BT**

Actual:
2361 ft.

Focus Map:
29

RCRA NonGen / NLR:

Date Form Received by Agency:	20030110
Handler Name:	CASTROL PREMIUM LUBE EXPRESS
Handler Address:	20400 CALIFORNIA CITY BLVD
Handler City,State,Zip:	CALIFORNIA CITY, CA 93505-0000
EPA ID:	CAL000264749
Contact Name:	HAL FAIRBANK
Contact Address:	20400 CALIFORNIA CITY BLVD
Contact City,State,Zip:	CALIFORNIA CITY, CA 93505-2900
Contact Telephone:	805-701-9211
Contact Fax:	760-373-4215
Contact Email:	HALFAIRBANK@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	20400 CALIFORNIA CITY BLVD
Mailing City,State,Zip:	CALIFORNIA CITY, CA 93505-2900
Owner Name:	HAL FAIRBANK
Owner Type:	Other
Operator Name:	HAL FAIRBANK
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes

CASTROL PREMIUM LUBE EXPRESS (Continued) **1024805621**

Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	HAL FAIRBANK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20400 CALIFORNIA CITY BLVD
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505-2900
Owner/Operator Telephone:	805-701-9211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

CASTROL PREMIUM LUBE EXPRESS (Continued) **1024805621**

Owner/Operator Indicator:	Operator
Owner/Operator Name:	HAL FAIRBANK
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20400 CALIFORNIA CITY BLVD
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505-2900
Owner/Operator Telephone:	805-701-9211
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20030110
Handler Name:	CASTROL PREMIUM LUBE EXPRESS
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	811111
NAICS Description:	GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

BT527 **TEXACO EXPRESS LUBE** **HAZNET** **S113095300**
West **20400 CALIFORNIA CITY BLVD** **HWTS** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.762 mi.
4021 ft. **Site 5 of 5 in cluster BT**

Actual:
2361 ft.

Focus Map:
29

HAZNET:

Name:	TEXACO EXPRESS LUBE
Address:	20400 CALIFORNIA CITY BLVD
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
Contact:	SCOTT BONHAM
Telephone:	7603734080
Mailing Name:	Not reported
Mailing Address:	20400 CALIFORNIA CITY BLVD
Year:	1999
Gepaid:	CAL000179961
TSD EPA ID:	CAT080013352

TEXACO EXPRESS LUBE (Continued) **S113095300**

CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: R01 - Recycler
Tons: 0.1042

Additional Info:
Year: 1999
Gen EPA ID: CAL000179961

Shipment Date: 19991217
Creation Date: 3/7/2000 0:00:00
Receipt Date: 19991220
Manifest ID: 99774327
Trans EPA ID: CAD028277036
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080013352
Trans Name: Not reported
TSDF Alt EPA ID: CAT080013352
TSDF Alt Name: Not reported
Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Meth Code: R01 - Recycler
Quantity Tons: 0.1042
Waste Quantity: 25
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: TEXACO EXPRESS LUBE
Address: 20400 CALIFORNIA CITY BLVD
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA 935050000
EPA ID: CAL000179961
Inactive Date: 06/30/1998
Create Date: 10/10/1997
Last Act Date: 04/27/1999
Mailing Name: Not reported
Mailing Address: 20400 CALIFORNIA CITY BLVD
Mailing Address 2: Not reported
Mailing City,State,Zip: CALIFORNIA CITY, CA 935050000
Owner Name: JOHN BYINGTON
Owner Address: 20400 CALIFORNIA CITY BLVD
Owner Address 2: Not reported
Owner City,State,Zip: CALIFORNIA CITY, CA 935050000
Contact Name: SCOTT BONHAM
Contact Address: INACT PER 98VQ FINAL NOTICE
Contact Address 2: - BATCH 4/27
City,State,Zip: CALIFORNIA CITY, CA 935050000

BU528 **ERNS** **2012007012**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 1 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU529 **ERNS** **2012018205**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 2 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU530 **CHMIRS** **S110982986**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 3 of 13 in cluster BU**

Actual:
2393 ft.

Focus Map:
42

CHMIRS:

Name:	Not reported
Address:	14886 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	10-7353
OES notification:	12/07/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported

(Continued) **S110982986**

Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1100
Year:	2010
Agency:	NRC
Incident Date:	12/7/2010
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sewage
Quantity Released:	10000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	CALLER IS REPORTING MATERIAL WAS RELEASED FROM A SEWAGE LINE DUE TO AN OBSTRUCTION THAT BACKED UP THE SYSTEM. MATERIAL WAS BACKED UP AND SPILLED ONTO LAND. VACUUM TRUCK RECOVERED 8000 GALLONS AND PUMPED IT INTO A DRY EVAPORATION POND, LINE WAS CLEANED OUT AND NOW FUNCTIONING.

BU531 **CHMIRS** **S110982906**
North **14886 BORAX ROAD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 4 of 13 in cluster BU**

Actual:
2393 ft.

Focus Map:
42

CHMIRS:

Name:	Not reported
Address:	14886 BORAX ROAD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	18-2134
OES notification:	04/02/2018
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	None
Spill Site:	Other
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	CHEMICAL
Measure:	Gal(s)
Other:	Not reported
Date/Time:	830
Year:	2018
Agency:	U.S. Borax Inc.
Incident Date:	04/02/2018
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	None

(Continued) **S110982906**

E Date:	Not reported
Substance:	Effluent (liquid waste)
Quantity Released:	500-600
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	A pipeline valve was left open at the open pit mine due to unknown reasons. The incident resulted in a effluent release to a designated containment area within BAT #3 (name of area on property). The release is on-going. No exposures or injuries were reported. A sampling of the release has been taken and results are pending. A contractor is on-site and will be handling the cleanup. No public grounds were impacted by this release.
Name:	Not reported
Address:	14886 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	10-7252
OES notification:	12/03/2010
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported

(Continued) **S110982906**

CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1000
Year:	2010
Agency:	US Borax Co
Incident Date:	12/3/2010
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Sewage
Quantity Released:	10000
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Caller states the pipeline suffered a blockage resulting in substance releasing from a manhole to a soil area. Caller states a vacuum truck was used for clean-up. Caller states clean-up has been completed. Caller states 80% of the release has been recovered.
Name:	Not reported
Address:	14886 BORAX RD
City,State,Zip:	BORON, CA 93516
OES Incident Number:	13-4449
OES notification:	07/19/2013
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported

(Continued) **S110982906**

Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	600
Year:	2013
Agency:	NRC
Incident Date:	7/19/2013
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Alcohol - Processed Liquor
Quantity Released:	12,500
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported

(Continued) **S110982906**

Fatals: Not reported
Comments: Not reported
Description: Per NRC report: Caller stated that a tank overflowed and released processed liquor and discharged the material onto a concrete slab and into footing, material vacuumed up, recovered 98%.
Not reported

BU532 **ERNS** **2016147520**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 5 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU533 **ERNS** **2016147366**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 6 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU534 **ERNS** **2014097783**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 7 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU535 **ERNS** **2014076264**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 8 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU536 **ERNS** **2010961364**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 9 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU537 **U.S. BORAX, INC.** **FINDS** **1024420472**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 10 of 13 in cluster BU**

Actual:
2393 ft.

FINDS:
Registry ID: 110070339139

Focus Map:
42

Click Here:

Environmental Interest/Information System:
OSHA ESTABLISHMENT

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BU538 **ERNS** **2012026041**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 11 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU539 **ERNS** **2013054441**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 12 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

BU540 **ERNS** **2010961653**
North **14886 BORAX RD** **N/A**
1/2-1 **BORON, CA 93516**
0.762 mi.
4023 ft. **Site 13 of 13 in cluster BU**

Actual:
2393 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Focus Map:
42

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541 **MARSHALL BOND** **MINES MRDS** **1025689812**
South **N/A**
1/2-1 **EDWARDS, CA 93523**
0.762 mi.
4025 ft.

Actual:
2359 ft.

Focus Map:
41

MINES MRDS:

Name:	MARSHALL BOND
Address:	Not reported
Deposit identification Number:	10212160
City,State,Zip:	EDWARDS, CALIFORNIA 93523
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10212160
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060291038
Region:	NA
Country:	United States
Primary Commodities:	Boron-Borates
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Unknown
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported

MARSHALL BOND (Continued) **1025689812**

Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Ridenour, James
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.0322
Longitude:	-117.76169

BV542 **NASA JET PROPULSION LAB** **HAZNET** **S112836447**
East **NORTH BASE RD, EDWARDS AFB** **CERS** **N/A**
1/2-1 **EDWARDS, CA 93523** **HWTS**
0.766 mi.
4044 ft. **Site 1 of 3 in cluster BV**

Actual:
2303 ft.

Focus Map:
48

HAZNET:

Name:	NASA JET PROPULSION LAB
Address:	NORTH BASE RD, EDWARDS AFB
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 935230000
Contact:	FOSTER MCLEAN/ENVIRO ENGINEER
Telephone:	8183540635
Mailing Name:	Not reported
Mailing Address:	4800 OAK GROVE DRIVE M/S 171-225
Year:	2015
Gepaid:	CA2570090512
TSD EPA ID:	TXD055135388
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.013
Year:	1995
Gepaid:	CA2570090512
TSD EPA ID:	CAD028409019
CA Waste Code:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	H01 - Transfer Station
Tons:	0.231
Year:	1995
Gepaid:	CA2570090512
TSD EPA ID:	CAT080033681
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	R01 - Recycler
Tons:	0.1251

NASA JET PROPULSION LAB (Continued) **S112836447**

Year: 1995
Gepaid: CA2570090512
TSD EPA ID: CAD028409019
CA Waste Code: -
Disposal Method: T01 - Treatment, Tank
Tons: 0.015

Year: 1995
Gepaid: CA2570090512
TSD EPA ID: CAD028409019
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: T01 - Treatment, Tank
Tons: 1.368

Year: 1995
Gepaid: CA2570090512
TSD EPA ID: UTD991301748
CA Waste Code: 551 - Laboratory waste chemicals
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.129

Year: 1995
Gepaid: CA2570090512
TSD EPA ID: CAD008488025
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: T01 - Treatment, Tank
Tons: 414.915

Year: 1995
Gepaid: CA2570090512
TSD EPA ID: CAD097030993
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: R01 - Recycler
Tons: 20.85

Year: 1995
Gepaid: CA2570090512
TSD EPA ID: CAT080033681
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: D99 - Disposal, Other
Tons: 0.11

Year: 1995
Gepaid: CA2570090512
TSD EPA ID: CAT080033681
CA Waste Code: -
Disposal Method: D99 - Disposal, Other
Tons: 1

Click this hyperlink while viewing on your computer to access
48 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2015
Gen EPA ID: CA2570090512

NASA JET PROPULSION LAB (Continued) **S112836447**

Shipment Date:	20150213
Creation Date:	7/23/2015 22:15:32
Receipt Date:	20150227
Manifest ID:	002315188GBF
Trans EPA ID:	CAL000374347
Trans Name:	HAZ MAT SERVICES INC
Trans 2 EPA ID:	CAR000206086
Trans 2 Name:	NORTH STATE ENVIRONMENTAL
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.007
Waste Quantity:	14
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150213
Creation Date:	7/23/2015 22:15:32
Receipt Date:	20150227
Manifest ID:	002315188GBF
Trans EPA ID:	CAL000374347
Trans Name:	HAZ MAT SERVICES INC
Trans 2 EPA ID:	CAR000206086
Trans 2 Name:	NORTH STATE ENVIRONMENTAL
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENVIRONMENTAL INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.006
Waste Quantity:	12
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CA2570090512

Shipment Date:	19941020
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941024

NASA JET PROPULSION LAB (Continued) **S112836447**

Manifest ID:	93753963
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19941020
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941024
Manifest ID:	93753963
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19941020
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941024
Manifest ID:	93753963
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

NASA JET PROPULSION LAB (Continued) **S112836447**

Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941020
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941026
Manifest ID:	93753974
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941020
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941026
Manifest ID:	93758110
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

NASA JET PROPULSION LAB (Continued) **S112836447**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941020
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941026
Manifest ID:	93758110
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.1467
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941020
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941024
Manifest ID:	93753963
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940629
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940701
Manifest ID:	93754049
Trans EPA ID:	CAD081157166
Trans Name:	Not reported

NASA JET PROPULSION LAB (Continued) **S112836447**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD067786749
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940629
Creation Date:	10/10/1995 0:00:00
Receipt Date:	19940705
Manifest ID:	93374618
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940629
Creation Date:	10/10/1995 0:00:00
Receipt Date:	19940705
Manifest ID:	93374618
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	T03 - Treatment, Incineration

NASA JET PROPULSION LAB (Continued) **S112836447**

Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CA2570090512
Shipment Date:	19931216
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19931221
Manifest ID:	93374614
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	F002
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931216
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19931221
Manifest ID:	93374614
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.198
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

NASA JET PROPULSION LAB (Continued) **S112836447**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931216
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931221
Manifest ID:	93374640
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982524613
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	132 - Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals
RCRA Code:	D011
Meth Code:	- Not reported
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931216
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931221
Manifest ID:	93374616
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931216
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931221
Manifest ID:	93374619

NASA JET PROPULSION LAB (Continued) **S112836447**

Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD067786749
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.0842
Waste Quantity:	0.1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931111
Manifest ID:	93374424
Trans EPA ID:	CAT080022148
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.029
Waste Quantity:	58
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931111
Manifest ID:	93374424
Trans EPA ID:	CAT080022148
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

NASA JET PROPULSION LAB (Continued) **S112836447**

RCRA Code:	D003
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.016
Waste Quantity:	32
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931111
Manifest ID:	93374424
Trans EPA ID:	CAT080022148
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.184
Waste Quantity:	368
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931111
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931111
Manifest ID:	93374424
Trans EPA ID:	CAT080022148
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080022148
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.0555
Waste Quantity:	111
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

NASA JET PROPULSION LAB (Continued) **S112836447**

Additional Code 5:	Not reported
Shipment Date:	19930526
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930528
Manifest ID:	92680871
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD008364432
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.594
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CA2570090512
Shipment Date:	19951002
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951005
Manifest ID:	95139636
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.209
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951002
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951006

NASA JET PROPULSION LAB (Continued) **S112836447**

Manifest ID:	95139713
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009452657
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.2293
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950928
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951002
Manifest ID:	95664372
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950928
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951002
Manifest ID:	95173410
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD991301748
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

NASA JET PROPULSION LAB (Continued) **S112836447**

Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.0165
Waste Quantity:	33
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950928
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951002
Manifest ID:	95664372
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950928
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951002
Manifest ID:	95664372
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D018
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.8131
Waste Quantity:	195
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

NASA JET PROPULSION LAB (Continued) **S112836447**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950928
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951002
Manifest ID:	95664372
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.0625
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950831
Creation Date:	4/1/1996 0:00:00
Receipt Date:	19950901
Manifest ID:	95664995
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	D007
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0495
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950831
Creation Date:	4/1/1996 0:00:00
Receipt Date:	19950901
Manifest ID:	95664995
Trans EPA ID:	CAD081157166
Trans Name:	Not reported

NASA JET PROPULSION LAB (Continued) **S112836447**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1815
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950831
Creation Date:	4/1/1996 0:00:00
Receipt Date:	19950901
Manifest ID:	95664995
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.114
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	NASA JET PROPULSION LAB
Address:	NORTH BASE RD, EDWARDS AFB
City,State,Zip:	EDWARDS, CA 935230000
Site ID:	190286
CERS ID:	CA2570090512
CERS Description:	Hazardous Waste

Affiliation:

Affiliation Type Desc:	Facility Contact
Entity Name:	FOSTER MCLEAN/ENVIRO ENGINEER
Entity Title:	Not reported
Affiliation Address:	INACT 99VQ FINAL NOTICE - BATCH4/11/00
Affiliation City:	PASADENA
Affiliation State:	CA

NASA JET PROPULSION LAB (Continued) **S112836447**

Affiliation Country: Not reported
Affiliation Zip: 911098001
Affiliation Phone: 8183540635

Affiliation Type Desc: Facility Owner
Entity Name: NASA PROPULSION LAB
Entity Title: Not reported
Affiliation Address: 4800 OAK GROVE DR # 171-225
Affiliation City: PASADENA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 911098001
Affiliation Phone: 8183540635

HWTS:
Name: NASA JET PROPULSION LAB
Address: NORTH BASE RD, EDWARDS AFB
Address 2: Not reported
City,State,Zip: EDWARDS, CA 935230000
EPA ID: CA2570090512
Inactive Date: 06/30/1999
Create Date: 06/29/1990
Last Act Date: 04/02/2003
Mailing Name: Not reported
Mailing Address: 4800 OAK GROVE DRIVE M/S 171-225
Mailing Address 2: Not reported
Mailing City,State,Zip: PASADENA, CA 911098001
Owner Name: NASA PROPULSION LAB
Owner Address: 4800 OAK GROVE DR # 171-225
Owner Address 2: Not reported
Owner City,State,Zip: PASADENA, CA 911098001
Contact Name: FOSTER MCLEAN/ENVIRO ENGINEER
Contact Address: INACT 99VQ FINAL NOTICE - BATCH
Contact Address 2: 4/11/00
City,State,Zip: PASADENA, CA 911098001

BV543 **NASA JET PROPULSION** **CERS** **S123510135**
East **NORTH BASE RD, EDWARDS AFB** **N/A**
1/2-1 **EDWARDS, CA 93523**
0.766 mi.
4044 ft. **Site 2 of 3 in cluster BV**

Actual:
2303 ft.

Focus Map:
48

CERS:
Name: NASA JET PROPULSION
Address: NORTH BASE RD, EDWARDS AFB
City,State,Zip: EDWARDS, CA 935230000
Site ID: 340389
CERS ID: 80001245
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: SUSAN FEARS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported

NASA JET PROPULSION (Continued) **S123510135**

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

BV544 **NASA JET PROPULSION LAB** **ENVIROSTOR** **S100865130**
East **NORTH BASE RD, EDWARDS AFB** **HWP** **N/A**
1/2-1 **EDWARDS, CA 93523**
0.770 mi.
4064 ft. **Site 3 of 3 in cluster BV**

Actual:
2303 ft.

Focus Map:
48

ENVIROSTOR:
Name: NASA JET PROPULSION LAB
Address: NORTH BASE RD, EDWARDS AFB
City,State,Zip: EDWARDS, CA 935230000
Facility ID: 80001245
Status: Refer: SMBRP
Status Date: 01/01/2008
Site Code: Not reported
Site Type: Corrective Action
Site Type Detailed: Corrective Action
Acres: 0
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: MBR
Program Manager: Not reported
Supervisor: Susan Fears
Division Branch: Cleanup Legacy Landfills
Assembly: 36
Senate: 16
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 35.00005
Longitude: -117.8675
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CA2570090512
Alias Type: EPA Identification Number
Alias Name: 80001245
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/01/1993
Comments: The Expanded Site Investigation/RFA is the parent document for this facility. This RFA consists of 8 volumes (1 through 8). All the CA events relate to JPL deals with OU#5. OU#5 is described in Volume 5 (Appendix D) of the RFA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

NASA JET PROPULSION LAB (Continued) **S100865130**

Completed Document Type: Consent Order
Completed Date: 09/24/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/22/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 05/22/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWP:
EPA ID: CA2570090512
Name: NASA JET PROPULSION LAB
Address: NORTH BASE RD, EDWARDS AFB
Cleanup Status: CLOSED
Latitude: 35.00005
Longitude: -117.8675
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported
Site Code: Not reported
Senate District: 16
Assembly District: 36
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: NASA Jet Propulsion Lab (JPL) was a research facility located at Edwards Air Force Base. A hazardous waste facility permit application for one OBOD unit was submitted October 26, 1990. No permit was issued. A closure verification was issued on November 26, 1997. The entire facility has closed. Corrective action for JPL is linked to Edwards Air Force Base by the Federal Facility Agreement (FFA) and RCRA Facility Assessment (RFA). The FFA applies jointly to Edwards Air Force Base and its tenant properties, including JPL. For purposes of the RFA, Edwards Air Force Base was divided into ten Operable Units (OU), which define separate land areas. JPL was designated in the RFA as OU 5.
Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: Not reported
Permit Expiration Date: Not reported

NASA JET PROPULSION LAB (Continued) **S100865130**

Calenviroscreen Score: 46-50%
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/08/1990

EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-07-20 00:00:00
Type: RCRA
Title Description: PERMIT1 - OBOD1 (IRP OU 5)
Due Date: Not reported
Comments: Not reported
Unit Names: OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 10/26/1990

EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported

NASA JET PROPULSION LAB (Continued) **S100865130**

Comments: Not reported
Unit Names: OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 10/26/1990

EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-07-20 00:00:00
Type: RCRA
Title Description: PERMIT1 - OBOD1 (IRP OU 5)
Due Date: Not reported
Comments: Not reported
Unit Names: OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 07/20/1995

EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-07-20 00:00:00
Type: RCRA
Title Description: PERMIT1 - OBOD1 (IRP OU 5)
Due Date: Not reported
Comments: Not reported
Unit Names: OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/08/1990

EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-07-20 00:00:00
Type: RCRA
Title Description: PERMIT1 - OBOD1 (IRP OU 5)
Due Date: Not reported

NASA JET PROPULSION LAB (Continued) **S100865130**

Comments: Not reported
Unit Names: OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description: New Operating Permit - PERMIT TERMINATED - TERMINATION APPROVED
Actual Date: 07/20/1995

EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-07-20 00:00:00
Type: RCRA
Title Description: PERMIT1 - OBOD1 (IRP OU 5)
Due Date: 11/25/1990
Comments: Not reported
Unit Names: OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description: New Operating Permit - INITIAL ADMINISTRATIVE REVIEW COMPLETED
Actual Date: 11/25/1990

Closure:
EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: CLOSURE1 - OBOD1 (IRP OU 5)
Due Date: Not reported
Comments: Not reported
Unit Names: OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description: Closure Final - PUBLIC COMMENT (BEGIN)
Actual Date: 11/01/1995

EPA ID: CA2570090512
Facility Type: Historical - Non-Operating
Facility Name: NASA JET PROPULSION LAB
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: CLOSURE1 - OBOD1 (IRP OU 5)
Due Date: Not reported
Comments: Not reported

NASA JET PROPULSION LAB (Continued) **S100865130**

Unit Names:	OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description:	Closure Final - CLOSURE NOTICE RECEIVED
Actual Date:	07/20/1995
EPA ID:	CA2570090512
Facility Type:	Historical - Non-Operating
Facility Name:	NASA JET PROPULSION LAB
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	CLOSURE1 - OBOD1 (IRP OU 5)
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	11/26/1997
EPA ID:	CA2570090512
Facility Type:	Historical - Non-Operating
Facility Name:	NASA JET PROPULSION LAB
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	CLOSURE1 - OBOD1 (IRP OU 5)
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description:	Closure Final - CLOSURE PLAN REQUESTED
Actual Date:	11/07/1995
EPA ID:	CA2570090512
Facility Type:	Historical - Non-Operating
Facility Name:	NASA JET PROPULSION LAB
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	CLOSURE1 - OBOD1 (IRP OU 5)
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description:	Closure Final - PUBLIC COMMENT (END)
Actual Date:	12/16/1995

NASA JET PROPULSION LAB (Continued) **S100865130**

EPA ID:	CA2570090512
Facility Type:	Historical - Non-Operating
Facility Name:	NASA JET PROPULSION LAB
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	CLOSURE1 - OBOD1 (IRP OU 5)
Due Date:	Not reported
Comments:	Not reported
Unit Names:	OBOD1 - IRP OU 5 SWMU#J-E50/1
Event Description:	Closure Final - CLOSURE PLAN APPROVED
Actual Date:	11/07/1995

---

545 North 1/2-1 0.771 mi. 4071 ft.

Actual: 2459 ft.

Focus Map: 52

HENRY DELGADO **HAZNET S120989378**
27132 COTE ST **HWTS N/A**
BORON, CA 93516

HAZNET:

Name:	HENRY DELGADO
Address:	27132 COTE ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161621
Contact:	HENRY DELGADO
Telephone:	9093318589
Mailing Name:	Not reported
Mailing Address:	27132 COTE ST
Year:	2016
Gepaid:	CAC002845467
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.92

HWTS:

Name:	HENRY DELGADO
Address:	27132 COTE ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161621
EPA ID:	CAC002845467
Inactive Date:	04/21/2016
Create Date:	01/20/2016
Last Act Date:	04/21/2016
Mailing Name:	Not reported
Mailing Address:	27132 COTE ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935161621

HENRY DELGADO (Continued) **S120989378**

Owner Name:	HENRY DELGADO
Owner Address:	27132 COTE ST
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935161621
Contact Name:	HENRY DELGADO
Contact Address:	27132 COTE ST
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935161621

546
West
1/2-1
0.785 mi.
4145 ft.

21446 JONATHAN
CALIFORNIA CITY, CA

CHMIRS **S105662509**
N/A

Actual:
2348 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	21446 JONATHAN
City,State,Zip:	CALIFORNIA CITY, CA
OES Incident Number:	9-1171
OES notification:	03/13/1999
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	gas company
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported

(Continued) **S105662509**

Year:	1999
Agency:	California City FD
Incident Date:	3/13/199912:00:00 AM
Admin Agency:	California City Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Residence
E Date:	Not reported
Substance:	natural gas
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	5
Number of Injuries:	1
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Natural gas leak at a private residence. Natural gas line was ruptured while digging a trench.

547
South
1/2-1
0.786 mi.
4149 ft.

21671 BANCROFT DR
CALIFORNIA CITY, CA 93535

CHMIRS **S105656756**
N/A

Actual:
2340 ft.

Focus Map:
20

CHMIRS:

Name:	Not reported
Address:	21671 BANCROFT DR
City,State,Zip:	CALIFORNIA CITY, CA 93535
OES Incident Number:	8-1729
OES notification:	04/13/1998
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported

(Continued) **S105656756**

Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	California City FD
Incident Date:	4/13/199812:00:00 AM
Admin Agency:	California City Fire Department
Amount:	Not reported
Contained:	No
Site Type:	Residence
E Date:	Not reported
Substance:	Natural Gas
Gallons:	0.000000
Unknown:	0
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	2" gas main severed; line shut down, repairs underway.

BW548 **BORON AFS Z-59** **ENVIROSTOR** **S107735957**
WSW **N/A**
1/2-1 **BORON, CA**
0.789 mi.
4167 ft. **Site 1 of 2 in cluster BW**

Actual:
2884 ft.

Focus Map:
36

ENVIROSTOR:

Name:	BORON AFS Z-59
Address:	Not reported
City,State,Zip:	BORON, CA
Facility ID:	80000352
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	830
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	33
Senate:	16
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	35.07916
Longitude:	-117.5811
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F537400
Alias Type:	Federal Facility ID
Alias Name:	J09CA0248
Alias Type:	INPR
Alias Name:	80000352
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

BW549 **BORON AIR FORCE STATION Z-59** **FUDS** **1024903487**
WSW **N/A**
1/2-1 **5.75 MILES NE OF BORON, CA**
0.790 mi.
4169 ft. **Site 2 of 2 in cluster BW**

Actual:
2884 ft.

Focus Map:
36

FUDS:

EPA Region:	9
Installation ID:	CA99799F537400
Congressional District Number:	8
Name:	BORON AIR FORCE STATION Z-59
FUDS Number:	J09CA0248
City:	5.75 MILES NE OF BORON
State:	CA
County:	SAN BERNARDINO
Object ID:	9342
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties with all projects at site closeout
Current Owner:	OTHER: OTHER DEPT OF JUSTICE, BUREAU OF PRISONERS, CA ST. DEPT. OF FISH & GAME, FEDERAL PRISON CAMP, WILDLIFE REFUGE , OTHER DEPT OF JUSTICE, BUREAU OF PRISONERS, CA ST. DEPT. OF FISH & GAME, FEDERAL PRISON CAMP, WILDLIFE REFUGE STATE: STATE DE
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=53640
Eligibility:	Eligible
Has Projects:	Yes
NPL Status:	Not on the NPL
Property History:	The site was an air station that provided long-range coverage. The Boron Air Force Station Z-59 was acquired by the Air Force in various transactions from 1950 - 1952. Part of the site is now being used as a federal prison camp under jurisdiction of the
Project Required:	Yes
Feature Description:	Not reported
Latitude:	35.0791666699999
Longitude:	-117.581111109999

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	CA9799F5374
RAB:	Not reported
NPL Status:	Not Listed
Description:	The site comprised 829.94 acres, off of U.S. Highway 395, approximately 10 miles northeast of Boron and 35 miles northwest of Barstow, San Bernardino County, California. The area was developed as the Boron Air Force Station, with a mission of providing long-range coverage for the Los Angeles Air Defense Sector as a radar station. Boron Air Force Station was declared excess to the requirement of DoD and reported to GSA for disposal on 30 April 1975. 640 acres were quit claimed to the State of California, Department of Fish and Game, on 6 July 1978. The license for 7 acres was terminated and 182.94 acres were transferred to the Department of Justice, Bureau of Prisons, on 30 January 1979.
History:	The site was an air station that provided long-range coverage. The Boron Air Force Station Z-59 was acquired by the Air Force in various transactions from 1950 - 1952. Part of the site is now being used as a federal prison camp under jurisdiction of the U.S. Department of Justice, and part is owned by the California State Department of Fish and Game. The radar tower, generator building, entry road from the highway, and associated support equipment were transferred to the

BORON AIR FORCE STATION Z-59 (Continued) **1024903487**

Federal Aviation Administration for their use, The 640-acre portion of land to the southeast was temporarily transferred, in 1963, to the U.S. Army Reserve for use as an outdoor training site (DERP Project No. J09CA066400). The land reverted back to the Air Force in 1967. The California State Department of Fish and Game later acquired the 640-acre tract for use as a wildlife refuge in 1978.

CTC: 208
Current Program: Not reported
Future Program: Not reported
Institutional ID: 53640

BX550 **KERN COUNTY FIRE DEPT STATION 17** **UST** **U004113256**
North **26965 COTE ST** **N/A**
1/2-1 **BORON, CA**
0.795 mi.
4199 ft. **Site 1 of 10 in cluster BX**

Actual:
2454 ft.

Focus Map:
52

KERN CO. UST:

Name:	KERN COUNTY FIRE DEPT STATION 17
Address:	26965 COTE ST
City:	BORON
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	560008
Owner Name:	KERN COUNTY FIRE DEPARTMENT
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

BX551 **KERN COUNTY FIRE DEPARTMENT #17** **FINDS** **1023277192**
North **26965 COTE ST** **N/A**
1/2-1 **BORON, CA 93516**
0.795 mi.
4199 ft. **Site 2 of 10 in cluster BX**

Actual:
2454 ft.

Focus Map:
52

FINDS:
Registry ID: 110065675861

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BX552 **KERN COUNTY FIRE DEPARTMENT** **HWTS** **S124600620**
North **26965 COTE ST** **N/A**
1/2-1 **BORON, CA 93516**
0.795 mi.
4199 ft. **Site 3 of 10 in cluster BX**

Actual: **2454 ft.**
Focus Map: **52**

HWTS:

Name:	KERN COUNTY FIRE DEPARTMENT
Address:	26965 COTE ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161517
EPA ID:	CAC002641482
Inactive Date:	10/18/2009
Create Date:	04/20/2009
Last Act Date:	12/02/2009
Mailing Name:	Not reported
Mailing Address:	5642 VICTOR ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 933084056
Owner Name:	KERN COUNTY
Owner Address:	5642 VICTOR ST
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 933084056
Contact Name:	MARK RATEKIN
Contact Address:	5642 VICTOR ST
Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 933084056

BX553 **KERN COUNTY FIRE DEPARTMENT #17** **EMI** **S124455769**
North **26965 COTE STREET** **N/A**
1/2-1 **BORON, CA 93516**
0.795 mi.
4199 ft. **Site 4 of 10 in cluster BX**

Actual: **2454 ft.**
Focus Map: **52**

EMI:

Name:	KERN COUNTY FIRE DEPARTMENT #17
Address:	26965 COTE STREET
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	8458018
Air District Name:	KER
SIC Code:	5541
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0046
Reactive Organic Gases Tons/Yr:	0.0046
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

BX554 **KERN CO FIRE DEPT STATION #17** **LUST** **S101620894**
North **26965 COTE ST** **SWEEPS UST** **N/A**
1/2-1 **BORON, CA 93516** **HIST UST**
0.795 mi. **CA FID UST**
4199 ft. **Site 5 of 10 in cluster BX** **Cortese**
CERS

Actual:
2454 ft.

Focus Map:
52

LUST:

Name:	BORON FIRE STATION #17
Address:	26965 COTE ST
City,State,Zip:	BORON, CA 93516
Lead Agency:	LAHONTAN RWQCB (REGION 6T)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900899
Global Id:	T0602900899
Latitude:	35.0031196
Longitude:	-117.6505303
Status:	Completed - Case Closed
Status Date:	11/14/2016
Case Worker:	TML
RB Case Number:	6B1500472T
Local Agency:	Not reported
File Location:	Not reported
Local Case Number:	Not reported
Potential Media Affect:	Other Groundwater (uses other than drinking water), Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0602900899
Contact Type:	Regional Board Caseworker
Contact Name:	TAMMY LUNDQUIST
Organization Name:	LAHONTAN RWQCB (REGION 6T)
Address:	2501 LAKE TAHOE BLVD.
City:	SOUTH LAKE TAHOE
Email:	tammy.lundquist@waterboards.ca.gov
Phone Number:	5305425400

LUST:

Global Id:	T0602900899
Action Type:	RESPONSE
Date:	03/03/2016
Action:	Other Report / Document - Regulator Responded
Global Id:	T0602900899
Action Type:	ENFORCEMENT
Date:	04/07/2016
Action:	Notification - Public Notice of Case Closure
Global Id:	T0602900899
Action Type:	RESPONSE
Date:	03/02/2015
Action:	Other Report / Document - Regulator Responded
Global Id:	T0602900899
Action Type:	ENFORCEMENT
Date:	06/09/2016
Action:	Email Correspondence

KERN CO FIRE DEPT STATION #17 (Continued) **S101620894**

Global Id: T0602900899
Action Type: RESPONSE
Date: 08/07/2015
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0602900899
Action Type: Other
Date: 03/21/1993
Action: Leak Discovery

Global Id: T0602900899
Action Type: RESPONSE
Date: 04/30/2012
Action: Monitoring Report - Quarterly

Global Id: T0602900899
Action Type: RESPONSE
Date: 02/07/2012
Action: Soil and Water Investigation Workplan

Global Id: T0602900899
Action Type: RESPONSE
Date: 01/30/2014
Action: Monitoring Report - Semi-Annually

Global Id: T0602900899
Action Type: RESPONSE
Date: 02/03/2015
Action: Email Correspondence

Global Id: T0602900899
Action Type: RESPONSE
Date: 10/05/2015
Action: Email Correspondence

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 10/31/2014
Action: Email Correspondence

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 08/19/2016
Action: Email Correspondence

Global Id: T0602900899
Action Type: RESPONSE
Date: 08/31/2012
Action: Site Assessment Report

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 02/27/2009
Action: Staff Letter

Global Id: T0602900899
Action Type: Other

KERN CO FIRE DEPT STATION #17 (Continued) **S101620894**

Date: 03/21/1993
Action: Leak Stopped

Global Id: T0602900899
Action Type: RESPONSE
Date: 08/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0602900899
Action Type: RESPONSE
Date: 02/15/2015
Action: Monitoring Report - Semi-Annually

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 09/15/2011
Action: Verbal Enforcement

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 08/14/2009
Action: Staff Letter

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 10/18/2016
Action: Email Correspondence

Global Id: T0602900899
Action Type: RESPONSE
Date: 07/12/2016
Action: Well Destruction Workplan - Regulator Responded

Global Id: T0602900899
Action Type: RESPONSE
Date: 10/06/2010
Action: Remedial Progress Report

Global Id: T0602900899
Action Type: RESPONSE
Date: 08/31/2011
Action: Other Report / Document

Global Id: T0602900899
Action Type: RESPONSE
Date: 03/31/2013
Action: Remedial Progress Report

Global Id: T0602900899
Action Type: RESPONSE
Date: 02/28/2013
Action: Verbal Communication

Global Id: T0602900899
Action Type: RESPONSE
Date: 11/15/2012
Action: Monitoring Report - Quarterly

KERN CO FIRE DEPT STATION #17 (Continued) **S101620894**

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 02/16/2012
Action: Staff Letter

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 12/06/2011
Action: Verbal Enforcement

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 02/07/2012
Action: Verbal Enforcement

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 02/10/2012
Action: Staff Letter

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 04/04/2013
Action: Verbal Enforcement

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 04/25/2013
Action: Verbal Enforcement

Global Id: T0602900899
Action Type: RESPONSE
Date: 10/25/2016
Action: Well Destruction Report

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 05/26/2011
Action: Staff Letter

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 07/11/2011
Action: Referral to Regional Board

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 08/24/2011
Action: Staff Letter

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 10/19/2010
Action: Staff Letter

Global Id: T0602900899
Action Type: ENFORCEMENT

KERN CO FIRE DEPT STATION #17 (Continued) **S101620894**

Date: 07/09/2010
Action: Staff Letter

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 11/14/2016
Action: Closure/No Further Action Letter

Global Id: T0602900899
Action Type: Other
Date: 05/18/1993
Action: Leak Reported

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 10/11/2001
Action: File review

Global Id: T0602900899
Action Type: RESPONSE
Date: 05/15/2014
Action: Monitoring Report - Quarterly

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 02/26/2013
Action: Verbal Enforcement

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 10/22/2012
Action: Site Visit / Inspection / Sampling

Global Id: T0602900899
Action Type: ENFORCEMENT
Date: 01/09/2014
Action: Meeting

LUST:
Global Id: T0602900899
Status: Open - Case Begin Date
Status Date: 03/21/1993

Global Id: T0602900899
Status: Open - Remediation
Status Date: 05/18/1993

Global Id: T0602900899
Status: Open - Site Assessment
Status Date: 05/18/1993

Global Id: T0602900899
Status: Open - Eligible for Closure
Status Date: 03/07/2016

Global Id: T0602900899
Status: Open - Site Assessment

KERN CO FIRE DEPT STATION #17 (Continued) **S101620894**

Status Date: 03/07/2016

Global Id: T0602900899
Status: Open - Eligible for Closure
Status Date: 04/07/2016

Global Id: T0602900899
Status: Completed - Case Closed
Status Date: 11/14/2016

SWEEPS UST:
Name: KERN CO FIRE DEPT STATION #17
Address: 26965 COTE ST
City: BORON
Status: Not reported
Comp Number: 18406
Number: Not reported
Board Of Equalization: 44-005941
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-018406-000001
Tank Status: Not reported
Capacity: 550
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: 1

HIST UST:
Name: KERN COUNTY FIRE DEPT STATION
Address: 26965 COTE ST
City,State,Zip: DORON, CA 93516
File Number: 00024738
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024738.pdf
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported

KERN CO FIRE DEPT STATION #17 (Continued) **S101620894**

Leak Detection: Not reported

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	15000495
Regulated By:	UTNKA
Regulated ID:	00018406
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	6197626167
Mail To:	Not reported
Mailing Address:	26965 COTE ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BORON 93516
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CORTESE:

Name:	BORON FIRE STATION #17
Address:	26965 COTE ST
City,State,Zip:	BORON, CA 93516
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0602900899
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	BORON FIRE STATION #17
Address:	26965 COTE ST
City,State,Zip:	BORON, CA 93516
Site ID:	246298
CERS ID:	T0602900899
CERS Description:	Leaking Underground Storage Tank Cleanup Site

KERN CO FIRE DEPT STATION #17 (Continued) **S101620894**

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: TAMMY LUNDQUIST - LAHONTAN RWQCB (REGION 6T)
Entity Title: Not reported
Affiliation Address: 2501 LAKE TAHOE BLVD.
Affiliation City: SOUTH LAKE TAHOE
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 5305425400

Name: BEHIND FIRE STATION
Address: 26965 COTE ST
City,State,Zip: BORON, CA 93516
Site ID: 454157
CERS ID: 110020820799
CERS Description: US EPA Air Emission Inventory System (EIS)

BX555 **BEHIND FIRE STATION** **FINDS** **1008000792**
North **26965 COTE ST** **N/A**
1/2-1 **BORON, CA 93516**
0.795 mi.
4199 ft. **Site 6 of 10 in cluster BX**

Actual:
2454 ft.

Focus Map:
52

FINDS:
Registry ID: 110020820799

Click Here:

Environmental Interest/Information System:
US EPA Air Quality System (AQS) contains ambient air pollution data collected by EPA, State, Local, and Tribal air pollution control agencies from thousands of monitoring stations.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BX556 **1X KERN COUNTY FIRE DEPARTMENT** **HAZNET** **S112839175**
North **26965 COTE STREET** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.795 mi.
4199 ft. **Site 7 of 10 in cluster BX**

Actual:
2454 ft.

Focus Map:
52

HAZNET:
Name: 1X KERN COUNTY FIRE DEPARTMENT
Address: 26965 COTE STREET
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
Contact: MICHAEL PARKER
Telephone: 8058612577
Mailing Name: Not reported
Mailing Address: P O BOX 126

Year: 1993
Gepaid: CAC000709856
TSD EPA ID: CAD980883177

1X KERN COUNTY FIRE DEPARTMENT (Continued) **S112839175**

CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	0.2919

Additional Info:

Year:	1993
Gen EPA ID:	CAC000709856
Shipment Date:	19930322
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930326
Manifest ID:	92326972
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980883177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.2919
Waste Quantity:	70
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	1X KERN COUNTY FIRE DEPARTMENT
Address:	26965 COTE STREET
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC000709856
Inactive Date:	10/25/2000
Create Date:	03/19/1993
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	P O BOX 126
Mailing Address 2:	Not reported
Mailing City,State,Zip:	KEENE, CA 935310000
Owner Name:	KERN COUNTY
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	MICHAEL PARKER
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

BX557 **KERN COUNTY FIRE STATION #17** **RGA LUST** **S114639723**
North **26965 COTE ST** **N/A**
1/2-1 **BORON, CA**
0.795 mi.
4199 ft. **Site 8 of 10 in cluster BX**

Actual:
2454 ft.

Focus Map:
52

RGA LUST:

Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2012	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2011	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2010	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2009	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2008	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2007	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2006	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2005	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2003	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		
City:	BORON		
State:	BORON		
	2002	KERN COUNTY FIRE STATION #17	26965 COTE ST
Name:	KERN COUNTY FIRE STATION #17		
Address:	26965 COTE ST		

KERN COUNTY FIRE STATION #17 (Continued) **S114639723**

City: BORON
State: BORON
2001 KERN COUNTY FIRE STATION #17 26965 COTE ST
Name: KERN COUNTY FIRE STATION #17
Address: 26965 COTE ST
City: BORON
State: BORON
2000 KERN COUNTY FIRE STATION #17 26965 COTE ST
Name: KERN COUNTY FIRE STATION #17
Address: 26965 COTE ST
City: BORON
State: BORON
1998 KERN COUNTY FIRE STATION #17 26965 COTE ST
Name: KERN COUNTY FIRE STATION #17
Address: 26965 COTE ST
City: BORON
State: BORON
1997 KERN COUNTY FIRE STATION #17 26965 COTE ST
Name: KERN COUNTY FIRE STATION #17
Address: 26965 COTE ST
City: BORON
State: BORON
1996 KERN COUNTY FIRE STATION #17 26965 COTE ST
Name: KERN COUNTY FIRE STATION #17
Address: 26965 COTE ST
City: BORON
State: BORON
1995 KERN COUNTY FIRE STATION #17 26965 COTE ST
Name: KERN COUNTY FIRE STATION #17
Address: 26965 COTE ST
City: BORON
State: BORON
1994 KERN COUNTY FIRE STATION #17 26965 COTE ST

BX558 **COUNTY OF KERN** **LUST** **S101295149**
North **26965 COTE ST** **HAZNET** **N/A**
1/2-1 **BORON, CA 93516** **HIST CORTESE**
0.795 mi. **HWTS**
4199 ft. **Site 9 of 10 in cluster BX**

Actual:
2454 ft.

Focus Map:
52

LUST Region 6V:
Name: KERN COUNTY FIRE STATION #17
Address: 26965 COTE ST
City: BORON
Region: 6V
Case Number: 6B1500472T
Leak Record: 6/22/1993
Report Date: 5/18/1993
Reported By Address: Not reported
Responsible Party: KERN COUNTY FIRE DEPARTMENT
Operator: MIKE PARKER
Cross Street: ALLEY WAY
Local Agency: 15000L
Regional Board: 6V
Chemical: Gasoline
Case Type: Undefined
Funding: Not reported
Enforce Type: FREV

COUNTY OF KERN (Continued) **S101295149**

How Found:	Tank Closure
How Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T0602900899
Stop Date:	3/21/1993
Leak Confirm:	5/18/1993
Submit Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	5/18/1993
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	Not reported
Discovered:	3/21/1993
Enforce Date:	1/1/1965
Review Date:	6/22/1993
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
MTBE class:	*
Max MTBE Grnd Wtr:	Not reported
Max MTBE Soil:	Not reported
MTBE Counts:	0
MTBE Fuel:	1
MTBE Tested:	NT
Organization Name:	Not reported
Status:	Remediation Plan
Contact:	Not reported
Interim Action:	No
Pilot Program:	LUST
Lat/Long:	35 / -117.6505303
Staff Initials:	GDC
Local Agency Staff:	MIC
Lead Agency:	Local Agency
Summary:	Not reported
Basin Number:	ANTELOPE VALLEY (6-4
Beneficial:	Not reported
Priority:	Not reported
UST Cleanup Fund ID:	Not reported
Suspended:	Not reported
Local Case Number:	560008
Amount:	Not reported
Abate Method:	Not reported
Water System:	Not reported
Well Name:	Not reported
Distance:	15199
Wst Disch Reqrmnt Global ID:	Not reported
Wst Disch Reqrmnt Name:	Not reported

HAZNET:

Name:	COUNTY OF KERN
Address:	26965 COTE ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	NICK HAGEN
Telephone:	7146730276
Mailing Name:	Not reported

COUNTY OF KERN (Continued) **S101295149**

Mailing Address: 1115 TRUXTUN AVE

Year: 2013
Gepaid: CAC002741288
TSD EPA ID: CAD028409019
CA Waste Code: 134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.462

Additional Info:
Year: 2013
Gen EPA ID: CAC002741288

Shipment Date: 20130920
Creation Date: 11/7/2013 22:15:06
Receipt Date: 20130923
Manifest ID: 008958938JJK
Trans EPA ID: CAR000203109
Trans Name: J&R ENVIRONMENTAL INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: CROSBY & OVERTON INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D028
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.462
Waste Quantity: 110
Quantity Unit: G
Additional Code 1: D018
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HIST CORTESE:
edr_fname: KERN COUNTY FIRE STATION
edr_fadd1: 26965 COTE
City,State,Zip: BORON, CA 93516
Region: CORTESE
Facility County Code: 15
Reg By: LTNKA
Reg Id: 5B1500472T

HWTS:
Name: COUNTY OF KERN
Address: 26965 COTE ST
Address 2: Not reported
City,State,Zip: BORON, CA 93516
EPA ID: CAC002741288

COUNTY OF KERN (Continued) **S101295149**

Inactive Date:	11/20/2013
Create Date:	08/21/2013
Last Act Date:	11/21/2013
Mailing Name:	KERN COUNTY CONSTRUCTION SERVICES
Mailing Address:	1115 TRUXTUN AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 93301
Owner Name:	COUNTY OF KERN
Owner Address:	1115 TRUXTUN AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 93301
Contact Name:	NICK HAGEN
Contact Address:	1665 SCENIC AVE
Contact Address 2:	Not reported
City,State,Zip:	COSTA MESA, CA 92626

BX559 **KERN COUNTY FIRE DEPT. STATION** **HIST UST** **U001586503**
North **26965 COTE ST** **N/A**
1/2-1 **BORON, CA 93516**
0.795 mi.
4199 ft. **Site 10 of 10 in cluster BX**

Actual:
2454 ft.

Focus Map:
52

HIST UST:

Name:	KERN COUNTY FIRE DEPT. STATION
Address:	26965 COTE ST
City,State,Zip:	BORON, CA 93516
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000018406
Facility Type:	Other
Other Type:	FIRE STATION
Contact Name:	STEVEN P. THOMPSON, CAPT.
Telephone:	6197626167
Owner Name:	COUNTY OF KERN FIRE DEPT.
Owner Address:	1025 GOLDEN STATE HWY
Owner City,St,Zip:	BAKERSFIELD, CA 93301
Total Tanks:	0001
Tank Num:	001
Container Num:	#1
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

560
North
1/2-1
0.802 mi.
4232 ft.

14888 BORAX RD.
BORON, CA 93516

CHMIRS **S112829252**
N/A

Actual:
2393 ft.

Focus Map:
42

CHMIRS:

Name:	Not reported
Address:	14888 BORAX RD.
City,State,Zip:	BORON, CA 93516
OES Incident Number:	12-4180
OES notification:	07/18/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Industrial Plant
Cleanup By:	Responsible Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	2300
Year:	2012
Agency:	US Borax
Incident Date:	7/17/2012
Admin Agency:	Kern Co. Environmental Health Services Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Hydraulic Oil
Quantity Released:	50

(Continued) **S112829252**

Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	One of large trucks had a break in the line causing this release.

---

561 **DAVID V EIDE** **FINDS** **1023463051**
North **14814 CASTLE BUTTE ROAD** **N/A**
1/2-1 **EDWARDS, CA 93523**
0.804 mi.
4244 ft.

Actual:
2321 ft.

FINDS:
Registry ID: 110068414077

Focus Map:
40

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BY562 **ROSS E SWINDELHURST DMD** **FINDS** **1024658285**
North **12313 BORON AVE** **ECHO** **N/A**
1/2-1 **BORON, CA 93516**
0.809 mi.
4270 ft. **Site 1 of 3 in cluster BY**

Actual:
2454 ft.

FINDS:
Registry ID: 110070446673

Focus Map:
52

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ROSS E SWINDELHURST DMD (Continued) **1024658285**

ECHO:

Envid:	1024658285
Registry ID:	110070446673
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070446673
Name:	ROSS E SWINDELHURST DMD
Address:	12313 BORON AVE
City,State,Zip:	BORON, CA 93516

BY563 **ROSS E SWINDELHURST DMD** **RCRA NonGen / NLR** **1024792822**
North **12313 BORON AVE** **CAL000126636**
1/2-1 **BORON, CA 93516**
0.809 mi.
4270 ft. **Site 2 of 3 in cluster BY**

Actual:
2454 ft.

Focus Map:
52

RCRA NonGen / NLR:

Date Form Received by Agency:	19930811
Handler Name:	ROSS E SWINDELHURST DMD
Handler Address:	12313 BORON AVE
Handler City,State,Zip:	BORON, CA 93516-0000
EPA ID:	CAL000126636
Contact Name:	ROSS E SWINDLEHURST
Contact Address:	12313 BORON AVE
Contact City,State,Zip:	BORON, CA 93516
Contact Telephone:	760-762-5023
Contact Fax:	000-000-0000
Contact Email:	DOCROSSINBORON@GMAIL.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12313 BORON AVE
Mailing City,State,Zip:	BORON, CA 93516-0000
Owner Name:	ROSS E SWINDLEHURST DMD
Owner Type:	Other
Operator Name:	ROSS E SWINDLEHURST
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported

ROSS E SWINDELHURST DMD (Continued) **1024792822**

Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROSS E SWINDLEHURST
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12313 BORON AVE
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-5023
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ROSS E SWINDLEHURST DMD

ROSS E SWINDELHURST DMD (Continued) **1024792822**

Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12313 BORON AVE
Owner/Operator City,State,Zip:	BORON, CA 93516-0000
Owner/Operator Telephone:	760-762-5023
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19930811
Handler Name:	ROSS E SWINDELHURST DMD
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	62121
NAICS Description:	OFFICES OF DENTISTS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

BY564 **ROSS E SWINDELHURST DMD** **HWTS** **S124804970**
North **12313 BORON AVE** **N/A**
1/2-1 **BORON, CA 93516**
0.809 mi.
4270 ft. **Site 3 of 3 in cluster BY**

Actual:
2454 ft.

Focus Map:
52

HWTS:

Name:	ROSS E SWINDELHURST DMD
Address:	12313 BORON AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAL000126636
Inactive Date:	Not reported
Create Date:	08/11/1993
Last Act Date:	07/22/2020
Mailing Name:	Not reported
Mailing Address:	12313 BORON AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	ROSS E SWINDLEHURST DMD
Owner Address:	12313 BORON AVE

ROSS E SWINDELHURST DMD (Continued) **S124804970**

Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935160000
Contact Name:	ROSS E SWINDLEHURST
Contact Address:	12313 BORON AVE
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

NAICS:

EPA ID:	CAL000126636
Create Date:	2002-03-14 16:36:28.000
NAICS Code:	62121
NAICS Description:	Offices of Dentists
Issued EPA ID Date:	1993-08-11 00:00:00
Inactive Date:	Not reported
Facility Name:	ROSS E SWINDELHURST DMD
Facility Address:	12313 BORON AVE
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935160000

BZ565 **EDWARDS AFB PROJ ROUND UP** **FUDS** **1009484565**
SW **N/A**
1/2-1 **MOJAVE, CA**
0.813 mi.
4295 ft. **Site 1 of 2 in cluster BZ**

Actual:
2361 ft.

Focus Map:
30

FUDS:

EPA Region:	9
Installation ID:	CA99799F543300
Congressional District Number:	23
Name:	EDWARDS AFB PROJ ROUND UP
FUDS Number:	J09CA0350
City:	MOJAVE
State:	CA
County:	KERN
Object ID:	9381
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties with all projects at site closeout
Current Owner:	PRIV: PRIVATE UNDEVELOPED
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=53911
Eligibility:	Eligible
Has Projects:	Yes
NPL Status:	Not on the NPL
Property History:	PORTABLE PHOTOGRAPHIC INSTRUMENTS TO OBTAIN RECONNAISSANER OF NEARE GEOGRAPHIC AREAS
Project Required:	Yes
Feature Description:	Not reported
Latitude:	35.081699
Longitude:	-117.91300200000001

FUDS Detail as of Jan 2015:

Fiscal Year:	2013
Federal Facility ID:	CA9799F5433
RAB:	Not reported

EDWARDS AFB PROJ ROUND UP (Continued) **1009484565**

NPL Status: Not Listed
Description: 109.18 ACRES
History: PORTABLE PHOTOGRAPHIC INSTRUMENTS TO OBTAIN RECONNAISSANER OF NEARE
GEOGRAPHIC AREAS
CTC: 12
Current Program: Not reported
Future Program: Not reported
Institutional ID: 53911

BZ566 **EDWARDS AIR FORCE BASE PROJECT ROUND UP** **UXO** **1024713931**
SW **N/A**
1/2-1 **MOJAVE, CA**
0.813 mi.
4295 ft. **Site 2 of 2 in cluster BZ**

Actual:
2361 ft.

Focus Map:
30

UXO:
DoD Component: FUDS
Installation Name: EDWARDS AFB PROJ ROUND UP
Name: EDWARDS AIR FORCE BASE PROJECT ROUND UP
Address: Not reported
Address 2: Not reported
City,State,Zip: MOJAVE, CA
Site ID: 01OEW
Site Type: Unexploded Munitions and Ordnance Area
Latitude: 35.081699
Longitude: -117.913002

CA567 **EDWARDS-HOLGATE-SOUTHBASE 115 KV TLRR** **CIWQS** **S123169122**
South **N/A**
1/2-1 **KERN (County), CA**
0.814 mi.
4298 ft. **Site 1 of 2 in cluster CA**

Actual:
2289 ft.

Focus Map:
49

CIWQS:
Name: EDWARDS-HOLGATE-SOUTHBASE 115 KV TLRR
Address: Not reported
City,State,Zip: CA
Agency: Southern California Edison
Agency Address: 2244 Walnut Grove Avenue Go1 Quad 2c, Rosemead, CA 91770
Place/Project Type: Dredge/Fill Site
SIC/NAICS: Not reported
Region: 6V
Program: CERFILLEXC
Regulatory Measure Status: Active
Regulatory Measure Type: Enrollee - WDR
Order Number: R6T-2003-0004
WDID: 6B151806002
NPDES Number: Not reported
Adoption Date: Not reported
Effective Date: 09/11/2018
Termination Date: Not reported
Expiration/Review Date: 01/08/2023
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported

EDWARDS-HOLGATE-SOUTHBASE 115 KV TLRR (Continued) **S123169122**

TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.002064
Longitude:	-117.82848

CA568 **EDWARDS-HOLGATE-SOUTHBASE 115 KV TLRR** **CERS** **S123522072**
South **N/A**
1/2-1 **, CA**
0.814 mi.
4298 ft. **Site 2 of 2 in cluster CA**

Actual: **2289 ft.**
Focus Map: **49**

CERS:

Name:	EDWARDS-HOLGATE-SOUTHBASE 115 KV TLRR
Address:	Not reported
City,State,Zip:	CA
Site ID:	443156
CERS ID:	848746
CERS Description:	Wetlands - Fill and Dredge Material

---

569 **UNNAMED PROSPECT** **MINES MRDS** **1025758515**
ENE **N/A**
1/2-1 **RIDGECREST, CA 93555**
0.823 mi.
4348 ft.

Actual: **2962 ft.**
Focus Map: **8**

MINES MRDS:

Name:	UNNAMED PROSPECT
Address:	Not reported
Deposit identification Number:	10286526
City,State,Zip:	RIDGECREST, CALIFORNIA 93555
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10286526
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060713473
Region:	NA
Country:	United States
Primary Commodities:	Feldspar
Secondary Commodities:	Not reported
Tertiary Commodities:	Perlite
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Prospect
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Not reported
Ore Controls:	Not reported
Reporter:	Federspiel
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported

UNNAMED PROSPECT (Continued) **1025758515**

Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.24809
Longitude:	-117.59899

---

570 North 1/2-1 0.836 mi. 4413 ft.

MILLER, WILLIAM AND BETTY
27144 JEROME STREET
BORON, CA 93516

HAZNET **S123073796**
HWTS **N/A**

Actual: 2457 ft.

Focus Map: 52

HAZNET:

Name:	MILLER, WILLIAM AND BETTY
Address:	27144 JEROME STREET
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
Contact:	MILLER, WILLIAM AND BETTY
Telephone:	7605903759
Mailing Name:	Not reported
Mailing Address:	27144 JEROME STREET
Year:	2017
Gepaid:	CAC002939463
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23

Additional Info:

Year:	2017
Gen EPA ID:	CAC002939463
Shipment Date:	20171213
Creation Date:	7/11/2018 18:30:30
Receipt Date:	20171220
Manifest ID:	016271804JJK
Trans EPA ID:	CAR000050815
Trans Name:	PW STEPHENS ENVIRONMENTAL INC
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

MILLER, WILLIAM AND BETTY (Continued) **S123073796**

Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.23
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MILLER, WILLIAM AND BETTY
Address:	27144 JEROME STREET
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC002939463
Inactive Date:	03/09/2018
Create Date:	12/07/2017
Last Act Date:	03/09/2018
Mailing Name:	Not reported
Mailing Address:	27144 JEROME STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	MILLER, WILLIAM AND BETTY
Owner Address:	27144 JEROME STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	MILLER, WILLIAM AND BETTY
Contact Address:	27144 JEROME STREET
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

CB571 **BORON SHELL** **UST** **U004113252**
North **12366 BORON AVE** **N/A**
1/2-1 **BORON, CA 93516**
0.858 mi.
4530 ft. **Site 1 of 7 in cluster CB**

Actual:
2452 ft.

Focus Map:
52

KERN CO. UST:

Name:	CIRCLE K #749
Address:	12366 BORON AVE
City:	BORON
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	560003
Owner Name:	CIRCLE K CORP/ATTN RUTH BULMER
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported

BORON SHELL (Continued) **U004113252**

Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

Tank Num: 3015
Tank Capacity: 20,000
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: 1
Install Date: 07/11/2016
Date of Closure: Not reported
Billing Status: Inactive, non-billable
Mailing Address: 12366 BORON AVE
Mailing Address (care of): E L AND K INVESTMENTS
Mailing City/State/Zip: BORON, CA 93516

Tank Num: 3015
Tank Capacity: 20,000
Common Name: Not reported
Description: REGULAR UNLEADED
Number of Compartments: 1
Install Date: 07/11/2016
Date of Closure: Not reported
Billing Status: Inactive, non-billable
Mailing Address: 12366 BORON AVE
Mailing Address (care of): E L AND K INVESTMENTS
Mailing City/State/Zip: BORON, CA 93516

Tank Num: 3016
Tank Capacity: 10,000
Common Name: Not reported
Description: PREMIUM UNLEADED
Number of Compartments: 2
Install Date: 07/11/2016
Date of Closure: Not reported
Billing Status: Inactive, non-billable
Mailing Address: 12366 BORON AVE
Mailing Address (care of): E L AND K INVESTMENTS
Mailing City/State/Zip: BORON, CA 93516

Tank Num: 3016
Tank Capacity: 10,000
Common Name: Not reported
Description: PREMIUM UNLEADED
Number of Compartments: 2
Install Date: 07/11/2016
Date of Closure: Not reported
Billing Status: Inactive, non-billable
Mailing Address: 12366 BORON AVE
Mailing Address (care of): E L AND K INVESTMENTS
Mailing City/State/Zip: BORON, CA 93516

BORON SHELL (Continued) **U004113252**

Tank Num:	3017
Tank Capacity:	15,000
Common Name:	Not reported
Description:	DIESEL
Number of Compartments:	2
Install Date:	07/11/2016
Date of Closure:	Not reported
Billing Status:	Inactive, non-billable
Mailing Address:	12366 BORON AVE
Mailing Address (care of):	E L AND K INVESTMENTS
Mailing City/State/Zip:	BORON, CA 93516

Tank Num:	3017
Tank Capacity:	15,000
Common Name:	Not reported
Description:	DIESEL
Number of Compartments:	2
Install Date:	07/11/2016
Date of Closure:	Not reported
Billing Status:	Inactive, non-billable
Mailing Address:	12366 BORON AVE
Mailing Address (care of):	E L AND K INVESTMENTS
Mailing City/State/Zip:	BORON, CA 93516

UST:

Name:	BORON SHELL
Address:	12366 BORON AVE
City,State,Zip:	BORON, CA 93516
Facility ID:	FA0005278
Permitting Agency:	Kern County Environmental Health Services Department
Latitude:	35.00406
Longitude:	-117.64938

CB572 **BORON SHELL** **EMI** **S124456000**
North **12366 BORON AVENUE** **N/A**
1/2-1 **BORON, CA 93516**
0.858 mi.
4530 ft. **Site 2 of 7 in cluster CB**

Actual:
2452 ft.

Focus Map:
52

EMI:

Name:	BORON SHELL
Address:	12366 BORON AVENUE
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	8997001
Air District Name:	KER
SIC Code:	5541
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.09
Reactive Organic Gases Tons/Yr:	0.09
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported

BORON SHELL (Continued) **S124456000**

SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

CB573 **CIRCLE K STORE #749** **RGA LUST** **S114602061**
North **12366 BORON AVE** **N/A**
1/2-1 **BORON, CA**
0.858 mi.
4530 ft. **Site 3 of 7 in cluster CB**

Actual: **2452 ft.**

Focus Map: **52**

RGA LUST:
Name: CIRCLE K STORE #749
Address: 12366 BORON AVE
City: BORON
State: BORON
1998 CIRCLE K STORE #749 12366 BORON AVE
Name: CIRCLE K STORE #749
Address: 12366 BORON AVE
City: BORON
State: BORON
1997 CIRCLE K STORE #749 12366 BORON AVE
Name: CIRCLE K STORE #749
Address: 12366 BORON AVE
City: BORON
State: BORON
1996 CIRCLE K STORE #749 12366 BORON AVE

CB574 **CIRCLE K #749** **RGA LUST** **S114601840**
North **12366 BORON AVE** **N/A**
1/2-1 **BORON, CA**
0.858 mi.
4530 ft. **Site 4 of 7 in cluster CB**

Actual: **2452 ft.**

Focus Map: **52**

RGA LUST:
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2012 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2011 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2010 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2009 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE

CIRCLE K #749 (Continued) **S114601840**

City: BORON
State: BORON
2008 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2007 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2006 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2005 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2003 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2002 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2001 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
2000 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
1998 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
1997 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON
1996 CIRCLE K #749 12366 BORON AVE
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
State: BORON

CIRCLE K #749 (Continued) **S114601840**

1995 CIRCLE K #749 12366 BORON AVE

CB575 **BORON SHELL** **FINDS** **1025450801**
North **12366 BORON AVENUE** **N/A**
1/2-1 **BORON, CA 93516**
0.858 mi.
4530 ft. **Site 5 of 7 in cluster CB**

Actual:
2452 ft.

Focus Map:
52

FINDS:
Registry ID: 110070521375

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CB576 **CIRCLE K #749** **LUST** **U003992104**
North **12366 BORON AVE** **SWEEPS UST** **N/A**
1/2-1 **BORON, CA 93516** **Cortese**
0.858 mi.
4530 ft. **Site 6 of 7 in cluster CB**

Actual:
2452 ft.

Focus Map:
52

LUST Region 6V:

Name:	CIRCLE K #749
Address:	12366 BORON AVE
City:	BORON
Region:	6V
Case Number:	6B1500669T
Leak Record:	10/31/1994
Report Date:	10/18/1994
Reported By Address:	Not reported
Responsible Party:	CIRCLE K CORP
Operator:	CIRCLE K CORP
Cross Street:	Not reported
Local Agency:	15000L
Regional Board:	6V
Chemical:	Gasoline
Case Type:	Soil only
Funding:	F
Enforce Type:	Not reported
How Found:	Tank Closure
How Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T0602900961
Stop Date:	10/18/1994
Leak Confirm:	Not reported
Submit Workplan:	Not reported
Prelim Assess:	8/24/1994
Pollution Char:	2/9/1995
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	10/24/1995
Discovered:	10/18/1994

CIRCLE K #749 (Continued) **U003992104**

Enforce Date: Not reported
Review Date: 10/31/1994
GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
MTBE Counts: 0
MTBE Fuel: 1
MTBE Tested: NT
Organization Name: Not reported
Status: Case Closed
Contact: Not reported
Interim Action: Not reported
Pilot Program: LUST
Lat/Long: 35 / -117.6499413
Staff Initials: KD
Local Agency Staff: SBC
Lead Agency: Local Agency
Summary: Not reported
Basin Number: ANTELOPE VALLEY (6-4
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: 560003
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 15396.38832
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

SWEEPS UST:
Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
Status: Not reported
Comp Number: 13796
Number: Not reported
Board Of Equalization: 44-032073
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-013796-000001
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: LEADED
Number Of Tanks: 3

Name: CIRCLE K #749
Address: 12366 BORON AVE

CIRCLE K #749 (Continued) **U003992104**

City: BORON
Status: Not reported
Comp Number: 13796
Number: Not reported
Board Of Equalization: 44-032073
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-013796-000002
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: CIRCLE K #749
Address: 12366 BORON AVE
City: BORON
Status: Not reported
Comp Number: 13796
Number: Not reported
Board Of Equalization: 44-032073
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-013796-000003
Tank Status: Not reported
Capacity: 10000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

CORTESE:
Name: CIRCLE K #749
Address: 12366 BORON AVE
City,State,Zip: BORON, CA 93516
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0602900961
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported

CIRCLE K #749 (Continued) **U003992104**

Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CB577 **CIRCLE K STORE #749** **RCRA-SQG** **1000174130**
North **12366 BORON AVE** **LUST** **CAD981679574**
1/2-1 **BORON, CA 93516** **CERS HAZ WASTE**
0.858 mi. **HIST UST**
4530 ft. **Site 7 of 7 in cluster CB** **CA FID UST**
CERS TANKS
Actual: **FINDS**
2452 ft. **ECHO**
CUPA Listings
Focus Map: **HAZNET**
52 **HIST CORTESE**
CERS
HWTS

RCRA-SQG:

Date Form Received by Agency:		19960901
Handler Name:	CIRCLE K STORE #749	
Handler Address:		12366 BORON AVE
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAD981679574
Contact Name:		Not reported
Contact Address:		Not reported
Contact City,State,Zip:		Not reported
Contact Telephone:		Not reported
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		CA
State District:		5
Mailing Address:		5811 MANZANITA AVE
Mailing City,State,Zip:		CARMICHAEL, CA 95608
Owner Name:		Not reported
Owner Type:		Not reported
Operator Name:		NOT REQUIRED
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No

CIRCLE K STORE #749 (Continued) **1000174130**

Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212

CIRCLE K STORE #749 (Continued) **1000174130**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CIRCLE K CORP
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: NOT REQUIRED
Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960901
Handler Name: CIRCLE K STORE #749
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19861016
Handler Name: CIRCLE K STORE #749
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

LUST:
Name: CIRCLE K #749

CIRCLE K STORE #749 (Continued) **1000174130**

Address:	12366 BORON AVE
City,State,Zip:	BORON, CA 93516
Lead Agency:	KERN COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900961
Global Id:	T0602900961
Latitude:	35.004245
Longitude:	-117.649379
Status:	Completed - Case Closed
Status Date:	10/24/1995
Case Worker:	KC
RB Case Number:	6B1500669T
Local Agency:	KERN COUNTY
File Location:	Not reported
Local Case Number:	560003
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Gasoline
Site History:	Not reported

LUST:

Global Id:	T0602900961
Contact Type:	Local Agency Caseworker
Contact Name:	Kern County
Organization Name:	KERN COUNTY
Address:	Not reported
City:	R6V UNKNOWN
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T0602900961
Action Type:	Other
Date:	10/18/1994
Action:	Leak Discovery

Global Id:	T0602900961
Action Type:	Other
Date:	10/18/1994
Action:	Leak Stopped

Global Id:	T0602900961
Action Type:	Other
Date:	10/18/1994
Action:	Leak Reported

LUST:

Global Id:	T0602900961
Status:	Open - Case Begin Date
Status Date:	08/24/1994

Global Id:	T0602900961
Status:	Open - Site Assessment
Status Date:	08/24/1994

Global Id:	T0602900961
Status:	Open - Site Assessment
Status Date:	02/09/1995

CIRCLE K STORE #749 (Continued) **1000174130**

Global Id: T0602900961
Status: Completed - Case Closed
Status Date: 10/24/1995

CERS HAZ WASTE:
Name: BORON SHELL
Address: 12366 BORON AVE
City,State,Zip: BORON, CA 93516
Site ID: 416725
CERS ID: 10724215
CERS Description: Hazardous Waste Generator

HIST UST:
Name: CIRCLE K 749
Address: 12366 BORON AVENUE
City,State,Zip: BORON, CA 93516
File Number: 00024697
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024697.pdf
Region: STATE
Facility ID: 00000013796
Facility Type: Gas Station
Other Type: Not reported
Contact Name: JIM CHADWICK
Telephone: 8057625726
Owner Name: CIRCLE K CORPORATION
Owner Address: 4500 SOUTH 40TH STREET
Owner City,St,Zip: PHOENIX, AZ 85040
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 002
Container Num: 2
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

CIRCLE K STORE #749 (Continued) **1000174130**

Click here for Geo Tracker PDF:

CA FID UST:

Facility ID:	15002088
Regulated By:	UTNKA
Regulated ID:	00013796
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	8057625726
Mail To:	Not reported
Mailing Address:	12366 BORON AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BORON 93516
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CERS TANKS:

Name:	BORON SHELL
Address:	12366 BORON AVE
City,State,Zip:	BORON, CA 93516
Site ID:	416725
CERS ID:	10724215
CERS Description:	Underground Storage Tank

FINDS:

Registry ID: 110002748830

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000174130
Registry ID:	110002748830
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002748830
Name:	CIRCLE K STORE #749
Address:	12366 BORON AVE
City,State,Zip:	BORON, CA 93516

KERN CO CUPA:

Facility ID: FA0005278

CIRCLE K STORE #749 (Continued) **1000174130**

CERS ID:	10724215
Name:	BORON SHELL
Address:	12366 BORON AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN MED LOW RISK 1 UNIT
Program Element Code:	CB2T
HMIRRP Due Date:	Not reported
Current Inspection Date:	1/1/2024
Employee:	CUPA 3
Mailing Address:	12366 BORON AVE
Mailing Address 2:	Not reported
Mailing City:	BORON
Mailing State:	CA
Mailing Zip:	93516

HAZNET:

Name:	CIRCLE K STORE #749
Address:	12366 BORON AVE
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	INVALID NUMBER PER
Telephone:	Not reported
Mailing Name:	Not reported
Mailing Address:	5811 MANZANITA AVE
Year:	1994
Gepaid:	CAD981679574
TSD EPA ID:	CAT080011059
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	R01 - Recycler
Tons:	1.33

Additional Info:

Year:	1994
Gen EPA ID:	CAD981679574
Shipment Date:	19940824
Creation Date:	10/16/1995 0:00:00
Receipt Date:	19940831
Manifest ID:	93742854
Trans EPA ID:	CAT080016116
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.33
Waste Quantity:	350

CIRCLE K STORE #749 (Continued) **1000174130**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HIST CORTESE:

edr_fname:	CIRCLE K #749
edr_fadd1:	12366 BORON
City,State,Zip:	BORON, CA 93516
Region:	CORTESE
Facility County Code:	15
Reg By:	LTNKA
Reg Id:	6B1500669T

CERS:

Name:	CIRCLE K #749
Address:	12366 BORON AVE
City,State,Zip:	BORON, CA 93516
Site ID:	192639
CERS ID:	T0602900961
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	Kern County - KERN COUNTY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	R6V UNKNOWN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Name:	BORON SHELL
Address:	12366 BORON AVE
City,State,Zip:	BORON, CA 93516
Site ID:	416725
CERS ID:	10724215
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	416725
Site Name:	Boron Shell
Violation Date:	02-20-2019
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 02/20/2019. Monitoring certification inspection was due in January. Testing not completed until February. Next monitoring certification due January 2020
Violation Division:	Kern County Env Health Services Department

CIRCLE K STORE #749 (Continued) **1000174130**

Violation Program:	UST
Violation Source:	CERS
Site ID:	416725
Site Name:	Boron Shell
Violation Date:	03-27-2018
Citation:	HSC 6.7 25299(a)(9) - California Health and Safety Code, Chapter 6.7, Section(s) 25299(a)(9)
Violation Description:	Leak detection equipment disabled or tampered with in a manner that would prevent the monitoring system from detecting and/or alerting the owner/operator of a leak.
Violation Notes:	Returned to compliance on 06/14/2018. Observed brine sensor (L14) in vent box to be lifted and flipped to avoid alarm and brine reservoir to be detached and cut. As per alarm log in the on-site UST book, L14 went into alarm 2-9-17, 3-30-17, 5-5-17, 6-3-17 and 2-28-18. The alarm was noted on the 3-23-18 DO report. Spoke with the UST contractor (both Craig and Ross McClaren) and they had stated that they came out to fix last week (ross will get me the exact date) and found that a permit will be needed for repair. They will send a technician out tomorrow to re-attach and refill the brine reservoir in the vent box and then he will apply for a modification permit to properly repair the leak in the brine system. Once system has been repaired please retest and then send retest results to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	416725
Site Name:	Boron Shell
Violation Date:	02-19-2020
Citation:	23 CCR 16 2715(f) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2715(f)
Violation Description:	Failure to have a properly qualified service technician test leak detection equipment as required every 12 months (vapor, pressure, hydrostatic (VPH) system, sensors, line-leak detectors (LLD), automatic tank gauge (ATG), etc.).
Violation Notes:	Returned to compliance on 02/19/2020. Failure of the facility to have the monitoring system certification completed as required every 12 months. The monitoring certification was due January but was not conducted until February
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	416725
Site Name:	Boron Shell
Violation Date:	03-27-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 08/29/2018. Facility site map lacking evacuation routes, emergency staging area, adjacent property, storm drains and sewers (if applicable) Please revise and resubmit in CERS with all other elements.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP

CIRCLE K STORE #749 (Continued) **1000174130**

Violation Source:	CERS
Site ID:	416725
Site Name:	Boron Shell
Violation Date:	02-20-2019
Citation:	23 CCR 16 2716(e) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2716(e)
Violation Description:	For designated operator (DO) monthly inspections conducted before October 1, 2018, failure to comply with one or more of the following requirements: Be performed by an ICC certified DO. Inspect monthly alarm history report, check that alarms are documented and responded to appropriately, and attach a copy. Inspect for the presence of liquid/debris in spill containers. Inspect for the presence of liquid/debris in under dispenser containment (UDC) and ensure that the monitoring equipment is positioned correctly. Inspect for liquid or debris in containment sumps where an alarm occurred with no service visit. Check that all testing and maintenance has been completed and documented. Verify that all facility employees have been trained in accordance with 23 CCR 2715(c). For designated operator (DO) 30 day inspections conducted on and after October 1, 2018, failure to conduct the designated UST operator visual inspection at least once every 30 days.
Violation Notes:	Returned to compliance on 03/22/2019. Designated operator failed to open sumps that had an alarm during the monthly DO inspection. Ensure that the Designated Operator is able to open all sumps as needed during the monthly inspection
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	416725
Site Name:	Boron Shell
Violation Date:	02-20-2019
Citation:	HSC 6.7 25290.1(e)2 - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)2
Violation Description:	Failure to maintain the interstitial space such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment, i.e., vapor, pressure, hydrostatic (VPH) monitoring.
Violation Notes:	Returned to compliance on 02/20/2019. L7 91 fill sump, L8 91 fill brine, L2 87 stp brine, L4 87 fill brine, L28 sat N brine, S4 87 vent line smart sensor, S5 91/diesel tank annular all in alarm at time of inspection in alarm since october 6, 2018 as per daily logs All alarms were cleared during monitoring certification
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS
Site ID:	416725
Site Name:	Boron Shell
Violation Date:	03-27-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 08/29/2018. Facility observed to be

CIRCLE K STORE #749 (Continued) **1000174130**

hazardous waste generator. Please indicate on the Business activities page that the facility is a hazardous waste generator. Please mark yes and add an active EPA id number. Please add a 24 hour contact number for the secondary emergency contact on the business owner operator page. Once all corrections have been made please resubmit with all other elements in CERS.

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 416725
Site Name: Boron Shell
Violation Date: 03-27-2018
Citation: HSC 6.7 25290.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(e)
Violation Description: Failure to maintain the interstitial space such that a breach in the primary or secondary containment is detected before the liquid or vapor phase of the hazardous substance stored in the UST tank is released into the environment, i.e., vapor, pressure, hydrostatic (VPH) monitoring.
Violation Notes: Returned to compliance on 06/14/2018. 91/diesel tank annular failed to go into a no vacuum alarm. (only got a high liquid alarm when testing 91/diesel annular space) Please repair or replace and then retest. Please send retest results to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 416725
Site Name: Boron Shell
Violation Date: 02-20-2019
Citation: HSC 6.7 25292.1(a) - California Health and Safety Code, Chapter 6.7, Section(s) 25292.1(a)
Violation Description: Failure to operate the UST system to prevent unauthorized releases including leaks, spills, and/or overfills.
Violation Notes: Returned to compliance on 03/22/2019. L7 91 fill sump, L8 91 fill brine, L2 87 stp brine, L4 87 fill brine, L28 sat N brine, S4 87 vent line smart sensor, S5 91/diesel tank annular all in alarm at time of inspection in alarm since october 6, 2018 as per daily logs 4 gallons of liquid in the 91 fill sump observed liquid in satellite N diesel. No attempts to repair or address alarms have been made by the DO and/or the owner. All alarms were address and all liquid was removed from the sumps at the time of the monitoring certification
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-20-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

CIRCLE K STORE #749 (Continued) **1000174130**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-27-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Observed liquid in diesel satellite UDC #12 and in the 87 fill sump. Liquid was not high enough to trigger an alarm and liquid was removed at time of inspection. Once all violations have been properly corrected please sign and return the last page of this inspection report to certify that all violations have been properly corrected.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-14-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	01-18-2017
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-27-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Facility needs a hazardous waste generator permit and an EPA id number Once all violations have been properly corrected please sign and return the last page of this inspection report to certify that all violations have been properly corrected.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	06-14-2018
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Inspection of the repair of the pin hole leak in the vent sump. Facility observed to have been repaired and the vent sump is holding brine.
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-19-2020
Violations Found:	Yes

CIRCLE K STORE #749 (Continued) **1000174130**

Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	09-30-2016
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Coordinates:

Site ID:	416725
Facility Name:	Boron Shell
Env Int Type Code:	HMBP
Program ID:	10724215
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.004060
Longitude:	-117.649380

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	12366 BORON AVE
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Emil Dabbas
Entity Title:	President
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

CIRCLE K STORE #749 (Continued) **1000174130**

Affiliation Type Desc:	Document Preparer
Entity Name:	June K. Milner
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	E L AND K INVESTMENTS
Entity Title:	Not reported
Affiliation Address:	12366 BORON AVE
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(661) 238-8055

Affiliation Type Desc:	UST Tank Operator
Entity Name:	EMIL DABBAS
Entity Title:	Not reported
Affiliation Address:	12366 BORON AVE.
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93516
Affiliation Phone:	(661) 238-8055

Affiliation Type Desc:	Environmental Contact
Entity Name:	EMIL DABBAS
Entity Title:	Not reported
Affiliation Address:	12366 BORON AVE
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	E L AND K INVESTMENTS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 238-8055

Affiliation Type Desc:	Parent Corporation
Entity Name:	GORMAN SHELL/ HUNGRY VALLEY FUEL
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported

CIRCLE K STORE #749 (Continued) **1000174130**

Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: UST Property Owner Name
Entity Name: DESERT PROPERTIES
Entity Title: Not reported
Affiliation Address: 12366 BORON AVE
Affiliation City: BORON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93516
Affiliation Phone: (760) 491-0465

Affiliation Type Desc: UST Tank Owner
Entity Name: E L AND K INVESTMENTS
Entity Title: Not reported
Affiliation Address: 12366 BORON AVE.
Affiliation City: BORON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93516
Affiliation Phone: (661) 238-8055

HWTS:
Name: CIRCLE K STORE #749
Address: 12366 BORON AVE
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
EPA ID: CAD981679574
Inactive Date: 06/05/1989
Create Date: 04/10/1987
Last Act Date: 08/19/2010
Mailing Name: Not reported
Mailing Address: 5811 MANZANITA AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: CARMICHAEL, CA 956080000
Owner Name: --
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: INVALID NUMBER PER
Contact Address: JUNE 5, 1989 LETTER
Contact Address 2: Not reported
City,State,Zip: --, 99 --

CC578 **BETTY MILLER** **RCRA NonGen / NLR** **1026476331**
North **27095 JEROME STREET** **CAC003082127**
1/2-1 **BORON, CA 93516**
0.861 mi.
4544 ft. **Site 1 of 3 in cluster CC**

Actual:
2454 ft.

Focus Map:
52

RCRA NonGen / NLR:
Date Form Received by Agency: 20200902
Handler Name: BETTY MILLER
Handler Address: 27095 JEROME STREET
Handler City,State,Zip: BORON, CA 93516

BETTY MILLER (Continued) **1026476331**

EPA ID:	CAC003082127
Contact Name:	BETTY MILLER
Contact Address:	27095 JEROME STREET
Contact City,State,Zip:	BORON, CA 93516
Contact Telephone:	760-590-3759
Contact Fax:	Not reported
Contact Email:	TAMMYHURLEY@ALLIANCE-ENVIRO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	27095 JEROME STREET
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	BETTY MILLER
Owner Type:	Other
Operator Name:	BETTY MILLER
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

BETTY MILLER (Continued) **1026476331**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200904
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BETTY MILLER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	27095 JEROME STREET
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-590-3759
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BETTY MILLER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	27095 JEROME STREET
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-590-3759
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200902
Handler Name: BETTY MILLER	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

BETTY MILLER (Continued) **1026476331**

Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

CC579 **BETTY MILLER** **FINDS** **1026545637**
North **27095 JEROME STREET** **ECHO** **N/A**
1/2-1 **BORON, CA 93516**
0.861 mi.
4544 ft. **Site 2 of 3 in cluster CC**

Actual:
2454 ft.

FINDS:
Registry ID: 110070844975

Focus Map:
52

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1026545637
Registry ID: 110070844975
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070844975
Name: BETTY MILLER
Address: 27095 JEROME STREET
City,State,Zip: BORON, CA 93516

CC580 **BETTY MILLER** **HWTS** **S126390912**
North **27095 JEROME STREET** **N/A**
1/2-1 **BORON, CA 93516**
0.861 mi.
4544 ft. **Site 3 of 3 in cluster CC**

Actual:
2454 ft.

Focus Map:
52

HWTS:

Name:	BETTY MILLER
Address:	27095 JEROME STREET
Address 2:	Not reported
City,State,Zip:	BORON, CA 93516
EPA ID:	CAC003082127
Inactive Date:	12/02/2020
Create Date:	09/02/2020
Last Act Date:	12/03/2020
Mailing Name:	Not reported
Mailing Address:	27095 JEROME STREET
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	BETTY MILLER
Owner Address:	27095 JEROME STREET
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 93516
Contact Name:	BETTY MILLER
Contact Address:	27095 JEROME STREET
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

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581 **BORON STP** **ENF** **S103340896**
North **WEST BORON** **WDS** **N/A**
1/2-1 **BORON, CA 93596** **WDR**
0.861 mi. **CIWQS**
4544 ft. **CERS**

Actual:
2423 ft.

Focus Map:
52

ENF:

Name:	BORON STP
Address:	WEST BORON
City,State,Zip:	BORON, CA 93596
Region:	Not reported
Facility Id:	210082
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.003954
Place Longitude:	-117.676913
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported

BORON STP (Continued) **S103340896**

# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	243519
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Notice to Comply
Effective Date:	09/18/1999
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	12/15/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B150126001
Description:	Public access not adequately restricted
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1

BORON STP (Continued) **S103340896**

Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON STP
Address:	WEST BORON
City,State,Zip:	BORON, CA 93596
Region:	Not reported
Facility Id:	210082
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.003954
Place Longitude:	-117.676913
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported

BORON STP (Continued) **S103340896**

301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	244283
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	Oral Communication
Effective Date:	07/14/2000
Adoption/Issuance Date:	Not reported
Achieve Date:	10/14/2000
Termination Date:	07/14/2000
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B150126001
Description:	I requested that the CSD provide complete reports meeting Board Order requirements starting with next quarter reports. Not reported
Program:	WDRMUNILRG
Latest Milestone Completion Date:	10/14/2000
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON STP
Address:	WEST BORON
City,State,Zip:	BORON, CA 93596
Region:	Not reported
Facility Id:	210082
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.003954
Place Longitude:	-117.676913
SIC Code 1:	4952

BORON STP (Continued) **S103340896**

SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	250824
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Notice of Violation
Effective Date:	01/07/2004

BORON STP (Continued) **S103340896**

Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/31/2011
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Notice of Violation for Boron CSD STP (1/7/2004)
Description:	An NOV was sent on 1-7-04 informing the Discharger to submit workplan and revised SAP.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

Name:	BORON STP
Address:	WEST BORON
City,State,Zip:	BORON, CA 93596
Region:	Not reported
Facility Id:	210082
Agency Name:	Not reported
Place Type:	Utility
Place Subtype:	Wastewater Treatment Facility
Facility Type:	Municipal/Domestic
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	35.003954
Place Longitude:	-117.676913
SIC Code 1:	4952
SIC Desc 1:	Sewerage Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	22132
NAICS Desc 1:	Sewage Treatment Facilities
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported

BORON STP (Continued) **S103340896**

Program Category2:	WDR
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported
Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	394086
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	11/07/2013
Adoption/Issuance Date:	11/07/2013
Achieve Date:	Not reported
Termination Date:	12/03/2013
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 11/07/2013 for BORON CSD
Description:	Discharger's last documented SMR is end of 2007. Discharger did not submit one time well sampling results for chromium, total and VI.
Program:	WDRMUNILRG
Latest Milestone Completion Date:	12/2/2013
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

WDS:
Name: BORON STP

BORON STP (Continued) **S103340896**

Address:	WEST BORON
City:	BORON
Facility ID:	South Lahontan 150126001
Facility Type:	Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	Not reported
Subregion:	0
Facility Telephone:	7607626127
Facility Contact:	RUSSELL C TERRILL
Agency Name:	BORON COMMUNITY SERVICE DIST
Agency Address:	PO BOX 1060
Agency City,St,Zip:	BORON 93596
Agency Contact:	JANNA RIDDLE
Agency Telephone:	7607626127
Agency Type:	County
SIC Code:	4952
SIC Code 2:	Not reported
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Primary Waste:	DOMEST
Waste Type2:	Not reported
Waste2:	Domestic Sewage
Primary Waste Type:	Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

WDR:

Name:	BORON STP
Address:	WEST BORON
City,State,Zip:	BORON, CA 93596
Global ID:	WDR100027470
Status:	ACTIVE - WDR

BORON STP (Continued) **S103340896**

CIWQS:

Name:	BORON STP
Address:	WEST BORON
City,State,Zip:	BORON, CA 93596
Agency:	Boron CSD
Agency Address:	Po Box 1060, Boron, CA 93596
Place/Project Type:	Wastewater Treatment Facility
SIC/NAICS:	4952
Region:	6V
Program:	WDRMUNILRG, WDRNONMUNIPRCS
Regulatory Measure Status:	Active
Regulatory Measure Type:	WDR
Order Number:	02-037
WDID:	6B150126001
NPDES Number:	Not reported
Adoption Date:	06/12/2002
Effective Date:	06/12/2002
Termination Date:	Not reported
Expiration/Review Date:	06/12/2017
Design Flow:	0.21
Major/Minor:	Not reported
Complexity:	B
TTWQ:	3
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	35.003954
Longitude:	-117.676913

CERS:

Name:	BORON STP
Address:	WEST BORON
City,State,Zip:	BORON, CA 93596
Site ID:	99660
CERS ID:	210082
CERS Description:	Waste Discharge Requirements

Violations:

Site ID:	99660
Site Name:	Boron STP
Violation Date:	08-18-1999
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	PUBLIC ACCESS NOT ADEQUATELY RESTRICTED. NOTICE TO COMPLY ISSUED.
Violation Division:	Water Boards
Violation Program:	WDRMUNILRG
Violation Source:	CIWQS

Site ID:	99660
Site Name:	Boron STP
Violation Date:	09-18-1999
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Public access not adequately restricted to treatment area.
Violation Division:	Water Boards
Violation Program:	WDRMUNILRG
Violation Source:	CIWQS

BORON STP (Continued) **S103340896**

Site ID: 99660
Site Name: Boron STP
Violation Date: 10-04-1996
Citation: California Water Code
Violation Description: Not reported
Violation Notes: POND 3 FREEBOARD VIOLATION IN 2Q 1996 SMR.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Violation Date: 08-07-2000
Citation: California Water Code
Violation Description: Not reported
Violation Notes: 2 Q SMR 2000 doesn't contain any of the items required by Board Order 87-006
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Violation Date: 11-14-1994
Citation: California Water Code
Violation Description: Not reported
Violation Notes: DID NOT INCLUDE MONTHLY VOLUME OR AVERAGE DAILY VOLUME OF WASTE WATER FLOW FOR EACH MONTH IN 3RD QUARTER 1994 SMR.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Violation Date: 08-04-1997
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FREEBOAD FOR POND #3 LESS THAT 2.0 FEET (18" IN APRIL, 23" IN MAY)
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Violation Date: 06-07-1996
Citation: California Water Code
Violation Description: Not reported
Violation Notes: POND FREEBOARD VIOLATIONS IN 1Q 96 SMR
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Violation Date: 11-05-2013
Citation: California Water Code
Violation Description: Not reported

BORON STP (Continued) **S103340896**

Violation Notes:	The last time Boron CSD sampled the oxidation ponds was 2007. According to BO# 2002-037 the facility is required to monitor the hexavalent and total chromium values of the ponds. The ponds percolate to the North Muroc Subunit of the Antelope Hydrologic Unit.
Violation Division:	Water Boards
Violation Program:	WDRMUNILRG
Violation Source:	CIWQS
Site ID:	99660
Site Name:	Boron STP
Violation Date:	03-26-1996
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	POND FREEBOARD VIOLATION IN DEC 1995 SMR
Violation Division:	Water Boards
Violation Program:	WDRMUNILRG
Violation Source:	CIWQS
Site ID:	99660
Site Name:	Boron STP
Violation Date:	04-18-1995
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	POND FREEBOARD VIOLATIONS IN FEB & MAR 95 1ST 1/4 SMR
Violation Division:	Water Boards
Violation Program:	WDRMUNILRG
Violation Source:	CIWQS
Site ID:	99660
Site Name:	Boron STP
Violation Date:	09-30-2003
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	BO 6-02-37 required submittal of a workplan and time schedule for installing ground water monitoring wells. The workplan was not submitted.
Violation Division:	Water Boards
Violation Program:	WDRMUNILRG
Violation Source:	CIWQS
Site ID:	99660
Site Name:	Boron STP
Violation Date:	07-21-1994
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	DIDNT INCLUDE DAILY VOL, MONTHLY VOL, MAX INST VOL, AVG DAILY FLOW PER MONTH FOR SECOND QUARTER 1994 SMR
Violation Division:	Water Boards
Violation Program:	WDRMUNILRG
Violation Source:	CIWQS
Site ID:	99660
Site Name:	Boron STP
Violation Date:	12-02-2003
Citation:	California Water Code
Violation Description:	Not reported
Violation Notes:	Discharger failed to submit a revised sampling and monitoring plan by

BORON STP (Continued) **S103340896**

December 1, 2003 as required by BO 6-02-37.
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Violation Date: 08-04-1995
Citation: California Water Code
Violation Description: Not reported
Violation Notes: POND FREEBOARD VIOLATIONS IN APRIL 1995 SMR
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Violation Date: 04-21-1997
Citation: California Water Code
Violation Description: Not reported
Violation Notes: FREEBOARD FOR POND #2 LESS THAN 2.0 FEET
Violation Division: Water Boards
Violation Program: WDRMUNILRG
Violation Source: CIWQS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-23-1994
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-25-2010
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-24-2001
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-16-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection

BORON STP (Continued) **S103340896**

Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-29-1999
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-15-2003
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-07-1995
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 08-18-1999
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection
Eval Date: 11-08-2018
Violations Found: No
Eval Type: RWQCB Type A compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-07-2014
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG

BORON STP (Continued) **S103340896**

Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 04-16-2002
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-02-2015
Violations Found: No
Eval Type: RWQCB Type B compliance inspection
Eval Notes: Not reported
Eval Division: Water Boards
Eval Program: WDRMUNILRG
Eval Source: CIWQS

Enforcement Action:
Site ID: 99660
Site Name: Boron STP
Site Address: WEST BORON
Site City: BORON
Site Zip: 93596
Enf Action Date: 01-07-2004
Enf Action Type: Notice of Violation (Water)
Enf Action Description: Notice of Violation Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Site Address: WEST BORON
Site City: BORON
Site Zip: 93596
Enf Action Date: 07-14-2000
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Site Address: WEST BORON
Site City: BORON
Site Zip: 93596
Enf Action Date: 09-18-1999
Enf Action Type: Notice to Comply (Minor Violations)
Enf Action Description: Notice to Comply for Minor Violations
Enf Action Notes: Not reported
Enf Action Division: Water Boards

BORON STP (Continued) **S103340896**

Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

Site ID: 99660
Site Name: Boron STP
Site Address: WEST BORON
Site City: BORON
Site Zip: 93596
Enf Action Date: 11-07-2013
Enf Action Type: Oral Communication
Enf Action Description: Oral Communication
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: WDRMUNILRG
Enf Action Source: CIWQS

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582 **U S BORAX INC** **UST** **U004050976**
North **BORAX RD 1-MI N OF HWY 58** **N/A**
1/2-1 **BORON, CA 93516**
0.865 mi.
4565 ft.

Actual:
2450 ft.

Focus Map:
52

UST:
Name: U S BORAX INC
Address: BORAX RD 1-MI N OF HWY 58
City,State,Zip: BORON, CA 93516
Facility ID: FA0000958
Permitting Agency: KERN COUNTY
Latitude: 35.00418
Longitude: -117.65299

CD583 **BORON MAINTENANCE FACILITY** **FINDS** **1023344949**
North **26653 PROSPECT AVENUE** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 1 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

FINDS:
Registry ID: 110066408033

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CD584 **MUROC JOINT UNIFIED SCHOOL DIST.** **FINDS** **1023365037**
North **26653 PROSPECT ST** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 2 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

FINDS:
Registry ID: 110066625245

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CD585 **MJUSD-MUROC JOINT UNIFIED SCHOOL DIST** **HAZNET** **S113163331**
North **26653 PROSPECT** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 3 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

HAZNET:

Name:	MJUSD-MUROC JOINT UNIFIED SCHOOL DIST
Address:	26653 PROSPECT
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	JIM MCLAUGHLIN
Telephone:	6197625882
Mailing Name:	Not reported
Mailing Address:	26653 PROSPECT ST
Year:	1998
Gepaid:	CAL912405351
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	1.4595
Year:	1994
Gepaid:	CAL912405351
TSD EPA ID:	CAD980883177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	4.17
Year:	1992
Gepaid:	CAL912405351
TSD EPA ID:	CAD980883177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	2.2935

Additional Info:

Year:	1998
Gen EPA ID:	CAL912405351
Shipment Date:	19980813

MJUSD-MUROC JOINT UNIFIED SCHOOL DIST (Continued) **S113163331**

Creation Date:	10/20/1998 0:00:00
Receipt Date:	19980813
Manifest ID:	96712946
Trans EPA ID:	CAD982462392
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.4595
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAL912405351
Shipment Date:	19940518
Creation Date:	3/25/1996 0:00:00
Receipt Date:	19940518
Manifest ID:	93336480
Trans EPA ID:	CAD982495608
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD980883177
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD980883177
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	4.17
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MJUSD-MUROC JOINT UNIFIED SCHOOL DIST
Address:	26653 PROSPECT
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000

MJUSD-MUROC JOINT UNIFIED SCHOOL DIST (Continued) **S113163331**

EPA ID:	CAL912405351
Inactive Date:	06/30/2001
Create Date:	08/28/1991
Last Act Date:	11/01/2012
Mailing Name:	Not reported
Mailing Address:	26653 PROSPECT ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935161555
Owner Name:	MUROC JOINT USD
Owner Address:	17100 FOOTHILL AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	NORTH EDWARDS, CA 935230000
Contact Name:	JIM MCLAUGHLIN
Contact Address:	Not reported
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 935161555

NAICS:

EPA ID:	CAL912405351
Create Date:	2002-03-14 16:36:30.000
NAICS Code:	61111
NAICS Description:	Elementary and Secondary Schools
Issued EPA ID Date:	1991-08-28 00:00:00
Inactive Date:	2001-06-30 00:00:00
Facility Name:	MJUSD-MUROC JOINT UNIFIED SCHOOL DIST
Facility Address:	26653 PROSPECT
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935160000

CD586 **BORON MAINTENANCE FACILITY** **LUST** **S105193263**
North **26653 PROSPECT AVENUE** **Cortese** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 4 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

LUST Region 6V:

Name:	BORON MAINTENANCE FACILITY
Address:	26653 PROSPECT AVENUE
City:	BORON
Region:	6V
Case Number:	6B1501004T
Leak Record:	Not reported
Report Date:	3/18/1997
Reported By Address:	26653 PROSPECT AVENUE
Responsible Party:	UNKNOWN
Operator:	UNKNOWN
Cross Street:	Not reported
Local Agency:	15000L
Regional Board:	6V
Chemical:	Gasoline
Case Type:	Soil only
Funding:	Not reported
Enforce Type:	Not reported
How Found:	OM

BORON MAINTENANCE FACILITY (Continued) **S105193263**

How Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T060299521
Stop Date:	5/18/1994
Leak Confirm:	Not reported
Submit Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	3/14/1997
Discovered:	5/18/1994
Enforce Date:	Not reported
Review Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
MTBE class:	*
Max MTBE Grnd Wtr:	Not reported
Max MTBE Soil:	Not reported
MTBE Counts:	0
MTBE Fuel:	1
MTBE Tested:	NT
Organization Name:	Not reported
Status:	Case Closed
Contact:	Not reported
Interim Action:	Not reported
Pilot Program:	LUST
Lat/Long:	35 / -117.654463
Staff Initials:	ETL
Local Agency Staff:	LVS
Lead Agency:	Local Agency
Summary:	Haz Mat incident report filed : TANK REMOVAL : UNKNOWN
Basin Number:	ANTELOPE VALLEY (6-4
Beneficial:	Not reported
Priority:	Not reported
UST Cleanup Fund ID:	Not reported
Suspended:	Not reported
Local Case Number:	560001
Amount:	Not reported
Abate Method:	Not reported
Water System:	Not reported
Well Name:	Not reported
Distance:	14049.31742
Wst Disch Reqrmnt Global ID:	Not reported
Wst Disch Reqrmnt Name:	Not reported

CORTESE:

Name:	BORON MAINTENANCE FACILITY
Address:	26653 PROSPECT AVENUE
City,State,Zip:	BORON, CA 93516
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T060299521
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED

BORON MAINTENANCE FACILITY (Continued) **S105193263**

Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CD587 **MUROC JOINT USD-MAINT AND TRANSPTN** **UST** **U004113250**
North **26653 PROSPECT ST** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 5 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

KERN CO. UST:

Name:	BORON MAINTENANCE FACILITY
Address:	26653 PROSPECT
City:	BORON
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	560001
Owner Name:	MUROC JOINT UNIFIED SCHOOL DISTRICT
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported
Tank Num:	560001
Tank Capacity:	500
Common Name:	Not reported
Description:	USED OIL
Number of Compartments:	Not reported
Install Date:	01/01/1960
Date of Closure:	08/13/1998
Billing Status:	Inactive, non-billable
Mailing Address:	26653 PROSPECT AVENUE
Mailing Address (care of):	JEREMEH JOB
Mailing City/State/Zip:	BORON, CA 93516

CD588 **MUROC JOINT UNIFIED SCHOOL DISTRICT** **EMI** **S124455182**
North **26653 PROSPECT STREET** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 6 of 18 in cluster CD**

Actual: EMI:
2449 ft.

Focus Map: **52**

Name:	MUROC JOINT UNIFIED SCHOOL DISTRICT
Address:	26653 PROSPECT STREET
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	486003
Air District Name:	KER
SIC Code:	8211
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.00684
Reactive Organic Gases Tons/Yr:	0.00684
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.875
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.35

CD589 **MUROC JOINT UNIFIED SCHOOL DIST.** **EMI** **S124455631**
North **26653 PROSPECT STREET** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 7 of 18 in cluster CD**

Actual: EMI:
2449 ft.

Focus Map: **52**

Name:	MUROC JOINT UNIFIED SCHOOL DIST.
Address:	26653 PROSPECT STREET
City,State,Zip:	BORON, CA 93516
Year:	2017
County Code:	15
Air Basin:	MD
Facility ID:	8009003
Air District Name:	KER
SIC Code:	5541
Air District Name:	EASTERN KERN APCD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0.0068
Reactive Organic Gases Tons/Yr:	0.0068
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr:	Not reported

CD590 **BORON HIGH SCHOOL** **HIST UST** **U001586496**
North **26653 PROSPECT** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 8 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

HIST UST:

Name:	BORON HIGH SCHOOL
Address:	26653 PROSPECT
City,State,Zip:	BORON, CA 93516
File Number:	00024D9C
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024D9C.pdf
Region:	STATE
Facility ID:	00000032831
Facility Type:	Other
Other Type:	SCHOOL
Contact Name:	DIST SUPERIOR BILL DAVIS
Telephone:	6197625882
Owner Name:	MUROC JOINT UNIFIED SCHOOL DIS
Owner Address:	FOOTHILL AND GRANADA
Owner City,St,Zip:	NORTH EDWARDS, CA 93523
Total Tanks:	0005
Tank Num:	001
Container Num:	MUROC 5
Year Installed:	1960
Tank Capacity:	00000500
Tank Used for:	WASTE
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	None
Tank Num:	002
Container Num:	MUROC 4
Year Installed:	1960
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None
Tank Num:	003
Container Num:	MUROC 3
Year Installed:	1960
Tank Capacity:	00006000
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None
Tank Num:	004
Container Num:	MUROC 2
Year Installed:	1978
Tank Capacity:	00010000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None

BORON HIGH SCHOOL (Continued) **U001586496**

Tank Num:	005
Container Num:	MUROC 1
Year Installed:	1979
Tank Capacity:	00012000
Tank Used for:	PRODUCT
Type of Fuel:	WASTE OIL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, None

Click here for Geo Tracker PDF:

CD591 **MUROC JT UNIF SCHL DIST TRANSPORT** **RCRA-SQG** **1004677076**
North **26653 PROSPECT ST** **FINDS** **CAR000092932**
1/2-1 **BORON, CA 93516** **ECHO**
0.869 mi.
4587 ft. **Site 9 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

RCRA-SQG:

Date Form Received by Agency:	20010308
Handler Name:	MUROC JT UNIF SCHL DIST TRANSPORT
Handler Address:	26653 PROSPECT ST
Handler City,State,Zip:	BORON, CA 93516
EPA ID:	CAR000092932
Contact Name:	JAMES MCLAUGHLIN
Contact Address:	26653 PROSPECT ST
Contact City,State,Zip:	BORON, CA 93516
Contact Telephone:	760-762-5882
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Municipal
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	26653 PROSPECT ST
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	BERTHA BOULLION
Owner Type:	Municipal
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No

MUROC JT UNIF SCHL DIST TRANSPORT (Continued) **1004677076**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D027
Waste Description:	1,4-DICHLOROBENZENE

MUROC JT UNIF SCHL DIST TRANSPORT (Continued) **1004677076**

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: BERTHA BOULLION
Legal Status: Municipal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 17100 FOOTHILL
Owner/Operator City,State,Zip: N EDWARDS, CA 93523
Owner/Operator Telephone: 760-769-4821
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20010308
Handler Name: MUROC JT UNIF SCHL DIST TRANSPORT
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110012196097

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

MUROC JT UNIF SCHL DIST TRANSPORT (Continued) **1004677076**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004677076
Registry ID:	110012196097
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012196097
Name:	MUROC JT UNIF SCHL DIST TRANSPORT
Address:	26653 PROSPECT ST
City,State,Zip:	BORON, CA 93516

CD592 **MUROC JOINT USD-MAINT AND TRANSPTN** **CERS HAZ WASTE** **S113175719**
North **26653 PROSPECT ST** **CERS TANKS** **N/A**
1/2-1 **BORON, CA 93516** **CUPA Listings**
0.869 mi. **HAZNET**
4587 ft. **Site 10 of 18 in cluster CD** **CERS**
HWTS

Actual:
2449 ft.

Focus Map:
52

CERS HAZ WASTE:

Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Address:	26653 PROSPECT ST
City,State,Zip:	BORON, CA 93516
Site ID:	136904
CERS ID:	10232002
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Address:	26653 PROSPECT ST
City,State,Zip:	BORON, CA 93516
Site ID:	136904
CERS ID:	10232002
CERS Description:	Aboveground Petroleum Storage

KERN CO CUPA:

Facility ID:	FA0001116
CERS ID:	10232002
Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Address:	26653 PROSPECT ST
Address 2:	26653 PROSPECT ST
City,State,Zip:	BORON, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN MED LOW RISK 2-5 UNITS
Program Element Code:	CB5T
HMIRRP Due Date:	7/31/2013
Current Inspection Date:	9/1/2023
Employee:	CUPA 3
Mailing Address:	26653 PROSPECT AVENUE
Mailing Address 2:	Not reported
Mailing City:	BORON
Mailing State:	CA
Mailing Zip:	93516

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

HAZNET:

Name:	MUROC JT UNIF SCHL DIST TRANSP
Address:	26653 PROSPECT ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935161555
Contact:	JEREMEH JOB
Telephone:	7607625882
Mailing Name:	Not reported
Mailing Address:	26653 PROSPECT ST
Year:	2019
Gepaid:	CAR000092932
TSD EPA ID:	CA0000084517
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.12510
Year:	2018
Gepaid:	CAR000092932
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	14.95000
Year:	2018
Gepaid:	CAR000092932
TSD EPA ID:	CA0000084517
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.02100
Year:	2018
Gepaid:	CAR000092932
TSD EPA ID:	CAD059494310
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.10000
Year:	2018
Gepaid:	CAR000092932
TSD EPA ID:	CA0000084517
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.25020
Year:	2018
Gepaid:	CAR000092932
TSD EPA ID:	CAD059494310
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Tons:	0.07500
Year:	2017
Gepaid:	CAR000092932
TSD EPA ID:	CA0000084517
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.021
Year:	2017
Gepaid:	CAR000092932
TSD EPA ID:	CA0000084517
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.2919
Year:	2017
Gepaid:	CAR000092932
TSD EPA ID:	CAD059494310
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.075
Year:	2017
Gepaid:	CAR000092932
TSD EPA ID:	NED981723513
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0625

Click this hyperlink while viewing on your computer to access
49 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2014
Gen EPA ID:	CAR000092932
Shipment Date:	20141218
Creation Date:	3/6/2015 22:14:58
Receipt Date:	20141223
Manifest ID:	004600920SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141218
Creation Date:	8/31/2015 22:15:24
Receipt Date:	20141222
Manifest ID:	004219788SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140924
Creation Date:	11/22/2014 22:15:14
Receipt Date:	20141001
Manifest ID:	004544582SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Shipment Date:	20140702
Creation Date:	9/22/2014 22:15:02
Receipt Date:	20140723
Manifest ID:	004360265SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140408
Creation Date:	7/11/2014 22:15:07
Receipt Date:	20140506
Manifest ID:	004243834SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140408
Creation Date:	7/11/2014 22:15:07
Receipt Date:	20140506
Manifest ID:	004243834SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140122
Creation Date:	6/13/2014 22:15:06
Receipt Date:	20140205
Manifest ID:	004070593SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140122
Creation Date:	6/13/2014 22:15:06
Receipt Date:	20140205
Manifest ID:	004070593SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.05838
Waste Quantity: 14
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2017
Gen EPA ID: CAR000092932

Shipment Date: 20171208
Creation Date: 6/29/2018 18:30:18
Receipt Date: 20171218
Manifest ID: 006410678SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code: D039
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.05421
Waste Quantity: 13
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20171208
Creation Date: 6/29/2018 18:30:18
Receipt Date: 20171218
Manifest ID: 006410678SKS
Trans EPA ID: TXR000081205
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: MAD039322250
Trans 2 Name: CLEAN HARBORS
TSDF EPA ID: CA0000084517
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.021
Waste Quantity: 5

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170914
Creation Date:	6/20/2018 18:31:51
Receipt Date:	20170925
Manifest ID:	006172976SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170914
Creation Date:	5/19/2018 18:30:13
Receipt Date:	20170929
Manifest ID:	006172975SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SVC INC
TSDF EPA ID:	CAD059494310
Trans Name:	CLEAN HARBORS SAN JOSE
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Shipment Date:	20170720
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170725
Manifest ID:	010140459FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MNS000110924
Trans 2 Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS
TSDF EPA ID:	TXD074196338
Trans Name:	PHILIP RECLAMATION SERVICES HOUSTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.033
Waste Quantity:	66
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170720
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170801
Manifest ID:	006117920SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	AZR000003681
Trans Name:	THERMO FLUIDS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20170720
Creation Date:	8/2/2018 18:30:33
Receipt Date:	20170725
Manifest ID:	010140459FLE
Trans EPA ID:	MNS000110924
Trans Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS INC
Trans 2 EPA ID:	MNS000110924

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans 2 Name:	STERICYCLE SPECIALTY WASTE SOLUTIONS
TSDF EPA ID:	TXD074196338
Trans Name:	PHILIP RECLAMATION SERVICES HOUSTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0085
Waste Quantity:	17
Quantity Unit:	P
Additional Code 1:	D005
Additional Code 2:	D001
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170629
Creation Date:	5/17/2018 18:31:53
Receipt Date:	20170710
Manifest ID:	006035784SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170407
Creation Date:	5/4/2018 18:30:58
Receipt Date:	20170417
Manifest ID:	005783844SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170407
Creation Date:	5/12/2018 18:31:28
Receipt Date:	20170428
Manifest ID:	005831456SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRON SVCS INC
TSDF EPA ID:	NED981723513
Trans Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES IN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D018
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000092932
Shipment Date:	20151118
Creation Date:	1/23/2016 22:15:12
Receipt Date:	20151124
Manifest ID:	005151485SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151118
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151119
Manifest ID:	005151484SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150819
Creation Date:	11/4/2015 22:15:36
Receipt Date:	20150825
Manifest ID:	004967286SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Shipment Date:	20150810
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150812
Manifest ID:	012784120JJK
Trans EPA ID:	OHD108405531
Trans Name:	MEC INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.69
Waste Quantity:	3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150603
Creation Date:	8/20/2015 22:15:27
Receipt Date:	20150611
Manifest ID:	004937857SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150311
Creation Date:	6/24/2015 22:15:41
Receipt Date:	20150317
Manifest ID:	004640863SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150311
Creation Date:	8/18/2015 22:15:22
Receipt Date:	20150311
Manifest ID:	004640862SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAR000092932

Shipment Date:	20041123
Creation Date:	2/17/2005 18:31:05
Receipt Date:	20041128
Manifest ID:	23722407
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041123
Creation Date:	2/17/2005 18:31:05
Receipt Date:	20041128
Manifest ID:	23722407
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041123
Creation Date:	2/17/2005 18:31:05
Receipt Date:	20041128
Manifest ID:	23722407
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040901
Creation Date:	12/28/2004 14:47:40
Receipt Date:	20040907
Manifest ID:	23712322
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040901
Creation Date:	12/28/2004 14:47:40
Receipt Date:	20040907
Manifest ID:	23712322
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.09174
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040901
Creation Date:	12/28/2004 14:47:40
Receipt Date:	20040907
Manifest ID:	23712322

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040610
Creation Date:	10/15/2004 15:16:06
Receipt Date:	20040617
Manifest ID:	23014389
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.08757
Waste Quantity:	21
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040610
Creation Date:	10/15/2004 15:16:06
Receipt Date:	20040617
Manifest ID:	23014390
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040218
Creation Date:	8/20/2004 9:31:41
Receipt Date:	20040222
Manifest ID:	23016175
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040218
Creation Date:	8/20/2004 9:31:41
Receipt Date:	20040222
Manifest ID:	23016175
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 5: Not reported

Additional Info:
Year: 2007
Gen EPA ID: CAR000092932

Shipment Date: 20071206
Creation Date: 3/6/2008 18:30:13
Receipt Date: 20071219
Manifest ID: 000816166SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD093459485
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code: D040
Meth Code: H020 - Solvents Recovery
Quantity Tons: 0.09591
Waste Quantity: 23
Quantity Unit: G
Additional Code 1: D039
Additional Code 2: D018
Additional Code 3: D001
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20071206
Creation Date: 3/6/2008 18:30:13
Receipt Date: 20071219
Manifest ID: 000816166SKS
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD093459485
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: D039
Meth Code: H020 - Solvents Recovery
Quantity Tons: 0.0168
Waste Quantity: 4
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20070830
Creation Date: 11/5/2007 18:30:58
Receipt Date: 20070906

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Manifest ID:	000856990SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070830
Creation Date:	11/5/2007 18:30:58
Receipt Date:	20070906
Manifest ID:	000856990SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070830
Creation Date:	11/5/2007 18:30:58
Receipt Date:	20070906
Manifest ID:	000856990SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20070614
Creation Date:	10/23/2007 18:30:06
Receipt Date:	20070621
Manifest ID:	000324301SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.09591
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070614
Creation Date:	10/23/2007 18:30:06
Receipt Date:	20070621
Manifest ID:	000324301SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070614
Creation Date:	10/23/2007 18:30:06
Receipt Date:	20070621
Manifest ID:	000324301SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20070315
Creation Date:	9/20/2007 18:30:37
Receipt Date:	20070322
Manifest ID:	000389405SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20070315
Creation Date:	9/20/2007 18:30:37
Receipt Date:	20070322
Manifest ID:	000389405SKS
Trans EPA ID:	TXR000050930

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.09174
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAR000092932
Shipment Date:	20031105
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031109
Manifest ID:	22526270
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031105
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031109
Manifest ID:	22526270
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031105
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031109
Manifest ID:	22526270
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030814
Creation Date:	7/29/2004 7:43:54
Receipt Date:	20030818
Manifest ID:	22389567
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.06672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030814
Creation Date:	7/29/2004 7:43:54
Receipt Date:	20030818
Manifest ID:	22389567
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030814
Creation Date:	7/29/2004 7:43:54
Receipt Date:	20030818
Manifest ID:	22389567
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030521
Creation Date:	6/23/2004 10:00:42
Receipt Date:	20030530
Manifest ID:	22382061

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030521
Creation Date:	6/23/2004 10:00:42
Receipt Date:	20030530
Manifest ID:	22382061
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030521
Creation Date:	6/23/2004 10:00:42
Receipt Date:	20030530
Manifest ID:	22382061
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.08757
Waste Quantity:	21
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030227
Creation Date:	5/18/2003 14:34:25
Receipt Date:	20030305
Manifest ID:	22433396
Trans EPA ID:	TXR000050930
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAR000092932
Shipment Date:	20020618
Creation Date:	3/13/2003 18:31:17
Receipt Date:	20020621
Manifest ID:	21733333
Trans EPA ID:	SCR000075150
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000092932
Shipment Date:	20121219
Creation Date:	5/8/2013 22:15:09
Receipt Date:	20121228
Manifest ID:	003455383SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121219
Creation Date:	5/8/2013 22:15:09
Receipt Date:	20121228
Manifest ID:	003455383SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05421
Waste Quantity:	13
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120823
Creation Date:	1/25/2013 22:15:18
Receipt Date:	20120904
Manifest ID:	003283113SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120823
Creation Date:	1/25/2013 22:15:18
Receipt Date:	20120904
Manifest ID:	003283113SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120314
Creation Date:	8/29/2012 22:15:17
Receipt Date:	20120327
Manifest ID:	002738568SKS

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05421
Waste Quantity:	13
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120314
Creation Date:	8/29/2012 22:15:17
Receipt Date:	20120327
Manifest ID:	002738568SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120118
Creation Date:	6/9/2012 20:30:10
Receipt Date:	20120131
Manifest ID:	002764007SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120118
Creation Date:	6/9/2012 20:30:10
Receipt Date:	20120131
Manifest ID:	002764007SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAR000092932
Shipment Date:	20131023
Creation Date:	3/8/2014 22:15:07
Receipt Date:	20131104
Manifest ID:	003746690SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131023
Creation Date:	3/8/2014 22:15:07
Receipt Date:	20131104
Manifest ID:	003746690SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05421
Waste Quantity:	13
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130814
Creation Date:	1/6/2014 22:15:06
Receipt Date:	20130822
Manifest ID:	006883802FLE
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05421
Waste Quantity:	13
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130814
Creation Date:	1/6/2014 22:15:06
Receipt Date:	20130822
Manifest ID:	006883802FLE
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130508
Creation Date:	10/8/2013 22:15:15
Receipt Date:	20130517
Manifest ID:	003091119SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130508
Creation Date:	10/8/2013 22:15:15
Receipt Date:	20130517

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Manifest ID:	003091119SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130312
Creation Date:	7/25/2013 9:05:24
Receipt Date:	20130320
Manifest ID:	003564493SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20130312
Creation Date:	7/25/2013 9:05:24
Receipt Date:	20130320
Manifest ID:	003564493SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAR000092932
Shipment Date:	20111004
Creation Date:	3/26/2012 20:30:13
Receipt Date:	20111017
Manifest ID:	002700893SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111004
Creation Date:	3/26/2012 20:30:13
Receipt Date:	20111017
Manifest ID:	002700893SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110810
Creation Date:	8/28/2012 11:16:45
Receipt Date:	20110822
Manifest ID:	008409747JJK
Trans EPA ID:	CAD980813950
Trans Name:	CRANE'S WASTE OIL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	ENVIRONMENTAL LOGISTIES SER
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110714
Creation Date:	1/12/2012 18:30:25
Receipt Date:	20110725
Manifest ID:	002584033SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110714
Creation Date:	1/12/2012 18:30:25
Receipt Date:	20110725
Manifest ID:	002584033SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110421
Creation Date:	10/1/2011 18:31:02
Receipt Date:	20110502
Manifest ID:	002847359SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110421
Creation Date:	10/1/2011 18:31:02

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Receipt Date:	20110502
Manifest ID:	002847359SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06672
Waste Quantity:	16
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110224
Creation Date:	5/17/2013 22:15:06
Receipt Date:	Not reported
Manifest ID:	002612494SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110224
Creation Date:	5/17/2013 22:15:06
Receipt Date:	Not reported
Manifest ID:	002612494SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAR000092932
Shipment Date:	20101201
Creation Date:	5/20/2011 18:30:13
Receipt Date:	20101213
Manifest ID:	003851913FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101201
Creation Date:	5/20/2011 18:30:13
Receipt Date:	20101213
Manifest ID:	003851913FLE
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100908
Creation Date:	2/8/2011 18:30:44
Receipt Date:	20100920
Manifest ID:	000351527CEX
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100908
Creation Date:	2/8/2011 18:30:44
Receipt Date:	20100920
Manifest ID:	000351527CEX
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	D039
Additional Code 2:	D018

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100616
Creation Date:	1/19/2011 18:30:07
Receipt Date:	20100628
Manifest ID:	002456665SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100616
Creation Date:	1/19/2011 18:30:07
Receipt Date:	20100628
Manifest ID:	002456665SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.045
Waste Quantity:	90
Quantity Unit:	P
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100513
Creation Date:	1/14/2011 18:30:08
Receipt Date:	20100607

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Manifest ID:	002339447SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD077603371
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D027
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	D018
Additional Code 2:	D008
Additional Code 3:	D006
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100324
Creation Date:	12/3/2010 18:30:22
Receipt Date:	20100404
Manifest ID:	002507170SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000613893
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.11676
Waste Quantity:	28
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100106
Creation Date:	3/5/2010 18:31:23
Receipt Date:	20100115
Manifest ID:	001826301SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100106
Creation Date:	3/5/2010 18:31:23
Receipt Date:	20100115
Manifest ID:	001826301SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D037
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D027
Additional Code 2:	D018
Additional Code 3:	D008
Additional Code 4:	D006
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAR000092932
Shipment Date:	20051026
Creation Date:	7/12/2006 18:31:35
Receipt Date:	20051103
Manifest ID:	24720939
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051026
Creation Date:	7/12/2006 18:31:35
Receipt Date:	20051103
Manifest ID:	24720939
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.08757
Waste Quantity:	21
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051026
Creation Date:	7/12/2006 18:31:35
Receipt Date:	20051103
Manifest ID:	24720939
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Shipment Date:	20050803
Creation Date:	10/28/2005 18:30:54
Receipt Date:	20050811
Manifest ID:	23673971
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050803
Creation Date:	10/28/2005 18:30:54
Receipt Date:	20050811
Manifest ID:	23673971
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050803
Creation Date:	10/28/2005 18:30:54
Receipt Date:	20050811
Manifest ID:	23673971
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09591
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050512
Creation Date:	8/17/2005 18:31:07
Receipt Date:	20050519
Manifest ID:	24489785
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050512
Creation Date:	8/17/2005 18:31:07
Receipt Date:	20050519
Manifest ID:	24489785
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050512
Creation Date:	8/17/2005 18:31:07
Receipt Date:	20050519
Manifest ID:	24489785
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09174
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050216
Creation Date:	4/29/2005 11:28:07
Receipt Date:	20050224
Manifest ID:	23664783
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAR000092932

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Shipment Date:	20151118
Creation Date:	1/23/2016 22:15:12
Receipt Date:	20151124
Manifest ID:	005151485SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151118
Creation Date:	1/11/2016 22:16:27
Receipt Date:	20151119
Manifest ID:	005151484SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20150819
Creation Date:	11/4/2015 22:15:36
Receipt Date:	20150825
Manifest ID:	004967286SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150810
Creation Date:	1/20/2016 22:15:31
Receipt Date:	20150812
Manifest ID:	012784120JJK
Trans EPA ID:	OHD108405531
Trans Name:	MEC INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.69
Waste Quantity:	3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150603
Creation Date:	8/20/2015 22:15:27
Receipt Date:	20150611
Manifest ID:	004937857SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150311
Creation Date:	6/24/2015 22:15:41
Receipt Date:	20150317
Manifest ID:	004640863SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CA0000084517
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D039
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20150311
Creation Date:	8/18/2015 22:15:22
Receipt Date:	20150311
Manifest ID:	004640862SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAR000092932
Shipment Date:	20091104
Creation Date:	1/8/2010 18:30:49
Receipt Date:	20091113
Manifest ID:	000254784CEX
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091104
Creation Date:	1/8/2010 18:30:49
Receipt Date:	20091113
Manifest ID:	000254784CEX
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Shipment Date:	20091104
Creation Date:	1/8/2010 18:30:49
Receipt Date:	20091113
Manifest ID:	000254784CEX
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	D006
Additional Code 5:	Not reported

Shipment Date:	20090731
Creation Date:	9/23/2009 18:30:08
Receipt Date:	20090810
Manifest ID:	002125653SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090731
Creation Date:	9/23/2009 18:30:08
Receipt Date:	20090810
Manifest ID:	002125653SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20090731
Creation Date:	9/23/2009 18:30:08
Receipt Date:	20090810
Manifest ID:	002125653SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	D006
Additional Code 5:	Not reported

Shipment Date:	20090422
Creation Date:	5/23/2009 18:30:08
Receipt Date:	20090427
Manifest ID:	001901036SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.1251
Waste Quantity:	30

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090422
Creation Date:	5/23/2009 18:30:08
Receipt Date:	20090427
Manifest ID:	001901036SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090422
Creation Date:	5/23/2009 18:30:08
Receipt Date:	20090427
Manifest ID:	001901036SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02919
Waste Quantity:	7
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20090115

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Creation Date:	3/9/2009 18:30:46
Receipt Date:	20090122
Manifest ID:	001637717SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.09591
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAR000092932
Shipment Date:	20081023
Creation Date:	12/10/2008 18:30:08
Receipt Date:	20081030
Manifest ID:	001461583SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.09591
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081023
Creation Date:	12/10/2008 18:30:08
Receipt Date:	20081030
Manifest ID:	001461583SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080731
Creation Date:	9/10/2008 18:30:39
Receipt Date:	20080808
Manifest ID:	001138466SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080731
Creation Date:	9/10/2008 18:30:39
Receipt Date:	20080808
Manifest ID:	001138466SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Quantity Tons:	0.10842
Waste Quantity:	26
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080731
Creation Date:	9/10/2008 18:30:39
Receipt Date:	20080808
Manifest ID:	001138466SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	- Not reported
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080508
Creation Date:	7/16/2008 18:30:16
Receipt Date:	20080520
Manifest ID:	001199947SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.09591
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Shipment Date:	20080508
Creation Date:	7/16/2008 18:30:16
Receipt Date:	20080520
Manifest ID:	001199947SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	- Not reported
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D027
Additional Code 3:	D018
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080508
Creation Date:	7/16/2008 18:30:16
Receipt Date:	20080520
Manifest ID:	001199947SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080227
Creation Date:	5/5/2008 18:30:23
Receipt Date:	20080303
Manifest ID:	000915883SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.10425
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080227
Creation Date:	5/5/2008 18:30:23
Receipt Date:	20080303
Manifest ID:	000915883SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	- Not reported
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAR000092932

Shipment Date:	20061221
Creation Date:	4/19/2007 18:31:30
Receipt Date:	20061228
Manifest ID:	000345447SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D039

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D027
Additional Code 2:	D018
Additional Code 3:	D008
Additional Code 4:	D006
Additional Code 5:	Not reported
Shipment Date:	20061221
Creation Date:	4/19/2007 18:31:30
Receipt Date:	20061228
Manifest ID:	000345447SKS
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.09591
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060928
Creation Date:	3/30/2007 13:31:29
Receipt Date:	20061005
Manifest ID:	001005489JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D039
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	D027
Additional Code 2:	D018
Additional Code 3:	D008
Additional Code 4:	D006
Additional Code 5:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Shipment Date:	20060928
Creation Date:	3/30/2007 13:31:29
Receipt Date:	20061005
Manifest ID:	001005489JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D040
Meth Code:	H020 - Solvents Recovery
Quantity Tons:	0.08757
Waste Quantity:	21
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D018
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060928
Creation Date:	3/30/2007 13:31:29
Receipt Date:	20061005
Manifest ID:	001005489JJK
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060706
Creation Date:	9/13/2006 18:30:50
Receipt Date:	20060713
Manifest ID:	23671447
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	D039
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.0168
Waste Quantity:	4
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060706
Creation Date:	9/13/2006 18:30:50
Receipt Date:	20060713
Manifest ID:	23671447
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060706
Creation Date:	9/13/2006 18:30:50
Receipt Date:	20060713
Manifest ID:	23671447
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09174
Waste Quantity:	22

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060413
Creation Date:	7/29/2006 18:31:14
Receipt Date:	20060420
Manifest ID:	23681813
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D006
Meth Code:	R01 - Recycler
Quantity Tons:	0.02502
Waste Quantity:	6
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060413
Creation Date:	7/29/2006 18:31:14
Receipt Date:	20060420
Manifest ID:	23681813
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD093459485
Trans Name:	SAFETY KLEEN SYSTEMS INC
TSDF Alt EPA ID:	CAD093459485
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.09591
Waste Quantity:	23
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:
Name: MUROC JOINT USD-MAINT AND TRANSPTN

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Address: 26653 PROSPECT ST
City,State,Zip: BORON, CA 93516
Site ID: 136904
CERS ID: 10232002
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 09-09-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/08/2016. The hazardous materials inventory is not accurate. Add the following items: 165 gallons of Anti-freeze and 530 cubic feet of Argon. Once these items have been added to the hazardous materials inventory, please submit the revised inventory in the California Environmental Reporting System (CERS).
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 08-08-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to comply with one or more of the following requirements: 1. Have record of inspections and integrity tests signed by the appropriate supervisor or inspector. 2. Keep written procedures and records of inspections and integrity tests for at least three years. 3. Keep comparison records.
Violation Notes: Returned to compliance on 10/03/2017. Facility lacking inspection logs for all petroleum products (fresh and waste) as per SPCC plan. Please provide routine inspection logs for all fuel, fresh oil, and waste oil areas for the past 3 years. If no inspection logs have been kept please immediately start conducting inspections of these areas and keeping a written log. Please send one months worth of logs along with a written statement as to how often your facility will be conducting inspections, how long inspection logs will be kept and where those inspection logs will be kept. Send all evidence of compliance to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 08-08-2017
Citation: 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)
Violation Description: Failure to ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relevant to their responsibilities during normal facility operations and emergencies.
Violation Notes: Returned to compliance on 10/03/2017. Facility lacking proper training on the handling, storage and disposal of hazardous wastes, universal

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

wastes and used oil filters. Please revise the training plan to include specific instructions on how to properly handle the used oil collection tanks, used oil filters, used oil that has drained from the oil filter crusher, and universal wastes. Please send copies of the revised training plan and copies of the most current training logs to trulovej@kerncounty.com

Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 09-09-2014
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to maintain SPCC plan onsite (applies if facility is manned at least four (4) hours per day).
Violation Notes: Returned to compliance on 07/08/2016. A Spill Prevention Control and Countermeasure (SPCC) Plan is not maintained on site. Please prepare an SPCC Plan and maintain a copy on site.
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 08-08-2017
Citation: 22 CCR 23 66273.34 - California Code of Regulations, Title 22, Chapter 23, Section(s) 66273.34
Violation Description: Failure to label or mark each individual or container or the designated area of universal waste as required. 1) Waste batteries shall be marked with "Universal Waste-Battery(ies)G . 2) Mercury containing equipment shall be marked with "Universal Waste -Mercury-Containing EquipmentG . 3) Lamps shall be marked with G Universal Waste-Lamp(s)G . 4)Each electronic devices or the container or the designated area shall be marked with G Universal Waste-Electronic Device(s)G . 5) Each CRTs or the container or the designated area shall be marked with "Universal Waste-CRT(s)G . 6) CRT glass or the designated area shall be marked with G Universal Waste-CRT glassG .
Violation Notes: Returned to compliance on 10/03/2017. Observed used batteries left on a shelf without proper labeling. Please ensure that all batteries or all battery collection containers are properly labeled. Please send photos of the corrected items to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 09-09-2014
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.
Violation Notes: Returned to compliance on 07/08/2016. The Employee Training Plan

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

submitted in CERS is not adequate. The plan should describe specific training related to the handling of hazardous materials and hazardous waste, spill response procedures and familiarity with the facility's emergency response plan and procedures. Please prepare a more detailed training plan and submit in CERS. There is a template available at www.co.kern.ca.us/eh

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 08-08-2017
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide and maintain secondary containment for bulk storage tank installations (except for mobile refuelers and other non-transportation-related tank trucks) sufficient to hold the capacity of the largest container and sufficient freeboard for precipitation.
Violation Notes: Returned to compliance on 10/03/2017. Facility lacking adequate secondary containment for all fresh oil in the shop and all oils in the outside bay area. Please provide adequate secondary containment and send photos of the containment to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: APSA
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 08-08-2017
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.
Violation Notes: Returned to compliance on 10/03/2017. Please review and re-certify all CERS information. All information must be reviewed and re-certified each year.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 08-08-2017
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 10/03/2017. Please provide the last 3 years of hazardous materials and hazardous waste training logs to trulovej@kerncounty.com If no training has been logged please provide training immediately and then send a copy of the training log and a declaration stating when and how often training will happen from now

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

on.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 08-08-2017
Citation: HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name. A substantial change in the handler's operations that requires modification to any portion of the business plan.
Violation Notes: Returned to compliance on 10/03/2017. Please ensure that all hazardous materials inventory in accurate. Please change the largest container size on both argon and CO2 and then resubmit with all other elements.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 08-08-2017
Citation: 40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description: Failure to meet the following container management requirements: (a) A container holding hazardous waste must always be closed during storage, except when it is necessary to add or remove waste. (b) A container holding hazardous waste must not be opened, handled, or stored in a manner which may rupture the container or cause it to leak.
Violation Notes: Returned to compliance on 10/03/2017. Observed used oil drums left with open caps and bungs. All hazardous waste drums and bins must be closed with a tight fitting lid. Please send pictures of all the hazardous waste drums affixed with tight fitting lids and send those pictures to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date: 09-09-2014
Citation: 22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description: Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes: Returned to compliance on 07/07/2016. One (1) of the 55 gallon drums of Waste Anti-freeze has no "Hazardous Waste" label. The other 55 gallon drum of Waste Anti-freeze has a "Hazardous Waste" label. However, the label has none of the generator's information. Ensure

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

	that all hazardous waste labels have a "Hazardous Waste" label and that the labels are properly completed with all of the generator's information. Once the containers have been properly labeled, please take a photo of the containers and send it to: rubiog@co.kern.ca.us
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	136904
Site Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date:	08-08-2017
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 10/03/2017. Please either properly labeled the used oil collection tanks used throughout the shop or you can choose to empty them into the properly labeled used oil drum on a daily basis. Please provide a written statement describing your facilities procedures on how to handle the used oil collection tanks and send the statement to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	136904
Site Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date:	08-08-2017
Citation:	22 CCR 12 66262.34(d) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(d)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 10/03/2017. Observed used absorbents, used coolant, and used dexcool to be held on-site for longer than 180 days. (used absorbents observed to be dated 1-1-16, used coolant observed to be dated 2-1-16 and used dexcool observed to be dated 6-1-16). Please have all hazardous wastes removed immediately and send a copy of the hazardous waste manifest to trulovej@kerncounty.com. Please ensure that all hazardous wastes are only kept on-site for a period of 180 days or less.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	136904
Site Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date:	09-09-2014

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to prepare and implement a Spill Prevention Control and Countermeasure (SPCC) Plan .
Violation Notes:	Returned to compliance on 07/08/2016. No Spill Prevention Control and Countermeasure (SPCC) Plan has been prepared for the facility. Because the facility has less than 10,000 gallons of storage capacity and has no tank larger than 5,000 gallons, the operator may prepare a Tier I SPCC Plan. A Tier I template is available at www.co.kern.ca.us/eh
Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	136904
Site Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Violation Date:	08-08-2017
Citation:	40 CFR 1 265.172 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.172
Violation Description:	Failure to accumulate or store hazardous waste in container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored.
Violation Notes:	Returned to compliance on 10/03/2017. Observed a plastic bucket used to collect used oil that has drained from the oil filter crusher. All used oils must be kept in a compatible container (metal), be properly labeled with a completed hazardous waste label, accumulation start date etc and have a tight fitting lid that is only open with actively filling the drum with hazardous waste oil. Please send photos of the corrected issues to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-08-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Once all the violations have been corrected please sign and return the last page of this inspection report to certify that all the violations have been properly corrected.
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-08-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Once all the violations have been corrected please sign and return the last page of this inspection report to certify that all the violations have been properly corrected.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-09-2014

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	08-08-2017
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Once all the violations have been corrected please sign and return the last page of this inspection report to certify that all the violations have been properly corrected.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-09-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	APSA
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-09-2014
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Enforcement Action:

Site ID:	136904
Site Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Site Address:	26653 PROSPECT ST
Site City:	BORON
Site Zip:	93516
Enf Action Date:	06-01-2016
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	APSA
Enf Action Source:	CERS
Site ID:	136904
Site Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Site Address:	26653 PROSPECT ST
Site City:	BORON
Site Zip:	93516
Enf Action Date:	06-01-2016
Enf Action Type:	Notice of Violation (Unified Program)

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Site Address: 26653 PROSPECT ST
Site City: BORON
Site Zip: 93516
Enf Action Date: 06-01-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Site Address: 26653 PROSPECT ST
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-09-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: APSA
Enf Action Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Site Address: 26653 PROSPECT ST
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-09-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 136904
Site Name: MUROC JOINT USD-MAINT AND TRANSPTN
Site Address: 26653 PROSPECT ST
Site City: BORON
Site Zip: 93516
Enf Action Date: 09-09-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HW
Enf Action Source: CERS

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Coordinates:

Site ID:	136904
Facility Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Env Int Type Code:	HWG
Program ID:	10232002
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.004230
Longitude:	-117.655680

Affiliation:

Affiliation Type Desc:	Identification Signer
Entity Name:	JEREMEH JOB
Entity Title:	DIRECTOR FOPT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Operator
Entity Name:	JEREMEH JOB
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 250-3208

Affiliation Type Desc:	Environmental Contact
Entity Name:	JEREMEH JOB
Entity Title:	Not reported
Affiliation Address:	26653 PROSPECT ST
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	26653 PROSPECT AVENUE
Affiliation City:	BORON
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93516
Affiliation Phone:	Not reported

Affiliation Type Desc:	Property Owner
Entity Name:	MUROC JOINT UNIFIED SCHOOL DISTRICT
Entity Title:	Not reported
Affiliation Address:	17100 FOOTHILL AVE.
Affiliation City:	NORTH EDWARDS

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93523
Affiliation Phone: (760) 769-4821

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Document Preparer
Entity Name: JEREMEH JOB
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: MUROC JOINT UNION SCHOOL DIST
Entity Title: Not reported
Affiliation Address: 26653 PROSPECT AVE
Affiliation City: BORON
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93516
Affiliation Phone: (760) 762-6785

Affiliation Type Desc: Parent Corporation
Entity Name: MUROC JOINT USD-MAINT AND TRANSPTN
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: MUROC JT UNIF SCHL DIST TRANSP
Address: 26653 PROSPECT ST
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
EPA ID: CAR000092932
Inactive Date: Not reported
Create Date: 04/03/2001
Last Act Date: 07/13/2020
Mailing Name: Not reported
Mailing Address: 26653 PROSPECT ST

MUROC JOINT USD-MAINT AND TRANSPTN (Continued) **S113175719**

Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935161555
Owner Name:	MUROC JOINT UNIFIED SCHOOL DISTRICT
Owner Address:	17100 FOOTHILL AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	NORTH EDWARDS, CA 935233533
Contact Name:	JEREMEH JOB
Contact Address:	26653 PROSPECT ST
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

NAICS:

EPA ID:	CAR000092932
Create Date:	2008-03-20 15:51:28.017
NAICS Code:	61111
NAICS Description:	Elementary and Secondary Schools
Issued EPA ID Date:	2001-04-03 00:00:00
Inactive Date:	Not reported
Facility Name:	MUROC JT UNIF SCHL DIST TRANSP
Facility Address:	26653 PROSPECT ST
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935160000

CD593 **1X MUROC JOINT U S D** **HAZNET** **S123738834**
North **26653 PROSPECT** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 11 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

HAZNET:

Name:	1X MUROC JOINT U S D
Address:	26653 PROSPECT
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	LOGAN, FRANK/DIR
Telephone:	6197625882
Mailing Name:	Not reported
Mailing Address:	--
Year:	1991
Gepaid:	CAC000619400
TSD EPA ID:	CAD980883177
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	R01 - Recycler
Tons:	8.34

HWTS:

Name:	1X MUROC JOINT U S D
Address:	26653 PROSPECT
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC000619400
Inactive Date:	10/25/2000

1X MUROC JOINT U S D (Continued) **S123738834**

Create Date:	07/29/1991
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	--
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	DIST
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	LOGAN, FRANK/DIR
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

CD594 **MUROC SCHOOL DIST MAINTENANCE** **RGA LUST** **S114657592**
North **26653 PROSPECT ST** **N/A**
1/2-1 **BORON, CA**
0.869 mi.
4587 ft. **Site 12 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

RGA LUST:

Name:	MUROC SCHOOL DIST MAINTENANCE		
Address:	26653 PROSPECT ST		
City:	BORON		
State:	BORON		
	1996	MUROC SCHOOL DIST MAINTENANCE	26653 PROSPECT ST
Name:	MUROC SCHOOL DIST MAINTENANCE		
Address:	26653 PROSPECT ST		
City:	BORON		
State:	BORON		
	1995	MUROC SCHOOL DIST MAINTENANCE	26653 PROSPECT ST

CD595 **BORON MAINTENANCE FACILITY** **RGA LUST** **S114585754**
North **26653 PROSPECT RD** **N/A**
1/2-1 **BORON, CA**
0.869 mi.
4587 ft. **Site 13 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

RGA LUST:

Name:	BORON MAINTENANCE FACILITY		
Address:	26653 PROSPECT RD		
City:	BORON		
State:	BORON		
	1998	BORON MAINTENANCE FACILITY	26653 PROSPECT RD
Name:	BORON MAINTENANCE FACILITY		
Address:	26653 PROSPECT RD		
City:	BORON		
State:	BORON		
	1997	BORON MAINTENANCE FACILITY	26653 PROSPECT RD
Name:	BORON MAINTENANCE FACILITY		
Address:	26653 PROSPECT RD		
City:	BORON		
State:	BORON		
	1996	BORON MAINTENANCE FACILITY	26653 PROSPECT RD
Name:	BORON MAINTENANCE FACILITY		

BORON MAINTENANCE FACILITY (Continued) **S114585754**

Address: 26653 PROSPECT RD
City: BORON
State: BORON
1995 BORON MAINTENANCE FACILITY 26653 PROSPECT RD
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT RD
City: BORON
State: BORON
1994 BORON MAINTENANCE FACILITY 26653 PROSPECT RD

CD596 **BORON MAINTENANCE FACILITY** **RGA LUST** **S114585751**
North **26653 PROSPECT AVENUE** **N/A**
1/2-1 **BORON, CA**
0.869 mi.
4587 ft. **Site 14 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

RGA LUST:
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2012 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2011 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2010 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2009 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2008 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2007 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2006 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2005 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY

BORON MAINTENANCE FACILITY (Continued) **S114585751**

Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2003 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE
Name: BORON MAINTENANCE FACILITY
Address: 26653 PROSPECT AVENUE
City: BORON
State: BORON
2002 BORON MAINTENANCE FACILITY 26653 PROSPECT AVENUE

CD597 **MUROC JOINT USD-MAINT AND TRANSPTN** **AST** **A100422568**
North **26653 PROSPECT ST** **N/A**
1/2-1 **BORON, CA 93516**
0.869 mi.
4587 ft. **Site 15 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

AST:

Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Address:	26653 PROSPECT ST
City/Zip:	BORON,93516
Certified Unified Program Agencies:	Not reported
Owner:	MUROC JOINT UNION SCHOOL DIST
Total Gallons:	Not reported
CERSID:	10232002
Facility ID:	Not reported
Business Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Phone:	(760) 762-6785
Fax:	(760)762-1102
Mailing Address:	26653 PROSPECT AVENUE
Mailing Address City:	BORON
Mailing Address State:	CA
Mailing Address Zip Code:	93516
Operator Name:	JEREMEH JOB
Operator Phone:	(760) 250-3208
Owner Phone:	(760) 762-6785
Owner Mail Address:	26653 PROSPECT AVE
Owner State:	CA
Owner Zip Code:	93516
Owner Country:	United States
Property Owner Name:	MUROC JOINT UNIFIED SCHOOL DISTRICT
Property Owner Phone:	(760)769-4821
Property Owner Mailing Address:	17100 FOOTHILL AVE.
Property Owner City:	NORTH EDWARDS
Property Owner Stat :	CA
Property Owner Zip Code:	93523
Property Owner Country:	United States
EPAID:	CAR000092932

CD598 **MUROC JOINT USD-MAINT AND TRANSPTN** **AST** **A100338092**
North **26653 PROSPECT** **N/A**
1/2-1 **BORON, CA**
0.869 mi.
4587 ft. **Site 16 of 18 in cluster CD**

Actual: AST:
2449 ft.

Name:	MUROC JOINT USD-MAINT AND TRANSPTN
Address:	26653 PROSPECT
City/Zip:	BORON,
Certified Unified Program Agencies:	Kern
Owner:	MUROC JOINT UNION SCHOOL DIST
Total Gallons:	6,660
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

Focus Map:
52

CD599 **BORON MAINTENANCE** **RGA LUST** **S114585755**
North **26653 PROSPECT AVENUE** **N/A**
1/2-1 **BORON, CA**
0.869 mi.
4587 ft. **Site 17 of 18 in cluster CD**

Actual: RGA LUST:
2449 ft.

Name:	BORON MAINTENANCE		
Address:	26653 PROSPECT AVENUE		
City:	BORON		
State:	BORON		
	2003	BORON MAINTENANCE	26653 PROSPECT AVENUE
Name:	BORON MAINTENANCE		
Address:	26653 PROSPECT AVENUE		
City:	BORON		
State:	BORON		
	2002	BORON MAINTENANCE	26653 PROSPECT AVENUE

Focus Map:
52

CD600 **BORON HIGH SCHOOL** **LUST** **S101620891**
North **26653 PROSPECT** **SWEEPS UST** **N/A**
1/2-1 **BORON, CA 93516** **CA FID UST**
0.869 mi. **CERS**
4587 ft. **Site 18 of 18 in cluster CD**

Actual:
2449 ft.

Focus Map:
52

LUST:

Name:	BORON MAINTENANCE FACILITY
Address:	26653 PROSPECT AVENUE
City,State,Zip:	BORON, CA 93516
Lead Agency:	KERN COUNTY
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T060299521
Global Id:	T060299521
Latitude:	35.0045322
Longitude:	-117.6573652
Status:	Completed - Case Closed
Status Date:	03/14/1997
Case Worker:	LVS
RB Case Number:	6B1501004T
Local Agency:	KERN COUNTY
File Location:	Not reported
Local Case Number:	560001
Potential Media Affect:	Soil
Potential Contaminants of Concern:	Diesel, Gasoline
Site History:	Not reported

LUST:

Global Id:	T060299521
Contact Type:	Local Agency Caseworker
Contact Name:	X -UNKNOWN
Organization Name:	KERN COUNTY
Address:	Not reported
City:	UNKNOWN
Email:	Not reported
Phone Number:	Not reported

LUST:

Global Id:	T060299521
Action Type:	Other
Date:	05/18/1994
Action:	Leak Discovery

Global Id:	T060299521
Action Type:	Other
Date:	05/18/1994
Action:	Leak Stopped

Global Id:	T060299521
Action Type:	REMEDIATION
Date:	03/18/1997
Action:	Not reported

Global Id:	T060299521
Action Type:	Other
Date:	03/18/1997
Action:	Leak Reported

BORON HIGH SCHOOL (Continued) **S101620891**

LUST:
Global Id: T060299521
Status: Open - Case Begin Date
Status Date: 05/18/1994

Global Id: T060299521
Status: Completed - Case Closed
Status Date: 03/14/1997

SWEEPS UST:
Name: BORON HIGH SCHOOL
Address: 26653 PROSPECT
City: BORON
Status: Active
Comp Number: 32831
Number: 4
Board Of Equalization: 44-006160
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 09-30-89
Owner Tank Id: MUROC 5
SWRCB Tank Id: 15-000-032831-000001
Tank Status: A
Capacity: 500
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: 4

Name: BORON HIGH SCHOOL
Address: 26653 PROSPECT
City: BORON
Status: Active
Comp Number: 32831
Number: 4
Board Of Equalization: 44-006160
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 09-30-89
Owner Tank Id: MUROC 3
SWRCB Tank Id: 15-000-032831-000003
Tank Status: A
Capacity: 6000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Name: BORON HIGH SCHOOL
Address: 26653 PROSPECT
City: BORON
Status: Active
Comp Number: 32831

BORON HIGH SCHOOL (Continued) **S101620891**

Number: 4
Board Of Equalization: 44-006160
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 09-30-89
Owner Tank Id: MUROC 2
SWRCB Tank Id: 15-000-032831-000004
Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: Not reported

Name: BORON HIGH SCHOOL
Address: 26653 PROSPECT
City: BORON
Status: Active
Comp Number: 32831
Number: 4
Board Of Equalization: 44-006160
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 09-30-89
Owner Tank Id: MUROC 1
SWRCB Tank Id: 15-000-032831-000005
Tank Status: A
Capacity: 12000
Active Date: 07-01-85
Tank Use: OIL
STG: W
Content: WASTE OIL
Number Of Tanks: Not reported

Name: BORON HIGH SCHOOL
Address: 26653 PROSPECT
City: BORON
Status: Not reported
Comp Number: 32831
Number: Not reported
Board Of Equalization: 44-006160
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 15-000-032831-000002
Tank Status: Not reported
Capacity: 4000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: 1

CA FID UST:
Facility ID: 15000459

BORON HIGH SCHOOL (Continued) **S101620891**

Regulated By:	UTNKA
Regulated ID:	00032831
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	6197625882
Mail To:	Not reported
Mailing Address:	26656 PROSPECT
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BORON 93516
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CERS:

Name:	BORON MAINTENANCE FACILITY
Address:	26653 PROSPECT AVENUE
City,State,Zip:	BORON, CA 93516
Site ID:	217091
CERS ID:	T060299521
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	X -UNKNOWN - KERN COUNTY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	UNKNOWN
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

CE601 **ROCHELL BURTON** **HWTS** **S126381512**
West **10661 APPLEWOOD DR** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.869 mi.
4589 ft. **Site 1 of 3 in cluster CE**

Actual:
2351 ft.

Focus Map:
20

HWTS:

Name:	ROCHELL BURTON
Address:	10661 APPLEWOOD DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
EPA ID:	CAC003069499
Inactive Date:	09/03/2020
Create Date:	06/04/2020
Last Act Date:	09/04/2020
Mailing Name:	Not reported
Mailing Address:	10661 APPLEWOOD DR
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner Name:	ROCHELL BURTON
Owner Address:	10661 APPLEWOOD DR

ROCHELL BURTON (Continued) **S126381512**

Owner Address 2: Not reported
Owner City,State,Zip: CALIFORNIA CITY, CA 93505
Contact Name: ROCHELL BURTON
Contact Address: 10661 APPLEWOOD DR
Contact Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA 93505

CE602 **ROCHELL BURTON** **FINDS** **1026554139**
West **10661 APPLEWOOD DR** **ECHO** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.869 mi.
4589 ft. **Site 2 of 3 in cluster CE**

Actual:
2351 ft.

Focus Map:
20

FINDS:
Registry ID: 110070854797

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1026554139
Registry ID: 110070854797
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110070854797
Name: ROCHELL BURTON
Address: 10661 APPLEWOOD DR
City,State,Zip: CALIFORNIA CITY, CA 93505

CE603 **ROCHELL BURTON** **RCRA NonGen / NLR** **1026169451**
West **10661 APPLEWOOD DR** **CAC003069499**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.869 mi.
4589 ft. **Site 3 of 3 in cluster CE**

Actual:
2351 ft.

Focus Map:
20

RCRA NonGen / NLR:
Date Form Received by Agency: 20200604
Handler Name: ROCHELL BURTON
Handler Address: 10661 APPLEWOOD DR
Handler City,State,Zip: CALIFORNIA CITY, CA 93505
EPA ID: CAC003069499
Contact Name: ROCHELL BURTON
Contact Address: 10661 APPLEWOOD DR
Contact City,State,Zip: CALIFORNIA CITY, CA 93505
Contact Telephone: 760-284-2428
Contact Fax: Not reported
Contact Email: LIZE@PWSEI.COM
Contact Title: Not reported
EPA Region: 09

ROCHELL BURTON (Continued) **1026169451**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	10661 APPLEWOOD DR
Mailing City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner Name:	ROCHELL BURTON
Owner Type:	Other
Operator Name:	ROCHELL BURTON
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

ROCHELL BURTON (Continued) **1026169451**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200608
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ROCHELL BURTON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10661 APPLEWOOD DR
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	760-284-2428
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ROCHELL BURTON
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10661 APPLEWOOD DR
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	760-284-2428
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200604
Handler Name: ROCHELL BURTON	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

ROCHELL BURTON (Continued) **1026169451**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

CF604 **BORON JUNIOR SENIOR HIGH SCHOOL** **HAZNET** **S112860971**
North **26831 PROSPECT STREET** **NPDES** **N/A**
1/2-1 **BORON, CA 93516** **CIWQS**
0.893 mi. **CERS**
4715 ft. **Site 1 of 5 in cluster CF** **HWTS**

Actual:
2451 ft.

Focus Map:
52

HAZNET:

Name:	BORON JUNIOR SENIOR HIGH SCHOOL
Address:	26831 PROSPECT STREET
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	FRANK LOGAN/MAINT OPER TRANS
Telephone:	6197626785
Mailing Name:	Not reported
Mailing Address:	MUROC JOINT UNIF SCHOOL DIST
Year:	2007
Gepaid:	CAC001024528
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.4587
Year:	2004
Gepaid:	CAC001024528
TSD EPA ID:	CAD028409019
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H01 - Transfer Station
Tons:	1.7
Year:	2004
Gepaid:	CAC001024528
TSD EPA ID:	CAD028409019
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H01 - Transfer Station
Tons:	0.052
Year:	2004
Gepaid:	CAC001024528
TSD EPA ID:	CAD028409019
CA Waste Code:	491 - Unspecified sludge waste
Disposal Method:	H01 - Transfer Station
Tons:	0.5421
Year:	2004
Gepaid:	CAC001024528
TSD EPA ID:	CAD028409019
CA Waste Code:	141 - Off-specification, aged or surplus inorganics
Disposal Method:	H01 - Transfer Station

BORON JUNIOR SENIOR HIGH SCHOOL (Continued) **S112860971**

Tons:	0.22935
Year:	2004
Gepaid:	CAC001024528
TSD EPA ID:	CAD028409019
CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H01 - Transfer Station
Tons:	0.32109

Additional Info:

Year:	2004
Gen EPA ID:	CAC001024528
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23498197
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	23498197
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported

BORON JUNIOR SENIOR HIGH SCHOOL (Continued) **S112860971**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040827
Creation Date:	1/11/2005 18:31:27
Receipt Date:	20040903
Manifest ID:	23498197
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040827
Creation Date:	1/11/2005 18:31:27
Receipt Date:	20040903
Manifest ID:	23498197
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.7
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040827
Creation Date:	1/11/2005 18:31:27
Receipt Date:	20040903
Manifest ID:	23498197

BORON JUNIOR SENIOR HIGH SCHOOL (Continued) **S112860971**

Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	NONE
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5421
Waste Quantity:	130
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040827
Creation Date:	1/11/2005 18:31:27
Receipt Date:	20040903
Manifest ID:	23498197
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0495
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040630
Creation Date:	1/10/2005 18:31:35
Receipt Date:	20040706
Manifest ID:	23490783
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap

BORON JUNIOR SENIOR HIGH SCHOOL (Continued) **S112860971**

RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.00417
Waste Quantity:	1
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040630
Creation Date:	1/10/2005 18:31:35
Receipt Date:	20040706
Manifest ID:	23490783
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040630
Creation Date:	1/10/2005 18:31:35
Receipt Date:	20040706
Manifest ID:	23490783
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.31692
Waste Quantity:	76
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

BORON JUNIOR SENIOR HIGH SCHOOL (Continued) **S112860971**

Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAC001024528
Shipment Date:	20070322
Creation Date:	8/23/2007 18:30:14
Receipt Date:	20070326
Manifest ID:	001712612JJK
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	U122
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4587
Waste Quantity:	110
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

NPDES:

Name:	BORON JUNIOR SENIOR HIGH SCHOOL
Address:	26831 PROSPECT STREET
City,State,Zip:	BORON, CA 93516
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6B15C382752
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	02/16/2021

BORON JUNIOR SENIOR HIGH SCHOOL (Continued) **S112860971**

Operator Name:	Muroc Joint Unified School District
Operator Address:	17100 Foothill Avenue
Operator City:	North Edwards
Operator State:	California
Operator Zip:	93523
Name:	BORON JUNIOR SENIOR HIGH SCHOOL
Address:	26831 PROSPECT STREET
City,State,Zip:	BORON, CA 93516
Facility Status:	Terminated
NPDES Number:	CAS000002
Region:	6B
Agency Number:	0
Regulatory Measure ID:	494762
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	6B15C382752
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	03/14/2018
Termination Date Of Regulatory Measure:	12/31/2020
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	17100 Foothill Avenue
Discharge Name:	Muroc Joint Unified School District
Discharge City:	North Edwards
Discharge State:	California
Discharge Zip:	93523
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

CIWQS:

Name:	BORON JUNIOR SENIOR HIGH SCHOOL
Address:	26831 PROSPECT STREET
City,State,Zip:	BORON, CA 93516
Agency:	Muroc Joint Unified School District
Agency Address:	17100 Foothill Avenue, North Edwards, CA 93523
Place/Project Type:	Construction - Other: Modernization
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C382752
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	03/14/2018
Termination Date:	12/31/2020
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported

BORON JUNIOR SENIOR HIGH SCHOOL (Continued) **S112860971**

Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	1
Latitude:	35.00432
Longitude:	-117.65426

CERS:

Name:	BORON JUNIOR SENIOR HIGH SCHOOL
Address:	26831 PROSPECT STREET
City,State,Zip:	BORON, CA 93516
Site ID:	527731
CERS ID:	861678
CERS Description:	Construction Storm Water

Violations:

Site ID:	527731
Site Name:	Boron Junior Senior High School
Violation Date:	09-20-2018
Citation:	2009-0009-DWQ - Construction General Permit
Violation Description:	SW - No SWPPP
Violation Notes:	No SWPPP on site; SWPPP was written and submitted to SMARTS. No vehicle track in and out stabilization, concrete washout was not maintained properly (spill evident), hazardous materials were on pallet and not on secondary containment, hydrocarbon spill evident on site.
Violation Division:	Water Boards
Violation Program:	CONSTW
Violation Source:	SMARTS

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-20-2018
Violations Found:	Yes
Eval Type:	Industrial Storm Water Compliance Evaluation
Eval Notes:	Tom Browne of the Lahontan Regional Water Board, Victorville, inspected construction at the Boron middle school in Boron on 20 September 2018. Tom met Kevin Cordes, Muroc Joint Unified School District Superintendent, Chase Cooper of CPM construction management company, and 3 other gentlemen without business cards who work for CPM or the school district. There was no SWPPP on site (violation); Mr. Cooper claimed the total area disturbed was less than one acre. Water Board staff paced off a disturbed area of approximately 82,000 square feet or approximately 1.7 acres. The SWPPP says 3.0 acres of land would be disturbed. The SWPPP risk calculation is acceptable (R x K x LS = 2.65, Risk level 1). The following violations were noted: sloppy concrete wash out, no stabilization at entrance (rumble plates or rock), hazardous materials without secondary containment, a spill of about 15 square feet that smelled of oil, and wind blown litter.
Eval Division:	Water Boards
Eval Program:	CONSTW
Eval Source:	SMARTS

Affiliation:

Affiliation Type Desc:	Owner/Operator
Entity Name:	Muroc Joint Unified School District

BORON JUNIOR SENIOR HIGH SCHOOL (Continued) **S112860971**

Entity Title:	Operator
Affiliation Address:	17100 Foothill Avenue
Affiliation City:	North Edwards
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93523
Affiliation Phone:	Not reported

HWTS:

Name:	BORON JUNIOR SENIOR HIGH SCHOOL
Address:	26831 PROSPECT STREET
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC001024528
Inactive Date:	10/25/2000
Create Date:	08/11/1994
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	MUROC JOINT UNIF SCHOOL DIST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	EDWARDS, CA 935230000
Owner Name:	MUROC JOINT USD
Owner Address:	MUROC JOINT UNIF SCHOOL DIST
Owner Address 2:	Not reported
Owner City,State,Zip:	EDWARDS, CA 935230000
Contact Name:	FRANK LOGAN/MAINT OPER TRANS
Contact Address:	MUROC JOINT UNIF SCHOOL DIST
Contact Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 935230000

CF605 **1X BORON HIGH SCHOOL** **HAZNET** **S123777997**
North **26831 PROSPECT ST** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.893 mi.
4715 ft. **Site 2 of 5 in cluster CF**

Actual:
2451 ft.

Focus Map:
52

HAZNET:

Name:	1X BORON HIGH SCHOOL
Address:	26831 PROSPECT ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	BILL DAVIS
Telephone:	6197625920
Mailing Name:	Not reported
Mailing Address:	MUROC JOINT UNIF SCHOOL DIST
Year:	1992
Gepaid:	CAX000128462
TSD EPA ID:	CAD990794133
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	-
Tons:	9.2708
Year:	1985
Gepaid:	CAX000128462
TSD EPA ID:	CAD067786749

1X BORON HIGH SCHOOL (Continued) **S123777997**

CA Waste Code: 151 - Asbestos containing waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 0.005

Year: 1985
Gepaid: CAX000128462
TSD EPA ID: CAD067786749
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: 03 -
Tons: 0

HWTS:
Name: 1X BORON HIGH SCHOOL
Address: 26831 PROSPECT ST
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
EPA ID: CAX000128462
Inactive Date: 04/30/1986
Create Date: 11/27/1984
Last Act Date: 07/10/2001
Mailing Name: Not reported
Mailing Address: MUROC JOINT UNIF SCHOOL DIST
Mailing Address 2: Not reported
Mailing City,State,Zip: EDWARDS, CA 935230000
Owner Name: --
Owner Address: --
Owner Address 2: Not reported
Owner City,State,Zip: --, 99 --
Contact Name: BILL DAVIS
Contact Address: --
Contact Address 2: Not reported
City,State,Zip: --, 99 --

CF606 **CHMIRS** **S100275347**
North **26831 PROSPECT** **N/A**
1/2-1 **BORON, CA 93516**
0.893 mi.
4715 ft. **Site 3 of 5 in cluster CF**

Actual:
2451 ft.

Focus Map:
52

CHMIRS:
Name: Not reported
Address: 26831 PROSPECT
City,State,Zip: BORON, CA 93516
OES Incident Number: 910391
OES notification: Not reported
OES Date: Not reported
OES Time: Not reported
Date Completed: **06-MAY-89**
Property Use: 200
Agency Id Number: 15010
Agency Incident Number: 12139
Time Notified: 1818
Time Completed: 1400
Surrounding Area: 200
Estimated Temperature: 85
Property Management: P

(Continued) **S100275347**

More Than Two Substances Involved?:	N
Resp Agncy Personel # Of Decontaminated:	33
Responding Agency Personel # Of Injuries:	2
Responding Agency Personel # Of Fatalities:	0
Others Number Of Decontaminated:	0
Others Number Of Injuries:	4
Others Number Of Fatalities:	0
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	DON CLARK CAPTAIN
Report Date:	09-MAY-89
Facility Telephone:	619 762-6167
Waterway Involved:	Not reported
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Not reported
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	88-92
Agency:	Not reported
Incident Date:	05-MAY-89
Admin Agency:	Not reported
Amount:	Not reported
Contained:	Not reported
Site Type:	Not reported
E Date:	10-MAY-90
Substance:	Not reported
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	Not reported

CF607 **BORON JR SR HIGH SCHOOL** **HAZNET** **S112855823**
North **26831 PROSPECT ST** **HWTS** **N/A**
1/2-1 **BORON, CA 93516**
0.893 mi.
4715 ft. **Site 4 of 5 in cluster CF**

Actual:
2451 ft.

Focus Map:
52

HAZNET:

Name:	BORON JR SR HIGH SCHOOL
Address:	26831 PROSPECT ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	FRANK LOGAN
Telephone:	6197626785
Mailing Name:	Not reported
Mailing Address:	26653 PROSPECT ST
Year:	1994
Gepaid:	CAC000953144
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	-
Tons:	0
Year:	1994
Gepaid:	CAC000953144
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	D80 - Disposal, Land Fill
Tons:	2.5284

Additional Info:

Year:	1994
Gen EPA ID:	CAC000953144
Shipment Date:	19940615
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940623
Manifest ID:	92435901
Trans EPA ID:	CAL000024129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.5284
Waste Quantity:	3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

BORON JR SR HIGH SCHOOL (Continued) **S112855823**

Shipment Date:	19940531
Creation Date:	3/26/1996 0:00:00
Receipt Date:	Not reported
Manifest ID:	92435892
Trans EPA ID:	CAL000024129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	BORON JR SR HIGH SCHOOL
Address:	26831 PROSPECT ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
EPA ID:	CAC000953144
Inactive Date:	10/25/2000
Create Date:	05/23/1994
Last Act Date:	10/25/2000
Mailing Name:	Not reported
Mailing Address:	26653 PROSPECT ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	MUROC JOINT UNIFIED SCH DIST
Owner Address:	--
Owner Address 2:	Not reported
Owner City,State,Zip:	--, 99 --
Contact Name:	FRANK LOGAN
Contact Address:	--
Contact Address 2:	Not reported
City,State,Zip:	--, 99 --

CF608 **BORON HIGH SCHOOL** **CUPA Listings** **S112860811**
North **26831 PROSPECT ST** **HAZNET** **N/A**
1/2-1 **BORON, CA 93516** **HWTS**
0.893 mi.
4715 ft. **Site 5 of 5 in cluster CF**

Actual:
2451 ft.

Focus Map:
52

KERN CO CUPA:

Facility ID:	FA0001237
CERS ID:	Not reported
Name:	BORON HIGH SCHOOL
Address:	26831 PROSPECT ST

BORON HIGH SCHOOL (Continued) **S112860811**

Address 2:	Not reported
City,State,Zip:	BORON, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	7/1/2009
Employee:	CUPA 3
Mailing Address:	26653 PROSPECT ST
Mailing Address 2:	Not reported
Mailing City:	BORON
Mailing State:	CA
Mailing Zip:	93516

HAZNET:

Name:	BORON HIGH SCHOOL
Address:	26831 PROSPECT ST
Address 2:	Not reported
City,State,Zip:	BORON, CA 935160000
Contact:	FRANK LOGAN /DIR MOT
Telephone:	6197626785
Mailing Name:	Not reported
Mailing Address:	MUROC JOINT UNIF SCHOOL DIST
Year:	1994
Gepaid:	CAC001022840
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	-
Tons:	0

Additional Info:

Year:	1994
Gen EPA ID:	CAC001022840
Shipment Date:	19940818
Creation Date:	10/11/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92435924
Trans EPA ID:	CAL000024129
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0
Waste Quantity:	0
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported

BORON HIGH SCHOOL (Continued) **S112860811**

Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: BORON HIGH SCHOOL
Address: 26831 PROSPECT ST
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
EPA ID: CAC001022840
Inactive Date: 10/25/2000
Create Date: 06/02/1994
Last Act Date: 10/25/2000
Mailing Name: Not reported
Mailing Address: MUROC JOINT UNIF SCHOOL DIST
Mailing Address 2: Not reported
Mailing City,State,Zip: NORTH EDWARDS, CA 935230000
Owner Name: MUROC USD
Owner Address: MUROC JOINT UNIF SCHOOL DIST
Owner Address 2: Not reported
Owner City,State,Zip: NORTH EDWARDS, CA 935230000
Contact Name: FRANK LOGAN /DIR MOT
Contact Address: 26653 PROSPECT ST
Contact Address 2: Not reported
City,State,Zip: BORON, CA 935160000

CG609 **ED SAUSER** **SWEEPS UST** **S101620892**
North **27022 PROSPECT ST** **CA FID UST** **N/A**
1/2-1 **BORON, CA 93516**
0.902 mi.
4763 ft. **Site 1 of 2 in cluster CG**

Actual:
2452 ft.

Focus Map:
52

SWEEPS UST:
Name: ED SAUSER
Address: 27022 PROSPECT ST
City: BORON
Status: Active
Comp Number: 43169
Number: 9
Board Of Equalization: 44-006262
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 09-30-89
Owner Tank Id: 1
SWRCB Tank Id: 15-000-043169-000001
Tank Status: A
Capacity: 500
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 1

CA FID UST:
Facility ID: 15005007
Regulated By: UTNKA
Regulated ID: 00043169

ED SAUSER (Continued) **S101620892**

Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	6197625808
Mail To:	Not reported
Mailing Address:	27022 PROSPECT ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BORON 93516
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CG610 **ED SAUSER** **HIST UST** **U001586500**
North **27022 PROSPECT ST** **N/A**
1/2-1 **BORON, CA 93516**
0.902 mi.
4763 ft. **Site 2 of 2 in cluster CG**

Actual:
2452 ft.

Focus Map:
52

HIST UST:

Name:	ED SAUSER
Address:	27022 PROSPECT ST
City,State,Zip:	BORON, CA 93516
File Number:	00024820
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00024820.pdf
Region:	STATE
Facility ID:	00000043169
Facility Type:	Other
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	6197625808
Owner Name:	ED SAUSER
Owner Address:	27022 PROSPECT ST.
Owner City,St,Zip:	BORON, CA 93516
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1981
Tank Capacity:	00000500
Tank Used for:	Not reported
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Pressure Test

Click here for Geo Tracker PDF:

611 SW 1/2-1 0.908 mi. 4793 ft. **JIMSON** **8436 JIMSON AVE** **CALIFORNIA CITY, CA 93505** **HAZNET HWTS** **S120994092 N/A**

Actual: 2383 ft.
Focus Map: 19

HAZNET:

Name:	JIMSON
Address:	8436 JIMSON AVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935051964
Contact:	JEFFEREY ARMSTRONG
Telephone:	7603737046
Mailing Name:	Not reported
Mailing Address:	8436 JIMSON AVE
Year:	2016
Gepaid:	CAC002852833
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	9.2

HWTS:

Name:	JIMSON
Address:	8436 JIMSON AVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935051964
EPA ID:	CAC002852833
Inactive Date:	06/14/2016
Create Date:	03/14/2016
Last Act Date:	06/14/2016
Mailing Name:	Not reported
Mailing Address:	8436 JIMSON AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 935051964
Owner Name:	JIMSON
Owner Address:	8436 JIMSON AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 935051964
Contact Name:	JEFFEREY ARMSTRONG
Contact Address:	21130 HACIENDA BLVD
Contact Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505

CH612 ENE 1/2-1 0.938 mi. 4955 ft. **USARC OUTDOOR TRNG SITE** **10 MILES NE OF BORON, CA** **Site 1 of 2 in cluster CH** **FUDS** **1024903687 N/A**

Actual: 2594 ft.
Focus Map: 45

FUDS:

EPA Region:	9
Installation ID:	CA99799F565000
Congressional District Number:	8
Name:	USARC OUTDOOR TRNG SITE
FUDS Number:	J09CA0664

USARC OUTDOOR TRNG SITE (Continued) **1024903687**

City:	10 MILES NE OF BORON
State:	CA
County:	SAN BERNARDINO
Object ID:	1522
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=61207
Eligibility:	Eligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	It was used to administer and train reserves for nonfiring weekend training
Project Required:	No
Feature Description:	Not reported
Latitude:	35.055555560000002
Longitude:	-117.543055559999

CH613 **USARC OUTDOOR TRAINING** **ENVIROSTOR** **S107737514**
ENE **N/A**
1/2-1 **BORON, CA**
0.941 mi.
4971 ft. **Site 2 of 2 in cluster CH**

Actual:
2594 ft.

Focus Map:
45

ENVIROSTOR:

Name:	USARC OUTDOOR TRAINING
Address:	Not reported
City,State,Zip:	BORON, CA
Facility ID:	80000497
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	33
Senate:	16
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	35.05555
Longitude:	-117.5430
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F565000
Alias Type:	Federal Facility ID

USARC OUTDOOR TRAINING (Continued) **S107737514**

Alias Name: J09CA0664
Alias Type: INPR
Alias Name: 80000497
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CI614 **JOSE BRIOSO CONSTRUCTION** **HWTS** **S126379550**
West **20917 CALIFORNIA CITY BLVD** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.960 mi.
5067 ft. **Site 1 of 7 in cluster CI**

Actual:
2355 ft.

Focus Map:
20

HWTS:
Name: JOSE BRIOSO CONSTRUCTION
Address: 20917 CALIFORNIA CITY BLVD
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA 935052905
EPA ID: CAC003066752
Inactive Date: 08/12/2020
Create Date: 05/13/2020
Last Act Date: 08/13/2020
Mailing Name: Not reported
Mailing Address: 3753 E AVENUE I SP 119
Mailing Address 2: Not reported
Mailing City,State,Zip: LANCASTER, CA 935352404
Owner Name: ARMANDO PLIEGO
Owner Address: 20917 CALIFORNIA CITY BLVD
Owner Address 2: Not reported
Owner City,State,Zip: CALIFORNIA CITY, CA 935052905
Contact Name: JOSE BRIOSO
Contact Address: 3753 E AVENUE I SP 119
Contact Address 2: Not reported
City,State,Zip: LANCASTER, CA 935352404

CI615 **ARMANDO PLIEGO** **RCRA NonGen / NLR** **1024754300**
West **20917 CALIFORNIA CITY** **CAC002974117**
1/2-1 **CALIF CITY, CA 93505**
0.960 mi.
5067 ft. **Site 2 of 7 in cluster CI**

Actual:
2355 ft.

Focus Map:
20

RCRA NonGen / NLR:

Date Form Received by Agency:		20180803
Handler Name:	ARMANDO PLIEGO	
Handler Address:		20917 CALIFORNIA CITY
Handler City,State,Zip:		CALIF CITY, CA 93505
EPA ID:		CAC002974117
Contact Name:		MONIQUE B. WINKLER
Contact Address:		20917 CALIFORNIA CITY
Contact City,State,Zip:		CALIF CITY, CA 93505
Contact Telephone:		661-486-0490
Contact Fax:		Not reported
Contact Email:		PLIEGO122001@HOTMAIL.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		20917 CALIFORNIA CITY
Mailing City,State,Zip:		CALIF CITY, CA 93505
Owner Name:		ARMANDO PLIEGO
Owner Type:		Other
Operator Name:		MONIQUE B. WINKLER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

ARMANDO PLIEGO (Continued) **1024754300**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	MONIQUE B. WINKLER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20917 CALIFORNIA CITY
Owner/Operator City,State,Zip:	CALIF CITY, CA 93505
Owner/Operator Telephone:	661-486-0490
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ARMANDO PLIEGO
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	20917 CALIFORNIA CITY
Owner/Operator City,State,Zip:	CALIF CITY, CA 93505
Owner/Operator Telephone:	661-839-6523
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

ARMANDO PLIEGO (Continued) **1024754300**

Historic Generators:
- Receive Date: 20180803
- Handler Name: ARMANDO PLIEGO
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

CI616 **ARMANDO PLIEGO** **HAZNET** **S124692722**
West **20917 CALIFORNIA CITY** **HWTS** **N/A**
1/2-1 **CALIF CITY, CA 93505**
0.960 mi.
5067 ft. **Site 3 of 7 in cluster CI**

Actual:
2355 ft.

Focus Map:
20

HAZNET:
- Name: ARMANDO PLIEGO
- Address: 20917 CALIFORNIA CITY
- Address 2: Not reported
- City,State,Zip: CALIF CITY, CA 93505
- Contact: MONIQUE
- Telephone: 6614860490
- Mailing Name: Not reported
- Mailing Address: 20917 CALIFORNIA CITY

- Year: 2018
- Gepaid: CAC002974117
- TSD EPA ID: CAD009007626
- CA Waste Code: 151 - Asbestos containing waste
- Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
- Tons: 0.23000

HWTS:
- Name: ARMANDO PLIEGO
- Address: 20917 CALIFORNIA CITY
- Address 2: Not reported
- City,State,Zip: CALIF CITY, CA 93505

ARMANDO PLIEGO (Continued) **S124692722**

EPA ID:	CAC002974117
Inactive Date:	11/02/2018
Create Date:	08/03/2018
Last Act Date:	11/03/2018
Mailing Name:	Not reported
Mailing Address:	20917 CALIFORNIA CITY
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIF CITY, CA 93505
Owner Name:	ARMANDO PLIEGO
Owner Address:	20917 CALIFORNIA CITY
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIF CITY, CA 93505
Contact Name:	MONIQUE
Contact Address:	20917 CALIFORNIA CITY
Contact Address 2:	Not reported
City,State,Zip:	CALIF CITY, CA 93505

CI617 **JOSE BRIOSO CONSTRUCTION** **ECHO** **1026217195**
West **20917 CALIFORNIA CITY BLVD** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.960 mi.
5067 ft. **Site 4 of 7 in cluster CI**

Actual:
2355 ft.

Focus Map:
20

ECHO:

Envid:	1026217195
Registry ID:	110070810190
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070810190
Name:	JOSE BRIOSO CONSTRUCTION
Address:	20917 CALIFORNIA CITY BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505

CI618 **JOSE BRIOSO CONSTRUCTION** **FINDS** **1026451688**
West **20917 CALIFORNIA CITY BLVD** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.960 mi.
5067 ft. **Site 5 of 7 in cluster CI**

Actual:
2355 ft.

Focus Map:
20

FINDS:
Registry ID: 110070810190

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CI619 **ARMANDO PLIEGO** **FINDS** **1024613631**
West **20917 CALIFORNIA CITY** **ECHO** **N/A**
1/2-1 **CALIF CITY, CA 93505**
0.960 mi.
5067 ft. **Site 6 of 7 in cluster CI**

Actual:
2355 ft.

FINDS:
Registry ID: 110070402018

Focus Map:
20

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024613631
Registry ID:	110070402018
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070402018
Name:	ARMANDO PLIEGO
Address:	20917 CALIFORNIA CITY
City,State,Zip:	CALIF CITY, CA 93505

CI620 **JOSE BRIOSO CONSTRUCTION** **RCRA NonGen / NLR** **1026166717**
West **20917 CALIFORNIA CITY BLVD** **CAC003066752**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.960 mi.
5067 ft. **Site 7 of 7 in cluster CI**

Actual:
2355 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:	20200513
Handler Name:	JOSE BRIOSO CONSTRUCTION
Handler Address:	20917 CALIFORNIA CITY BLVD
Handler City,State,Zip:	CALIFORNIA CITY, CA 93505-2905
EPA ID:	CAC003066752
Contact Name:	JOSE BRIOSO
Contact Address:	3753 E AVENUE I SP 119
Contact City,State,Zip:	LANCASTER, CA 93535-2404
Contact Telephone:	661-492-2626
Contact Fax:	Not reported
Contact Email:	LIZE@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	3753 E AVENUE I SP 119
Mailing City,State,Zip:	LANCASTER, CA 93535-2404
Owner Name:	ARMANDO PLIEGO

Focus Map:
20

JOSE BRIOSO CONSTRUCTION (Continued) **1026166717**

Owner Type:	Other
Operator Name:	JOSE BRIOSO
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200515
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No

JOSE BRIOSO CONSTRUCTION (Continued) **1026166717**

Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: JOSE BRIOSO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3753 E AVENUE I SP 119
Owner/Operator City,State,Zip: LANCASTER, CA 93535-2404
Owner/Operator Telephone: 661-492-2626
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: ARMANDO PLIEGO
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 20917 CALIFORNIA CITY BLVD
Owner/Operator City,State,Zip: CALIFORNIA CITY, CA 93505-2905
Owner/Operator Telephone: 661-492-2626
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20200513
Handler Name: JOSE BRIOSO CONSTRUCTION
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

621
ESE
1/2-1
0.962 mi.
5079 ft.

EDWARDS AIR FORCE BASE - 5 - AOC 401
EDWARDS AFB, CA 93524

MCS **S110167969**
N/A

Actual:
2291 ft.

Focus Map:
49

MCS:

Name:	EDWARDS AIR FORCE BASE - 5 - AOC 401
Address:	Not reported
City,State,Zip:	EDWARDS AFB, CA 93524-1130
Global Id:	DOD100105800
Latitude:	34.99417
Longitude:	-117.8655
Case Type:	Military Cleanup Site
Status:	Open - Inactive
Status Date:	04/05/2010
Lead Agency:	LAHONTAN RWQCB (REGION 6V)
Caseworker:	AP
Local Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number:	166-60 -- 413
LOC Case Number:	100052 -- 413
File Location:	Not reported
Potential Media Affect:	Not reported
EDR Link ID:	DOD100105800
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

CJ622
West
1/2-1
0.984 mi.
5197 ft.

DENNIS AUTOMOTIVE
10521 YALE AVE
CALIFORNIA CITY, CA 93505
Site 1 of 5 in cluster CJ

FINDS **1023341159**
N/A

Actual:
2363 ft.

Focus Map:
20

FINDS:
Registry ID: 110066367023

Click Here:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

CJ623
West
1/2-1
0.984 mi.
5197 ft.

DENNIS AUTOMOTIVE & TOWING
10521 YALE AVE
CALIFORNIA CITY, CA 93505
Site 2 of 5 in cluster CJ

FINDS **1024689721**
ECHO **N/A**

Actual:
2363 ft.

Focus Map:
20

FINDS:
Registry ID: 110070478115

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

DENNIS AUTOMOTIVE & TOWING (Continued) **1024689721**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1024689721
Registry ID:	110070478115
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110070478115
Name:	DENNIS AUTOMOTIVE & TOWING
Address:	10521 YALE AVE
City,State,Zip:	CALIFORNIA CITY, CA 93505

CJ624 **DENNIS AUTOMOTIVE & TOWING** **HWTS** **S124879806**
West **10521 YALE AVE** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.984 mi.
5197 ft. **Site 3 of 5 in cluster CJ**

Actual:
2363 ft.

Focus Map:
20

HWTS:

Name:	DENNIS AUTOMOTIVE & TOWING
Address:	10521 YALE AVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 93505
EPA ID:	CAL000349768
Inactive Date:	Not reported
Create Date:	02/03/2010
Last Act Date:	10/15/2020
Mailing Name:	Not reported
Mailing Address:	10521 YALE AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 935050000
Owner Name:	REUBEN W DENNIS JR
Owner Address:	10521 YALE AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 935050000
Contact Name:	JEFF DENNIS/MATTHEW DENNIS
Contact Address:	10521 YALE AVE
Contact Address 2:	10521 YALE AVE
City,State,Zip:	CALIFORNIA CITY, CA 93505

NAICS:

EPA ID:	CAL000349768
Create Date:	2010-02-03 16:39:02.777
NAICS Code:	811111
NAICS Description:	General Automotive Repair
Issued EPA ID Date:	2010-02-03 16:39:02.77700
Inactive Date:	Not reported
Facility Name:	DENNIS AUTOMOTIVE & TOWING
Facility Address:	10521 YALE AVE
Facility Address 2:	Not reported
Facility City:	CALIFORNIA CITY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	93505

CJ625 **DENNIS AUTOMOTIVE** **CERS HAZ WASTE** **S123499177**
West **10521 YALE AVE** **CUPA Listings** **N/A**
1/2-1 **CALIFORNIA CITY, CA 93505** **CERS**
0.984 mi.
5197 ft. **Site 4 of 5 in cluster CJ**

Actual:
2363 ft.

Focus Map:
20

CERS HAZ WASTE:

Name:	DENNIS AUTOMOTIVE
Address:	10521 YALE AVE
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	110981
CERS ID:	10237786
CERS Description:	Hazardous Waste Generator

KERN CO CUPA:

Facility ID:	FA0034572
CERS ID:	10237786
Name:	DENNIS AUTOMOTIVE
Address:	10521 YALE AVE
Address 2:	10521 YALE AVE
City,State,Zip:	CALIFORNIA CITY, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	3/31/2013
Current Inspection Date:	5/1/2022
Employee:	CUPA 3
Mailing Address:	10521 YALE AVE
Mailing Address 2:	Not reported
Mailing City:	CALIFORNIA CITY
Mailing State:	CA
Mailing Zip:	93505

CERS:

Name:	DENNIS AUTOMOTIVE
Address:	10521 YALE AVE
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	110981
CERS ID:	10237786
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	05-18-2016
Citation:	HSC 6.5 25186.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25186.2
Violation Description:	Failure to properly handle, store, or treat hazardous waste or provided false information submitted on the permit application and other documents.
Violation Notes:	Returned to compliance on 07/20/2016. During the course of the inspection, it was observed that a secondary containment was filled with a accumulation of oil. Please have the oil/water/debris removed from the secondary containment and send manifests/pictures to truelovej@co.kern.ca.us. This violation shall be corrected within 30 day.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS

DENNIS AUTOMOTIVE (Continued) **S123499177**

Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	09-03-2013
Citation:	19 CCR 4 2729.2(a)(3) - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.2(a)(3)
Violation Description:	Failure to complete and/or submit an annotated site map if required by CUPA.
Violation Notes:	Returned to compliance on 09/25/2013. UPLOAD SITE MAP ON CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	09-03-2013
Citation:	HSC 6.95 25505(a) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)
Violation Description:	Owner/Operator failed to complete and/or submit a Hazardous Materials Business Plan when storing hazardous materials at or above the thresholds quantities of 55 gallons/500 lbs/200 cubic feet.
Violation Notes:	Returned to compliance on 09/25/2013. SUBMIT COMPLETE HMBP.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	05-07-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes:	Returned to compliance on 06/05/2019. add 350 pound drum drained un-crushed used oil filters to the hazardous materials inventory and then resubmit with all other elements
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	05-07-2019
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit a site map with all required content.
Violation Notes:	Returned to compliance on 06/05/2019. Site map in CERS missing evacuation routes, emergency staging area, and the location of all emergency equipment. Please revise the site map and then resubmit in CERS with all other elments
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS

Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE

DENNIS AUTOMOTIVE (Continued) **S123499177**

Violation Date:	09-03-2013
Citation:	19 CCR 4 2729.5 - California Code of Regulations, Title 19, Chapter 4, Section(s) 2729.5
Violation Description:	Failure to submit inventory reports (Activities, Owner/Operator, Hazardous Materials Descriptions and Map pages, if required. Documentation must be resubmitted (for facilities which exceed EPCRA thresholds) or re-certified (for facilities which do not exceed EPCRA thresholds) by March 1.
Violation Notes:	Returned to compliance on 09/25/2013. SUBMIT YOUR HAZARDOUS MATERIALS INVENTORY ON CERS.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	05-18-2016
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 07/20/2016. During the course of the inspection, it was observed that the drums containing hazardous waste did not have any labels. Please properly label all hazardous waste containers and send pictures to truelovej@co.kern.ca.us. This violation shall be corrected within 30 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	05-18-2016
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 07/20/2016. During the course of the inspection, it was observed that the drums containing used oil filters did not have any labels. Please properly label all hazardous waste containers and send pictures to truelovej@co.kern.ca.us. This violation shall be corrected within 30 days.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	09-03-2013
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 09/25/2013. PROVIDE EPA ID.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW

DENNIS AUTOMOTIVE (Continued) **S123499177**

Violation Source:	CERS
Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	05-07-2019
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 06/05/2019. Observed the last pick up for used oil and used antifreeze to be 6-21-18. Please have all used oil and used antifreeze picked up immediately and then ensure that all used oil and used antifreeze is properly disposed of my a licensed waste hauler every 180 days. Send a copy of the most recent hazardous waste manifest to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	05-07-2019
Citation:	HSC 6.5 25250.22 - California Health and Safety Code, Chapter 6.5, Section(s) 25250.22
Violation Description:	Failure to properly manage used oil and/or fuel filters in accordance with the requirements.
Violation Notes:	Returned to compliance on 06/07/2019. Unable to determine when the last time drained used oil filters were picked up by a licensed waste hauler. Please have the drained used oil filters picked up by a licensed waste hauler and then ensure that the drianed used oil filters are properly disposed of at least once every 12 months. Send a copy of the most recent hazardous waste manifest for the drained used oil filters to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Violation Date:	05-18-2016
Citation:	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173
Violation Description:	Failure to properly close hazardous waste containers when not in active use.
Violation Notes:	Returned to compliance on 07/20/2016. During the course of the inspection, it was observed that both drums containing used oil filters were open and did not have any top containment. Please keep drums closed/sealed when not in active use. Also, numerous filters were observed to be on the ground. Pictures of closed/sealed containers can be sent to trueovej@co.kern.ca.us. This violation shall

DENNIS AUTOMOTIVE (Continued) **S123499177**

be closed within 30 days.
Violation Division: Kern County Env Health Services Department
Violation Program: HW
Violation Source: CERS

Site ID: 110981
Site Name: DENNIS AUTOMOTIVE
Violation Date: 05-18-2016
Citation: HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)
Violation Description: Failure to electronically update business plan within 30 days of any one of the following events: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials at or above reportable quantities. A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 07/27/2016. The facilities hazardous material/waste inventory was not accurate. This violations will be corrected within 30 days. Please update/include the following items on the California Environmental Reporting System (CERS). 1.) Argon - 200 cubic feet 2.) Oxygen - 200 cubic feet 3.) Used Oil Filters - 700 pounds
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-18-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-07-2019
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-03-2013
Violations Found: Yes

DENNIS AUTOMOTIVE (Continued) **S123499177**

Eval Type:	Routine done by local agency
Eval Notes:	ALL VIOLATIONS SHALL BE ABATED WITH IN 30 DAYS. ONCE THE VIOLATIONS ARE ABATED, PLEASE SIGN, DATE AND SUBMIT THE COMPLIANCE CERTIFICATE AT THE END OF THE INSPECTION REPORT.THIS SIGNED CERTIFICATE ALONG WITH EVIDENCE OF COMPLIANCE (PHOTOGRAPHS, RECEIPTS,ETC) AND ANY OTHER REQUESTED DOCUMENT MAY BE SUBMITTED BY FAX @661-862-8701(ATTN:WAQAR) OR BY E-MAIL@ RUSTAMW@CO.KERN.CA.US. IF REINSPECTION BECOMES NECESSARY DUE TO NON COMPLIANCE WITH IN 30 DAYS,A REINSPECTION CHARGE OF $100 PER HOUR MAY BE CHARGED TO THE FACILITY.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-18-2016
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	09-03-2013
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	ALL VIOLATIONS SHALL BE ABATED WITH IN 30 DAYS. ONCE THE VIOLATIONS ARE ABATED, PLEASE SIGN, DATE AND SUBMIT THE COMPLIANCE CERTIFICATE AT THE END OF THE INSPECTION REPORT.THIS SIGNED CERTIFICATE ALONG WITH EVIDENCE OF COMPLIANCE (PHOTOGRAPHS, RECEIPTS,ETC) AND ANY OTHER REQUESTED DOCUMENT MAY BE SUBMITTED BY FAX @661-862-8701(ATTN:WAQAR) OR BY E-MAIL@ RUSTAMW@CO.KERN.CA.US. IF REINSPECTION BECOMES NECESSARY DUE TO NON COMPLIANCE WITH IN 30 DAYS,A REINSPECTION CHARGE OF $100 PER HOUR MAY BE CHARGED TO THE FACILITY.
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Enforcement Action:

Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Site Address:	10521 YALE AVE
Site City:	CALIFORNIA CITY
Site Zip:	93505
Enf Action Date:	09-03-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HMRRP
Enf Action Source:	CERS
Site ID:	110981
Site Name:	DENNIS AUTOMOTIVE
Site Address:	10521 YALE AVE
Site City:	CALIFORNIA CITY
Site Zip:	93505

DENNIS AUTOMOTIVE (Continued) **S123499177**

Enf Action Date:	09-03-2013
Enf Action Type:	Notice of Violation (Unified Program)
Enf Action Description:	Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:	Not reported
Enf Action Division:	Kern County Env Health Services Department
Enf Action Program:	HW
Enf Action Source:	CERS

Coordinates:

Site ID:	110981
Facility Name:	DENNIS AUTOMOTIVE
Env Int Type Code:	HWG
Program ID:	10237786
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.120170
Longitude:	-117.940800

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Operator
Entity Name:	Dennis Automoitive
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 373-4357

Affiliation Type Desc:	Identification Signer
Entity Name:	REUBEN W DENNIS
Entity Title:	OWNER
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	R W DENNIS
Entity Title:	Not reported
Affiliation Address:	10521 YALE AVE
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	United States

DENNIS AUTOMOTIVE (Continued) **S123499177**

Affiliation Zip:	93505
Affiliation Phone:	(760) 373-4357
Affiliation Type Desc:	Environmental Contact
Entity Name:	Jeff Dennis
Entity Title:	Not reported
Affiliation Address:	10521 YALE AVENUE
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	DENNIS AUTOMOTIVE
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	REUBEN W DENNIS
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	10521 YALE AVE
Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported

CJ626 **DENNIS AUTOMOTIVE & TOWING** **RCRA NonGen / NLR** **1024824978**
West **10521 YALE AVE** **CAL000349768**
1/2-1 **CALIFORNIA CITY, CA 93505**
0.984 mi.
5197 ft. **Site 5 of 5 in cluster CJ**

Actual:
2363 ft.

Focus Map:
20

RCRA NonGen / NLR:

Date Form Received by Agency:	20100203
Handler Name:	DENNIS AUTOMOTIVE & TOWING
Handler Address:	10521 YALE AVE
Handler City,State,Zip:	CALIFORNIA CITY, CA 93505
EPA ID:	CAL000349768
Contact Name:	REUBEN W DENNIS JR
Contact Address:	10521 YALE AVE

DENNIS AUTOMOTIVE & TOWING (Continued) **1024824978**

Contact City,State,Zip:	CALIFORNIA CITY, CA 93505
Contact Telephone:	760-373-4357
Contact Fax:	000-000-0000
Contact Email:	DENTOW1@VERIZON.NET
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	10521 YALE AVE
Mailing City,State,Zip:	CALIFORNIA CITY, CA 93505-0000
Owner Name:	REUBEN W DENNIS JR
Owner Type:	Other
Operator Name:	REUBEN W DENNIS JR
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

DENNIS AUTOMOTIVE & TOWING (Continued) **1024824978**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	REUBEN W DENNIS JR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10521 YALE AVE
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	760-373-4357
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	REUBEN W DENNIS JR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	10521 YALE AVE
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505-0000
Owner/Operator Telephone:	760-373-4357
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20100203
Handler Name: DENNIS AUTOMOTIVE & TOWING	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes

DENNIS AUTOMOTIVE & TOWING (Continued) **1024824978**

Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 811111
NAICS Description: GENERAL AUTOMOTIVE REPAIR

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

627
South
1/2-1
0.989 mi.
5223 ft.

NORTH LOOP EST
NORTH LOOP AND CONKLIN BLVD
CALIFORNIA CITY, CA 93505

NPDES **S117706321**
CIWQS **N/A**

Actual:
2345 ft.

Focus Map:
20

NPDES:

Name:	NORTH LOOP EST
Address:	NORTH LOOP AND CONKLIN BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6B15C331680
Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Terminated
Status Date:	08/17/2006
Operator Name:	California City Redevelopment
Operator Address:	21000 Hacienda Blvd
Operator City:	California City
Operator State:	California
Operator Zip:	93505

NPDES as of 03/2018:

NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	6B
Regulatory Measure ID:	279020

NORTH LOOP EST (Continued) **S117706321**

Order Number:	Not reported
Regulatory Measure Type:	Construction
Place ID:	Not reported
WDID:	6B15C331680
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	12/22/2004
Status:	Terminated
Status Date:	08/17/2006
Place Size:	63
Place Size Unit:	Acres
Contact:	William Kieger
Contact Title:	Not reported
Contact Phone:	651-238-8636
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	California City Redevelopment
Operator Address:	21000 Hacienda Blvd
Operator City:	California City
Operator State:	California
Operator Zip:	93505
Operator Contact:	Jack Stewart
Operator Contact Title:	Not reported
Operator Contact Phone:	760-373-8661
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	City/Town Agency
Developer:	Aurora Capital Group
Developer Address:	855 Village Center Dr Ste 315
Developer City:	Saint Paul
Developer State:	Minnesota
Developer Zip:	55127
Developer Contact:	William Kieger
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	651-238-8636
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported

NORTH LOOP EST (Continued) **S117706321**

Constype Residential Ind:	Y
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	None
Certifier:	William Kieger
Certifier Title:	President
Certification Date:	16-DEC-04
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	NORTH LOOP EST
Address:	NORTH LOOP AND CONKLIN BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Agency:	California City Redevelopment
Agency Address:	21000 Hacienda Blvd, California City, CA 93505
Place/Project Type:	Construction - Residential
SIC/NAICS:	Not reported
Region:	6V
Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B15C331680
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	12/22/2004
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	Not reported
Longitude:	Not reported

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628 **VANURAY PROSPECT** **MINES MRDS** **1025622514**
NNE **N/A**
1/2-1 **BORON, CA 93516**
0.995 mi.
5254 ft.

Actual:
2403 ft.

Focus Map:
43

MINES MRDS:

Name:	VANURAY PROSPECT
Address:	Not reported
Deposit identification Number:	10139248
City,State,Zip:	BORON, CALIFORNIA 93516
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10139248
MRDS Identification Number:	Not reported
MAS/MILS Identification Number:	0060290866

VANURAY PROSPECT (Continued) **1025622514**

Region:	NA
Country:	United States
Primary Commodities:	Uranium
Secondary Commodities:	Not reported
Tertiary Commodities:	Not reported
Operation Type:	Surface
Deposit Type:	Not reported
Production Size:	Not reported
Development Status:	Past Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Not reported
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Amargo
Ore Controls:	Not reported
Reporter:	Raney, Russell G.
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported
Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	35.0275
Longitude:	-117.69729

---

629 **BERNARD SEARCY** **RCRA NonGen / NLR** **1026163920**
North **27233 CARMICHAEL ST** **CAC003063927**
> 1 **BORON, CA 93516**
1.016 mi.
5362 ft.

Actual:
2454 ft.

Focus Map:
52

RCRA NonGen / NLR:

Date Form Received by Agency:		20200421
Handler Name:	BERNARD SEARCY	
Handler Address:		27233 CARMICHAEL ST
Handler City,State,Zip:		BORON, CA 93516-1705
EPA ID:		CAC003063927
Contact Name:		BERNARD SEARCY
Contact Address:		27233 CARMICHAEL ST
Contact City,State,Zip:		BORON, CA 93516-1705
Contact Telephone:		760-559-5224
Contact Fax:		Not reported
Contact Email:		BEVERLYPENDOLINO@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09

BERNARD SEARCY (Continued) **1026163920**

Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	27233 CARMICHAEL ST
Mailing City,State,Zip:	BORON, CA 93516-1705
Owner Name:	BERNARD SEARCY
Owner Type:	Other
Operator Name:	BERNARD SEARCY
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No

BERNARD SEARCY (Continued) **1026163920**

Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200424
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	BERNARD SEARCY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	27233 CARMICHAEL ST
Owner/Operator City,State,Zip:	BORON, CA 93516-1705
Owner/Operator Telephone:	760-559-5224
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	BERNARD SEARCY
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	27233 CARMICHAEL ST
Owner/Operator City,State,Zip:	BORON, CA 93516-1705
Owner/Operator Telephone:	760-559-5224
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200421
Handler Name: BERNARD SEARCY	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

BERNARD SEARCY (Continued) **1026163920**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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630 North > 1 1.077 mi. 5685 ft. **RUDY VALDEZ** **RCRA NonGen / NLR** **1024755140**
12567 EASY ST **CAC002974960**
BORON, CA 93516

Actual: 2470 ft.

Focus Map: 53

RCRA NonGen / NLR:

Date Form Received by Agency:		20180809
Handler Name:	RUDY VALDEZ	
Handler Address:		12567 EASY ST
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAC002974960
Contact Name:		RUDY VALDEZ
Contact Address:		12567 EASY ST
Contact City,State,Zip:		BORON, CA 93516
Contact Telephone:		760-762-6867
Contact Fax:		Not reported
Contact Email:		LIZE@PWSEI.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		12567 EASY ST
Mailing City,State,Zip:		BORON, CA 93516
Owner Name:		RUDY VALDEZ
Owner Type:		Other
Operator Name:		RUDY VALDEZ
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported

RUDY VALDEZ (Continued) **1024755140**

Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180831
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RUDY VALDEZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12567 EASY ST
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-6867
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RUDY VALDEZ
Legal Status:	Other

RUDY VALDEZ (Continued) **1024755140**

Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12567 EASY ST
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	760-762-6867
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20180809
Handler Name: RUDY VALDEZ	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	56299
NAICS Description:	ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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631 North > 1 1.078 mi. 5692 ft. **KRAMER SERVICES CORPORATION** **EDR Hist Auto** **1021282503**
12580 SUGAR ST **N/A**
BORON, CA 93516

Actual: 2457 ft. EDR Hist Auto

Focus Map: 52

Year:	Name:	Type:
1991	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1992	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1993	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1994	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1995	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1996	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1997	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1998	KRAMER SERVICES CORPORATION	Gasoline Service Stations
1999	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2000	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2001	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2002	KRAMER SERVICES CORPORATION	Gasoline Service Stations
2003	KRAMER SERVICES CORPORATION	Gasoline Service Stations

CK632 **SILVER SADDLE RANCH & CLUB** **Cortese** **S123623473**
North **20751 ARISTOTLE DR** **HAZNET** **N/A**
> 1 **CALIFORNIA CITY, CA 93505** **HWTS**
1.083 mi.
5717 ft. **Site 1 of 5 in cluster CK**

Actual:
2975 ft.

Focus Map:
5

CORTESE:

Name:	SILVER SADDLE RANCH & CLUB
Address:	20751 ARISTOTLE DR
City,State,Zip:	CALIFORNIA CITY, CA 93505
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0602900974
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HAZNET:

Name:	SILVER SADDLE RANCH & CLUB
Address:	20751 ARISTOTLE DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
Contact:	BEN SNOWDEN
Telephone:	7603738717
Mailing Name:	Not reported
Mailing Address:	PO BOX 2518
Year:	2008
Gepaid:	CAL000273891
TSD EPA ID:	CAT080013352
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.357
Year:	2007
Gepaid:	CAL000273891
TSD EPA ID:	NVT330010000
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.5
Year:	2007

SILVER SADDLE RANCH & CLUB (Continued) **S123623473**

Gepaid: CAL000273891
TSD EPA ID: NVT330010000
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: -
Tons: Not reported

Year: 2007
Gepaid: CAL000273891
TSD EPA ID: NVT330010000
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 10.8

Year: 2004
Gepaid: CAL000273891
TSD EPA ID: CAT080013352
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: R01 - Recycler
Tons: 6.6

Year: 2004
Gepaid: CAL000273891
TSD EPA ID: CAT080013352
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: R01 - Recycler
Tons: 8.16

Year: 2003
Gepaid: CAL000273891
TSD EPA ID: CAT080013352
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: R01 - Recycler
Tons: 7.3425

Year: 2003
Gepaid: CAL000273891
TSD EPA ID: CAD982444481
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: H01 - Transfer Station
Tons: 0.9174

Year: 2003
Gepaid: CAL000273891
TSD EPA ID: CAD982444481
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.15

Year: 2003
Gepaid: CAL000273891
TSD EPA ID: CAD982444481
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H01 - Transfer Station
Tons: 0.25

SILVER SADDLE RANCH & CLUB (Continued) **S123623473**

Click this hyperlink while viewing on your computer to access additional CA HAZNET: detail in the EDR Site Report.

Additional Info:

Year:	2008
Gen EPA ID:	CAL000273891
Shipment Date:	20080430
Creation Date:	7/16/2008 18:30:16
Receipt Date:	20080501
Manifest ID:	003272353JJK
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.357
Waste Quantity:	105
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAL000273891
Shipment Date:	20031203
Creation Date:	7/30/2004 18:31:14
Receipt Date:	20031203
Manifest ID:	22392947
Trans EPA ID:	CAL000268462
Trans Name:	COLE'S SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	7.3425
Waste Quantity:	2225
Quantity Unit:	G
Additional Code 1:	Not reported

SILVER SADDLE RANCH & CLUB (Continued) **S123623473**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030916
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030918
Manifest ID:	22266228
Trans EPA ID:	CAR000074542
Trans Name:	DESERT FILTER RECYCLING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICE
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030916
Creation Date:	7/13/2004 10:48:19
Receipt Date:	20030918
Manifest ID:	22266228
Trans EPA ID:	CAR000074542
Trans Name:	DESERT FILTER RECYCLING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING SERVICE
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030909
Creation Date:	8/2/2004 9:38:39
Receipt Date:	20030910
Manifest ID:	22266168

SILVER SADDLE RANCH & CLUB (Continued) **S123623473**

Trans EPA ID:	CAR000074542
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD982444481
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.9174
Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAL000273891
Shipment Date:	20070627
Creation Date:	2/4/2008 18:30:32
Receipt Date:	20070706
Manifest ID:	000196196CEX
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT INC
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070212
Creation Date:	10/8/2007 18:30:33
Receipt Date:	20070213
Manifest ID:	000107037GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

SILVER SADDLE RANCH & CLUB (Continued) **S123623473**

TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	D018
Meth Code:	- Not reported
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20070212
Creation Date:	10/8/2007 18:30:33
Receipt Date:	20070213
Manifest ID:	000107037GBF
Trans EPA ID:	CAR000051169
Trans Name:	CVC ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	10.8
Waste Quantity:	21600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAL000273891

Shipment Date:	20040421
Creation Date:	10/15/2004 10:47:43
Receipt Date:	20040427
Manifest ID:	23618437
Trans EPA ID:	CAL000268462
Trans Name:	COLE'S SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported

SILVER SADDLE RANCH & CLUB (Continued) **S123623473**

Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	8.16
Waste Quantity:	2400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040318
Creation Date:	10/14/2004 15:19:37
Receipt Date:	20040329
Manifest ID:	22392959
Trans EPA ID:	CAL000268462
Trans Name:	COLE'S SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	6.6
Waste Quantity:	2000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	SILVER SADDLE RANCH & CLUB
Address:	20751 ARISTOTLE DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
EPA ID:	CAL000273891
Inactive Date:	06/30/2007
Create Date:	08/15/2003
Last Act Date:	04/07/2010
Mailing Name:	Not reported
Mailing Address:	PO BOX 2518
Mailing Address 2:	Not reported
Mailing City,State,Zip:	CALIFORNIA CITY, CA 935040000
Owner Name:	SILVER SADDLE RANCH & CLUB
Owner Address:	PO BOX 2518
Owner Address 2:	Not reported
Owner City,State,Zip:	CALIFORNIA CITY, CA 935040000
Contact Name:	BEN SNOWDEN
Contact Address:	20751 ARISTOTLE DRIVE
Contact Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000

SILVER SADDLE RANCH & CLUB (Continued) **S123623473**

NAICS:

EPA ID:	CAL000273891
Create Date:	2003-08-15 13:50:17.613
NAICS Code:	72111
NAICS Description:	Hotels (except Casino Hotels) and Motels
Issued EPA ID Date:	2003-08-15 13:50:17.56700
Inactive Date:	2007-06-30 00:00:00
Facility Name:	SILVER SADDLE RANCH & CLUB
Facility Address:	20751 ARISTOTLE DR
Facility Address 2:	Not reported
Facility City:	CALIFORNIA CITY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935050000

CK633 **SILVER SADDLE RANCH & CLUB** **CUPA Listings** **S113127987**
North **20751 ARISTOTLE DR** **CERS** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.083 mi.
5717 ft. **Site 2 of 5 in cluster CK**

Actual:
2975 ft.

Focus Map:
5

KERN CO CUPA:

Facility ID:	FA0004110
CERS ID:	10235338
Name:	SILVER SADDLE RANCH AND CLUB
Address:	20751 ARISTOTLE DR
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	10/31/2013
Current Inspection Date:	12/1/2021
Employee:	CUPA 3
Mailing Address:	PO BOX 2518
Mailing Address 2:	Not reported
Mailing City:	CALIFORNIA CITY
Mailing State:	CA
Mailing Zip:	93504

CERS:

Name:	SILVER SADDLE RANCH AND CLUB
Address:	20751 ARISTOTLE DR
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	402225
CERS ID:	10235338
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	402225
Site Name:	SILVER SADDLE RANCH AND CLUB
Violation Date:	07-10-2013
Citation:	HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Description:	Business Plan Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 09/18/2013. LABEL PROPANE TANKS.

SILVER SADDLE RANCH & CLUB (Continued) **S113127987**

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402225
Site Name: SILVER SADDLE RANCH AND CLUB
Violation Date: 07-10-2013
Citation: HSC 6.95 25504(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(c)
Violation Description: Failure to include an adequate training program in the business plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.
Violation Notes: Returned to compliance on 09/18/2013. UPLOAD TRAINING PROGRAM ON CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402225
Site Name: SILVER SADDLE RANCH AND CLUB
Violation Date: 07-10-2013
Citation: HSC 6.95 25504(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25504(b)
Violation Description: Failure to include adequate emergency response procedures in the business plan for a release or threatened release.
Violation Notes: Returned to compliance on 09/18/2013. UPLOAD CONTINGENCY PLAN ON CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402225
Site Name: SILVER SADDLE RANCH AND CLUB
Violation Date: 03-24-2016
Citation: HSC 6.95 25508.2 - California Health and Safety Code, Chapter 6.95, Section(s) 25508.2
Violation Description: Failure to annually review and electronically certify that the business plan is complete, accurate, and up-to-date.
Violation Notes: Returned to compliance on 03/30/2016. Facility observed to have electronically certified that the Hazardous Materials Business Plan was complete, accurate and up to date August of 2013. The HMBP must be electronically certified once per year. Please be sure to certify all HMBP information is complete, accurate and up to date annually then resubmit in CERS
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402225
Site Name: SILVER SADDLE RANCH AND CLUB
Violation Date: 03-23-2016
Citation: HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)
Violation Description: Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.
Violation Notes: Returned to compliance on 03/30/2016. Facility did not submit their 2015 annual HMBP in CERS. Sent a reminder notice on February 18, 2016 and did not comply by provided deadline of March 18, 2016. Current

SILVER SADDLE RANCH & CLUB (Continued) **S113127987**

	deadline is April 8, 2016 or will pursue Administrative Enforcement Order and office hearing for non-compliance.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402225
Site Name:	SILVER SADDLE RANCH AND CLUB
Violation Date:	03-24-2016
Citation:	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.
Violation Notes:	Returned to compliance on 05/20/2016. Please be sure to make "Yes" to the question "Does your facility own or operate ASTs above the Thresholds? Please be sure to include a "Beginning date" and "ending date" on the BUsiness Owner Operator page in CERS. The beginning date should be the date the HMBP was certified and the ending date should be one year later.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HMRRP
Violation Source:	CERS
Site ID:	402225
Site Name:	SILVER SADDLE RANCH AND CLUB
Violation Date:	03-24-2016
Citation:	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description:	Failure to comply with all of the following requirements: 1. Failure to conduct inspections and tests in accordance with written procedures that you or a certifying engineer have developed for the facility. 2. Failure to sign written procedures and/or a record of inspections and/or customary business records by the appropriate supervisor or inspector. 3. Failure to keep written procedures and/or a record of inspections and/or customary business records with the plan. AND 4. Failure to maintain written procedures and/or a record of inspections and/or customary business records for three years.
Violation Notes:	Returned to compliance on 05/20/2016. Please inspect all above ground storage tanks on a routine basis. Be sure to log and keep records of inspections available for review.
Violation Division:	Kern County Env Health Services Department
Violation Program:	APSA
Violation Source:	CERS
Site ID:	402225
Site Name:	SILVER SADDLE RANCH AND CLUB
Violation Date:	12-10-2018
Citation:	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description:	Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.
Violation Notes:	Returned to compliance on 01/10/2019. Regional water quality control board phone number observed to be incorrect. Please revise and change the Regional Water Quality Control phone number to (760) 241-6583. Discard the old plan and then upload and resubmit the new plan in CERS.

SILVER SADDLE RANCH & CLUB (Continued) **S113127987**

Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402225
Site Name: SILVER SADDLE RANCH AND CLUB
Violation Date: 03-24-2016
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 03/30/2016. Please revise the proposed site map. Be sure to include the adjacent properties, evacuation routes, emergency staging areas and the date drawn on the site map as well as all the necessary components. A list of necessary site map components can be found at www.co.kern.ca.us/eh under the hazardous materials tab under CERS Resources
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 03-23-2016
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Once all the violations have been corrected please sign and return the last page of this report to certify that all the violations have been properly corrected.
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-24-2016
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Once all violations have been corrected pleasesign and return the last page of this report to certify that all violations have been properly corrected. Observed gravity fed above ground storage tanks in use at facility. Referred tanks to the Fire Department.
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-10-2013
Violations Found: Yes

SILVER SADDLE RANCH & CLUB (Continued) **S113127987**

Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: APSA
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 12-10-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 402225
Site Name: SILVER SADDLE RANCH AND CLUB
Site Address: 20751 ARISTOTLE DR
Site City: CALIFORNIA CITY
Site Zip: 93505
Enf Action Date: 03-23-2016
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 402225
Site Name: SILVER SADDLE RANCH AND CLUB
Site Address: 20751 ARISTOTLE DR
Site City: CALIFORNIA CITY
Site Zip: 93505
Enf Action Date: 07-10-2013
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kern County Env Health Services Department
Enf Action Program: HMRRP
Enf Action Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO BOX 2518

SILVER SADDLE RANCH & CLUB (Continued) **S113127987**

Affiliation City:	CALIFORNIA CITY
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93504
Affiliation Phone:	Not reported
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Environmental Contact
Entity Name:	Silver Saddle Ranch/ Cecilia Henriquez
Entity Title:	Not reported
Affiliation Address:	P.O Box 2518
Affiliation City:	California City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	SILVER SADDLE RANCH AND CLUB
Entity Title:	Not reported
Affiliation Address:	PO BOX 2518
Affiliation City:	California city
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93505
Affiliation Phone:	(760) 373-8617
Affiliation Type Desc:	Operator
Entity Name:	CECILIA HENRIQUEZ
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 972-2324
Affiliation Type Desc:	Parent Corporation
Entity Name:	SILVER SADDLE RANCH AND CLUB
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer

SILVER SADDLE RANCH & CLUB (Continued) **S113127987**

Entity Name:	CECILIA HENRIQUEZ
Entity Title:	Resort Office Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Tom Maney
Entity Title:	Not reported
Affiliation Address:	42016 35th St. W
Affiliation City:	Lancaster
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93536
Affiliation Phone:	(831) 521-8310
Name:	SILVER SADDLE RANCH & CLUB
Address:	20751 ARISTOTLE DR
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	230953
CERS ID:	T0602900974
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	TAMMY LUNDQUIST - LAHONTAN RWQCB (REGION 6T)
Entity Title:	Not reported
Affiliation Address:	2501 LAKE TAHOE BLVD.
Affiliation City:	SOUTH LAKE TAHOE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	5305425400

CK634 **SILVER SADDLE RANCH AND CLUB** **AST** **A100424540**
North **20751 ARISTOTLE DR** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.083 mi.
5717 ft. **Site 3 of 5 in cluster CK**

Actual:
2975 ft.

Focus Map:
5

AST:

Name:	SILVER SADDLE RANCH AND CLUB
Address:	20751 ARISTOTLE DR
City/Zip:	CALIFORNIA CITY,93505
Certified Unified Program Agencies:	Not reported
Owner:	SILVER SADDLE RANCH AND CLUB
Total Gallons:	Not reported
CERSID:	10235338
Facility ID:	10235338
Business Name:	SILVER SADDLE RANCH AND CLUB
Phone:	(760) 373-8617
Fax:	(760) 373-1897
Mailing Address:	PO BOX 2518

SILVER SADDLE RANCH AND CLUB (Continued) **A100424540**

Mailing Address City:	CALIFORNIA CITY
Mailing Address State:	CA
Mailing Address Zip Code:	93504
Operator Name:	CLIFFORD J. REYNOLDS
Operator Phone:	760-382-5935
Owner Phone:	(760) 373-8617
Owner Mail Address:	PO BOX 2518
Owner State:	CA
Owner Zip Code:	93504
Owner Country:	United States
Property Owner Name:	Tom Maney
Property Owner Phone:	831-521-8310
Property Owner Mailing Address:	42016 35th St. W
Property Owner City:	Lancaster
Property Owner Stat :	CA
Property Owner Zip Code:	93536
Property Owner Country:	United States
EPAID:	Not reported

CK635 **SILVER SADDLE RANCH & CLUB** **LUST** **S105588630**
North **20751 ARISTOTLE DR** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.083 mi.
5717 ft. **Site 4 of 5 in cluster CK**

Actual:
2975 ft.

Focus Map:
5

LUST Region 6V:

Name:	SILVER SADDLE RANCH & CLUB
Address:	20751 ARISTOTLE DR
City:	CALIFORNIA CITY
Region:	6V
Case Number:	6B1500784T
Leak Record:	12/9/1996
Report Date:	12/2/1996
Reported By Address:	Not reported
Responsible Party:	SILVER SADDLE RANCH
Operator:	Not reported
Cross Street:	Not reported
Local Agency:	15000L
Regional Board:	6V
Chemical:	Gasoline
Case Type:	Other ground water affected
Funding:	Not reported
Enforce Type:	SEL
How Found:	Tank Closure
How Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Global ID:	T0602900974
Stop Date:	7/30/1996
Leak Confirm:	Not reported
Submit Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	12/2/1996
Remed Plan:	Not reported
Remed Action:	11/24/1998
Monitoring:	Not reported
Close Date:	Not reported
Discovered:	7/30/1996

SILVER SADDLE RANCH & CLUB (Continued) **S105588630**

Enforce Date: Not reported
Review Date: 12/9/1996
GW Qualifier: Not reported
Soil Qualifier: Not reported
MTBE class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
MTBE Counts: 0
MTBE Fuel: 1
MTBE Tested: NT
Organization Name: Not reported
Status: Remedial action (cleanup) Underway
Contact: Not reported
Interim Action: Not reported
Pilot Program: LUST
Lat/Long: 35.2191818 / -117.761105
Staff Initials: GDC
Local Agency Staff: MIC
Lead Agency: Local Agency
Summary: CASE NO# 550018
Basin Number: HARPER VALLEY (6-47)
Beneficial: Not reported
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Local Case Number: 550018
Amount: Not reported
Abate Method: Not reported
Water System: Not reported
Well Name: Not reported
Distance: 48616.49305
Wst Disch Reqrmnt Global ID: Not reported
Wst Disch Reqrmnt Name: Not reported

LUST:
Name: SILVER SADDLE RANCH & CLUB
Address: 20751 ARISTOTLE DR
City,State,Zip: CALIFORNIA CITY, CA 93505
Lead Agency: LAHONTAN RWQCB (REGION 6T)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602900974
Global Id: T0602900974
Latitude: 35.219630962928
Longitude: -117.758207917213
Status: Completed - Case Closed
Status Date: 09/05/2014
Case Worker: TML
RB Case Number: 6B1500784T
Local Agency: Not reported
File Location: Local Agency
Local Case Number: 550018
Potential Media Affect: Other Groundwater (uses other than drinking water)
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0602900974

SILVER SADDLE RANCH & CLUB (Continued) **S105588630**

Contact Type: Regional Board Caseworker
Contact Name: TAMMY LUNDQUIST
Organization Name: LAHONTAN RWQCB (REGION 6T)
Address: 2501 LAKE TAHOE BLVD.
City: SOUTH LAKE TAHOE
Email: tammy.lundquist@waterboards.ca.gov
Phone Number: 5305425400

LUST:

Global Id: T0602900974
Action Type: Other
Date: 07/30/1996
Action: Leak Discovery

Global Id: T0602900974
Action Type: RESPONSE
Date: 08/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 04/03/2002
Action: Staff Letter

Global Id: T0602900974
Action Type: RESPONSE
Date: 12/20/2013
Action: Correspondence

Global Id: T0602900974
Action Type: RESPONSE
Date: 01/13/2014
Action: Correspondence

Global Id: T0602900974
Action Type: RESPONSE
Date: 02/28/2014
Action: Other Report / Document

Global Id: T0602900974
Action Type: RESPONSE
Date: 09/30/2013
Action: Other Workplan - Regulator Responded

Global Id: T0602900974
Action Type: RESPONSE
Date: 07/05/2012
Action: CAP/RAP - Other Report - Regulator Responded

Global Id: T0602900974
Action Type: RESPONSE
Date: 09/30/2013
Action: Soil Vapor Intrusion Investigation Workplan - Regulator Responded

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 04/04/2014

SILVER SADDLE RANCH & CLUB (Continued) **S105588630**

Action:	Notification - Preclosure
Global Id:	T0602900974
Action Type:	ENFORCEMENT
Date:	03/21/2014
Action:	File Review - Closure
Global Id:	T0602900974
Action Type:	ENFORCEMENT
Date:	06/03/2014
Action:	Verbal Enforcement
Global Id:	T0602900974
Action Type:	ENFORCEMENT
Date:	09/05/2014
Action:	Closure/No Further Action Letter
Global Id:	T0602900974
Action Type:	ENFORCEMENT
Date:	06/24/2014
Action:	Email Correspondence
Global Id:	T0602900974
Action Type:	RESPONSE
Date:	12/15/2012
Action:	Remedial Progress Report
Global Id:	T0602900974
Action Type:	RESPONSE
Date:	08/30/2014
Action:	Well Destruction Report
Global Id:	T0602900974
Action Type:	ENFORCEMENT
Date:	05/27/2010
Action:	Staff Letter
Global Id:	T0602900974
Action Type:	REMEDIATION
Date:	08/02/2012
Action:	Other (Use Description Field)
Global Id:	T0602900974
Action Type:	ENFORCEMENT
Date:	05/22/2009
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0602900974
Action Type:	Other
Date:	07/30/1996
Action:	Leak Stopped
Global Id:	T0602900974
Action Type:	RESPONSE
Date:	08/15/2008
Action:	Monitoring Report - Quarterly

SILVER SADDLE RANCH & CLUB (Continued) **S105588630**

Global Id: T0602900974
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 08/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 02/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 02/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 05/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 11/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 11/15/2006
Action: Pilot Study / Treatability Workplan

Global Id: T0602900974
Action Type: RESPONSE
Date: 05/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 08/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 02/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 08/25/2010
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: RESPONSE

SILVER SADDLE RANCH & CLUB (Continued) **S105588630**

Date: 11/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 08/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 11/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 10/14/2011
Action: Correspondence

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 02/26/2013
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 03/23/2012
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 12/15/2011
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 08/24/2009
Action: Referral to Regional Board

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 03/01/2013
Action: Staff Letter

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 05/06/2013
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 06/04/2012
Action: Site Visit / Inspection / Sampling

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 10/06/2011
Action: Verbal Enforcement

SILVER SADDLE RANCH & CLUB (Continued) **S105588630**

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 10/07/2011
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 10/11/2011
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: Other
Date: 12/02/1996
Action: Leak Reported

Global Id: T0602900974
Action Type: RESPONSE
Date: 01/31/2009
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 01/30/2010
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 11/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 02/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 02/15/2012
Action: Monitoring Report - Quarterly

Global Id: T0602900974
Action Type: RESPONSE
Date: 04/16/2012
Action: Monitoring Report - Other

Global Id: T0602900974
Action Type: RESPONSE
Date: 05/30/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0602900974
Action Type: RESPONSE
Date: 11/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0602900974
Action Type: RESPONSE

SILVER SADDLE RANCH & CLUB (Continued) **S105588630**

Date: 06/26/2014
Action: Email Correspondence

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 07/09/2012
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 09/14/2012
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 10/08/2012
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 08/23/2012
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 04/04/2013
Action: Verbal Enforcement

Global Id: T0602900974
Action Type: ENFORCEMENT
Date: 12/13/2013
Action: Verbal Enforcement

LUST:
Global Id: T0602900974
Status: Open - Case Begin Date
Status Date: 07/30/1996

Global Id: T0602900974
Status: Open - Site Assessment
Status Date: 12/02/1996

Global Id: T0602900974
Status: Open - Inactive
Status Date: 11/24/1998

Global Id: T0602900974
Status: Open - Remediation
Status Date: 11/24/1998

Global Id: T0602900974
Status: Open - Assessment & Interim Remedial Action
Status Date: 10/15/2010

Global Id: T0602900974
Status: Open - Eligible for Closure
Status Date: 03/21/2014

SILVER SADDLE RANCH & CLUB (Continued) **S105588630**

Global Id: T0602900974
Status: Completed - Case Closed
Status Date: 09/05/2014

CK636 **SILVER SADDLE RANCH AND CLUB** **AST** **A100337589**
North **20751 ARISTOTLE** **N/A**
> 1 **CALIFORNIA CITY, CA**
1.083 mi.
5717 ft. **Site 5 of 5 in cluster CK**

Actual:
2975 ft.

Focus Map:
5

AST:

Name:	SILVER SADDLE RANCH AND CLUB
Address:	20751 ARISTOTLE
City/Zip:	CALIFORNIA CITY,
Certified Unified Program Agencies:	Kern
Owner:	SILVER SADDLE RANCH AND CLUB
Total Gallons:	1,650
CERSID:	Not reported
Facility ID:	Not reported
Business Name:	Not reported
Phone:	Not reported
Fax:	Not reported
Mailing Address:	Not reported
Mailing Address City:	Not reported
Mailing Address State:	Not reported
Mailing Address Zip Code:	Not reported
Operator Name:	Not reported
Operator Phone:	Not reported
Owner Phone:	Not reported
Owner Mail Address:	Not reported
Owner State:	Not reported
Owner Zip Code:	Not reported
Owner Country:	Not reported
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	Not reported

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637 **ARACELI LIMA** **RCRA NonGen / NLR** **1025864729**
North **12603 ESTHER ST** **CAC003045559**
> 1 **BORON, CA 93516**
1.103 mi.
5824 ft.

Actual:
2454 ft.

Focus Map:
52

RCRA NonGen / NLR:

Date Form Received by Agency:		20191203
Handler Name:	ARACELI LIMA	
Handler Address:		12603 ESTHER ST
Handler City,State,Zip:		BORON, CA 93516
EPA ID:		CAC003045559
Contact Name:		ARACELI PLEMONS

ARACELI LIMA (Continued) **1025864729**

Contact Address:	12603 ESTHER ST
Contact City,State,Zip:	BORON, CA 93516
Contact Telephone:	818-442-1135
Contact Fax:	Not reported
Contact Email:	ANAB@PWSEI.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	12603 ESTHER ST
Mailing City,State,Zip:	BORON, CA 93516
Owner Name:	ARACELI LIMA
Owner Type:	Other
Operator Name:	ARACELI PLEMONS
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking

ARACELI LIMA (Continued) **1025864729**

Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20191206
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	ARACELI PLEMONS
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12603 ESTHER ST
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	818-442-1135
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ARACELI LIMA
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	12603 ESTHER ST
Owner/Operator City,State,Zip:	BORON, CA 93516
Owner/Operator Telephone:	818-442-1135
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20191203
Handler Name: ARACELI LIMA	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

ARACELI LIMA (Continued) **1025864729**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

CL638 **T-MOBILE WEST, LLC SV00021A** **CUPA Listings** **S123514145**
SSE **21130 HACIENDA BLVD** **CERS** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.114 mi.
5882 ft. **Site 1 of 2 in cluster CL**

Actual:
2362 ft.

Focus Map:
20

KERN CO CUPA:
Facility ID: FA0043297
CERS ID: 10669201
Name: T-MOBILE WEST, LLC SV00021A
Address: 21130 HACIENDA BLVD
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA
Billing Status: Active, exempt from billing
Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code: CB1T
HMIRRP Due Date: Not reported
Current Inspection Date: 11/1/2020
Employee: CUPA 3
Mailing Address: 4100 Guardian Street, Suite 101
Mailing Address 2: Not reported
Mailing City: Simi Valley
Mailing State: CA
Mailing Zip: 93063

Facility ID: FA0043850
CERS ID: 10674451
Name: AT&T MOBILITY - CLU4442 (USID145434)
Address: 21130 HACIENDA BLVD
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA
Billing Status: Active, billable
Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code: CB1T
HMIRRP Due Date: Not reported
Current Inspection Date: 11/1/2022
Employee: CUPA 3
Mailing Address: 308 S. Akard St., 17th Floor
Mailing Address 2: Not reported
Mailing City: Dallas
Mailing State: TX

T-MOBILE WEST, LLC SV00021A (Continued) **S123514145**

Mailing Zip: 75202

CERS:
Name: T-MOBILE WEST, LLC SV00021A
Address: 21130 HACIENDA BLVD
City,State,Zip: CALIFORNIA CITY, CA 93505
Site ID: 566215
CERS ID: 10669201
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-13-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Facility observed to only have batteries which are under the reportable threshold. No propane observed on-site at the time of inspection and as per the facility representative, there is no plan to get propane at this location
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 4100 Guardian Street, Suite 101
Affiliation City: Simi Valley
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93063
Affiliation Phone: Not reported

Affiliation Type Desc: Legal Owner
Entity Name: T-MOBILE WEST, LLC
Entity Title: Not reported
Affiliation Address: 12920 SE 38th Street
Affiliation City: Bellevue
Affiliation State: WA
Affiliation Country: United States
Affiliation Zip: 98006
Affiliation Phone: (425) 383-4000

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Document Preparer
Entity Name: Kelly Michaels
Entity Title: Not reported

T-MOBILE WEST, LLC SV00021A (Continued) **S123514145**

Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Kelly Michaels
Entity Title:	Project Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	Kelly Michaels
Entity Title:	Not reported
Affiliation Address:	4100 Guardian Street, Suite 101
Affiliation City:	Simi Valley
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93063
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	T-MOBILE WEST, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(805) 574-0897
Affiliation Type Desc:	Parent Corporation
Entity Name:	T-MOBILE WEST, LLC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Name:	AT&T MOBILITY - CLU4442 (USID145434)
Address:	21130 HACIENDA BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	372031
CERS ID:	10674451
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-26-2017

T-MOBILE WEST, LLC SV00021A (Continued) **S123514145**

Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-10-2019
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Coordinates:

Site ID:	372031
Facility Name:	AT&T Mobility - CLU4442 (USID145434)
Env Int Type Code:	HMBP
Program ID:	10674451
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	35.128010
Longitude:	-117.959300

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Jeremy McGrue
Entity Title:	National EPCRA Manager
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	AT&T Mobility
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(800) 566-9347

T-MOBILE WEST, LLC SV00021A (Continued) **S123514145**

Affiliation Type Desc:	Parent Corporation
Entity Name:	AT&T Mobility
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Environmental Contact
Entity Name:	AT&T EH&S Hotline - Option #1
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	Not reported
Affiliation Zip:	75202
Affiliation Phone:	Not reported

Affiliation Type Desc:	Legal Owner
Entity Name:	New Cingular Wireless PCS, LLC dba AT&T Mobility
Entity Title:	Not reported
Affiliation Address:	308 S. Akard St., 17th Floor
Affiliation City:	Dallas
Affiliation State:	TX
Affiliation Country:	United States
Affiliation Zip:	75202
Affiliation Phone:	(214) 464-1712

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Document Preparer
Entity Name:	Peter Burnell, Sigma Consultants, Inc.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

CL639 **VERIZON WIRELESS CALIFORNIA CITY DOWNTOWN** **CUPA Listings** **S126202929**
SSE **21130 HACIENDA BOULEVARD NEW POLICE STATION TOWER** **N/A**
> 1 **CALIFORNIA CITY, CA**
1.114 mi.
5882 ft. **Site 2 of 2 in cluster CL**

Actual:
2362 ft.

Focus Map:
20

KERN CO CUPA:

Facility ID:	FA0036712
CERS ID:	10198954
Name:	VERIZON WIRELESS CALIFORNIA CITY DOWNTOWN
Address:	21130 HACIENDA BOULEVARD NEW POLICE STATION TOWER
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	10/31/2013
Current Inspection Date:	4/1/2024
Employee:	CUPA 3
Mailing Address:	295 Parkshore Drive
Mailing Address 2:	Not reported
Mailing City:	Folsom
Mailing State:	CA
Mailing Zip:	95630

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640 **REGAL GREEN REMEDIES** **CERS HAZ WASTE** **S125742544**
West **7875 MENDIBURU RD** **CERS** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.130 mi.
5969 ft.

Actual:
2393 ft.

Focus Map:
19

CERS HAZ WASTE:

Name:	REGAL GREEN REMEDIES
Address:	7875 MENDIBURU RD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	561153
CERS ID:	10830625
CERS Description:	Hazardous Waste Generator

CERS:

Name:	REGAL GREEN REMEDIES
Address:	7875 MENDIBURU RD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	561153
CERS ID:	10830625
CERS Description:	Chemical Storage Facilities

Affiliation:

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Document Preparer
Entity Name:	jonathan lachman

REGAL GREEN REMEDIES (Continued) **S125742544**

Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	7875 Mendiburu rd
Affiliation City:	California city
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	jonathan lachman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Jonathan Lachman
Entity Title:	Not reported
Affiliation Address:	7875 Mendiburu Rd
Affiliation City:	California city
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93505
Affiliation Phone:	(818) 292-1052
Affiliation Type Desc:	Operator
Entity Name:	Jonathan Lachman
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(818) 292-1052
Affiliation Type Desc:	Parent Corporation
Entity Name:	Regal Green Remedies
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

REGAL GREEN REMEDIES (Continued) **S125742544**

Affiliation Type Desc: Environmental Contact
Entity Name: Jonathan Lachman
Entity Title: Not reported
Affiliation Address: 7875 Mendiburu rd
Affiliation City: California city
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93505
Affiliation Phone: Not reported

Affiliation Type Desc: Property Owner
Entity Name: jonathan lachman
Entity Title: Not reported
Affiliation Address: 811 S Bedford st
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 90035
Affiliation Phone: (818) 292-1052

641
SSE
> 1
1.164 mi.
6147 ft.

CHEMICAL SAFETY
15 CLOVERFIELD LN
CALIFORNIA CITY, CA 93504

CERS HAZ WASTE **S125742468**
CERS **N/A**

Actual:
2363 ft.

Focus Map:
20

CERS HAZ WASTE:
Name: CHEMICAL SAFETY
Address: 15 CLOVERFIELD LN
City,State,Zip: CALIFORNIA CITY, CA 93504
Site ID: 560656
CERS ID: 10830085
CERS Description: Hazardous Waste Generator

CERS:
Name: CHEMICAL SAFETY
Address: 15 CLOVERFIELD LN
City,State,Zip: CALIFORNIA CITY, CA 93504
Site ID: 560656
CERS ID: 10830085
CERS Description: Chemical Storage Facilities

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Document Preparer
Entity Name: Tony Diamantidis
Entity Title: Not reported
Affiliation Address: Not reported

CHEMICAL SAFETY (Continued) **S125742468**

Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Tony Diamantidis
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Parent Corporation
Entity Name:	CHEMICAL SAFETY
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

CM642 **SILVER SADDLE RANCH & CLUB** **UST** **U004113202**
NNW **20755 ARISTOTLE DR** **N/A**
> 1 **CALIFORNIA CITY, CA**
1.168 mi.
6168 ft. **Site 1 of 4 in cluster CM**

Actual:
2970 ft.

Focus Map:
5

KERN CO. UST:

Name:	SILVER SADDLE RANCH & CLUB
Address:	20755 ARISTOTLE DR
City:	CALIFORNIA CITY
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550018
Owner Name:	SILVER SADDLE DEVELOPMENT CO
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

CM643 **SILVER SADDLE RANCH & CLUB** **CA FID UST** **S101631029**
NNW **20755 ARISTOTLE DR** **N/A**
> 1 **CALIFORNIA CITY, CA 93501**
1.168 mi.
6168 ft. **Site 2 of 4 in cluster CM**

Actual:
2970 ft.

Focus Map:
5

CA FID UST:

Facility ID:	15005259
Regulated By:	UTNKA
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	Not reported
Mail To:	Not reported
Mailing Address:	11845 W OLYMPIC BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CALIFORNIA CITY 93501
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CM644 **SILVER SADDLE RANCH & CLUB** **SWEEPS UST** **U003993204**
NNW **20755 ARISTOTLE DR** **N/A**
> 1 **CALIFORNIA CITY, CA 93501**
1.168 mi.
6168 ft. **Site 3 of 4 in cluster CM**

Actual:
2970 ft.

Focus Map:
5

SWEEPS UST:

Name:	SILVER SADDLE RANCH & CLUB
Address:	20755 ARISTOTLE DR
City:	CALIFORNIA CITY
Status:	Active
Comp Number:	550018
Number:	9
Board Of Equalization:	Not reported
Referral Date:	09-04-90
Action Date:	09-04-90
Created Date:	09-04-90
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-550018-000001
Tank Status:	A
Capacity:	5000
Active Date:	09-04-90
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	2

Name:	SILVER SADDLE RANCH & CLUB
Address:	20755 ARISTOTLE DR
City:	CALIFORNIA CITY
Status:	Active
Comp Number:	550018
Number:	9
Board Of Equalization:	Not reported
Referral Date:	09-04-90

SILVER SADDLE RANCH & CLUB (Continued) **U003993204**

Action Date:	09-04-90
Created Date:	09-04-90
Owner Tank Id:	Not reported
SWRCB Tank Id:	15-000-550018-000002
Tank Status:	A
Capacity:	5000
Active Date:	09-04-90
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	Not reported

CM645 **SILVER SADDLE RANCH & CLU** **HIST CORTESE** **U002080133**
NNW **20755 ARISTOTLE** **N/A**
> 1 **CALIFORNIA CITY, CA 93501**
1.168 mi.
6168 ft. **Site 4 of 4 in cluster CM**

Actual:
2970 ft.

Focus Map:
5

HIST CORTESE:

edr_fname:	SILVER SADDLE RANCH & CLU
edr_fadd1:	20755 ARISTOTLE
City,State,Zip:	CALIFORNIA CITY, CA 93501
Region:	CORTESE
Facility County Code:	15
Reg By:	LTNKA
Reg Id:	6B1500784T

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646 **CAL CITY BUSINESS PARK** **UST** **U004113247**
SW **8203 DOGBANE RD** **N/A**
> 1 **CALIFORNIA CITY, CA**
1.200 mi.
6338 ft.

Actual:
2393 ft.

Focus Map:
19

KERN CO. UST:

Name:	CAL CITY BUSINESS PARK
Address:	8203 DOGBANE RD
City:	CALIFORNIA CITY
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550075
Owner Name:	BISSETT, ROBERT
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

CN647 **CALIF. CITY PARK MAINTENANCE Y** **HIST UST** **U001586281**
South **10400 HEATHER (CENTRAL PARK)** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.205 mi.
6361 ft. **Site 1 of 4 in cluster CN**

Actual:
2351 ft.

Focus Map:
20

HIST UST:

Name:	CALIF. CITY PARK MAINTENANCE Y
Address:	10400 HEATHER (CENTRAL PARK)
City,State,Zip:	CALIFORNIA CITY, CA 93505
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000000920
Facility Type:	Other
Other Type:	CITY
Contact Name:	BUZZ BARKER
Telephone:	6193738661
Owner Name:	CITY OF CALIFORNIA CITY
Owner Address:	21000 HACIENDA BOULEVARD
Owner City,St,Zip:	CALIFORNIA CITY, CA 93505
Total Tanks:	0004
Tank Num:	001
Container Num:	8
Year Installed:	1982
Tank Capacity:	00001000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	002
Container Num:	C-3000
Year Installed:	1965
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor, Pressure Test
Tank Num:	003
Container Num:	D-4000
Year Installed:	1965
Tank Capacity:	00005000
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor
Tank Num:	004
Container Num:	SUMP 1
Year Installed:	1965
Tank Capacity:	00000240
Tank Used for:	WASTE
Type of Fuel:	Not reported
Container Construction Thickness:	5/8
Leak Detection:	None

CN648 **CALIF. CITY PARK MAINTENANCE Y** **SWEEPS UST** **S101620792**
South **10400 HEATHER CENTRAL PARK** **CA FID UST** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.205 mi.
6361 ft. **Site 2 of 4 in cluster CN**

Actual:
2351 ft.

Focus Map:
20

SWEEPS UST:

Name:	CALIF. CITY PARK MAINTENANCE Y
Address:	10400 HEATHER CENTRAL PARK
City:	CALIFORNIA CITY
Status:	Active
Comp Number:	920
Number:	4
Board Of Equalization:	44-005605
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	09-30-89
Owner Tank Id:	8
SWRCB Tank Id:	15-000-000920-000001
Tank Status:	A
Capacity:	1000
Active Date:	07-01-85
Tank Use:	M.V. FUEL
STG:	P
Content:	LEADED
Number Of Tanks:	3

Name:	CALIF. CITY PARK MAINTENANCE Y
Address:	10400 HEATHER CENTRAL PARK
City:	CALIFORNIA CITY
Status:	Active
Comp Number:	920
Number:	4
Board Of Equalization:	44-005605
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	09-30-89
Owner Tank Id:	C-3000
SWRCB Tank Id:	15-000-000920-000002
Tank Status:	A
Capacity:	5000
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

Name:	CALIF. CITY PARK MAINTENANCE Y
Address:	10400 HEATHER CENTRAL PARK
City:	CALIFORNIA CITY
Status:	Active
Comp Number:	920
Number:	4
Board Of Equalization:	44-005605
Referral Date:	07-01-85
Action Date:	Not reported
Created Date:	09-30-89
Owner Tank Id:	D-4000
SWRCB Tank Id:	15-000-000920-000003

CALIF. CITY PARK MAINTENANCE Y (Continued) **S101620792**

Tank Status:	A
Capacity:	5000
Active Date:	07-01-85
Tank Use:	UNKNOWN
STG:	P
Content:	Not reported
Number Of Tanks:	Not reported

CA FID UST:

Facility ID:	15004623
Regulated By:	UTNKA
Regulated ID:	00000920
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	6193738661
Mail To:	Not reported
Mailing Address:	21000 HACIENDA BLVD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	CALIFORNIA CITY 93505
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

CN649 **CALIF CITY PARK MAINTENANCE Y** **HIST UST** **S118408313**
South **10400 HEATHER (CENTRAL PARK)** **N/A**
> 1 **CALIFORMIA CITY, CA 93505**
1.205 mi.
6361 ft. **Site 3 of 4 in cluster CN**

Actual:
2351 ft.

Focus Map:
20

HIST UST:

Name:	CALIF CITY PARK MAINTENANCE Y
Address:	10400 HEATHER (CENTRAL PARK)
City,State,Zip:	CALIFORMIA CITY, CA 93505
File Number:	000246C7
URL:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000246C7.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported

CALIF CITY PARK MAINTENANCE Y (Continued) **S118408313**

Leak Detection: Not reported

Click here for Geo Tracker PDF:

CN650 **PARK MAINTENANCE YARD** **UST** **U004113210**
South **10400 HEATHER** **N/A**
> 1 **CALIFORNIA CITY, CA**
1.205 mi.
6361 ft. **Site 4 of 4 in cluster CN**

Actual:
2351 ft.

Focus Map:
20

KERN CO. UST:

Name:	PARK MAINTENANCE YARD
Address:	10400 HEATHER
City:	CALIFORNIA CITY
Region:	Kern
Facility ID:	Not reported
CERSID:	Not reported
Owner Id:	550026
Owner Name:	CITY OF CALIFORNIA CITY
Tank Num:	1
Tank Capacity:	0
Common Name:	Not reported
Description:	Not reported
Number of Compartments:	Not reported
Install Date:	Not reported
Date of Closure:	Not reported
Billing Status:	Not reported
Mailing Address:	Not reported
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	Not reported

CO651 **CITY OF CALIF PARKS AND REC** **CUPA Listings** **S126202276**
South **10460 HEATHER AVE** **N/A**
> 1 **CALIFORNIA CITY, CA**
1.205 mi.
6364 ft. **Site 1 of 2 in cluster CO**

Actual:
2353 ft.

Focus Map:
20

KERN CO CUPA:

Facility ID:	FA0003397
CERS ID:	Not reported
Name:	CITY OF CALIF PARKS AND REC
Address:	10460 HEATHER AVE
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA
Billing Status:	Inactive, non-billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	4/1/2013
Employee:	CUPA 3
Mailing Address:	21000 HACIENDA BLVD
Mailing Address 2:	Not reported
Mailing City:	CALIFORNIA CITY
Mailing State:	CA
Mailing Zip:	93505

CO652 **CITY OF CALIF PARKS AND REC** **UST** **U004224841**
South **10460 HEATHER AVE** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.205 mi.
6364 ft. **Site 2 of 2 in cluster CO**

Actual: **2353 ft.**
Focus Map: **20**

KERN CO. UST:

Name:	CITY OF CALIF PARKS AND REC
Address:	10460 HEATHER AVE
City:	CALIFORNIA CITY
Region:	Kern
Facility ID:	FA0003397
CERSID:	Not reported
Owner Id:	Not reported
Owner Name:	Not reported
Tank Num:	550026
Tank Capacity:	1,000
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	Not reported
Install Date:	01/01/1982
Date of Closure:	05/08/1997
Billing Status:	Inactive, non-billable
Mailing Address:	21000 HACIENDA BLVD
Mailing Address (care of):	Not reported
Mailing City/State/Zip:	CALIFORNIA CITY, CA 93505

CP653 **JAIMESON HILL COMPANY #701 FASTRIP #45** **RCRA NonGen / NLR** **1024809024**
SSW **8601 CALIFORNIA CITY BLVD** **CAL000282723**
> 1 **CALIFORNIA CITY, CA 93505**
1.205 mi.
6365 ft. **Site 1 of 6 in cluster CP**

Actual: **2383 ft.**
Focus Map: **20**

RCRA NonGen / NLR:

Date Form Received by Agency:	20040601
Handler Name:	JAIMESON HILL COMPANY #701 FASTRIP #45
Handler Address:	8601 CALIFORNIA CITY BLVD
Handler City,State,Zip:	CALIFORNIA CITY, CA 93505-5271
EPA ID:	CAL000282723
Contact Name:	CRAIG LINCOLN
Contact Address:	PO BOX 82515 3101 STATE RD
Contact City,State,Zip:	BAKERSFIELD, CA 93380
Contact Telephone:	661-393-7000
Contact Fax:	855-884-1414
Contact Email:	CRAIGL@JACO.COM
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 82515
Mailing City,State,Zip:	BAKERSFIELD, CA 93380-2515
Owner Name:	JAMIESON HILL
Owner Type:	Other

JAIMESON HILL COMPANY #701 FASTRIP #45 (Continued) **1024809024**

Operator Name:	CRAIG LINCOLN
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

JAIMESON HILL COMPANY #701 FASTRIP #45 (Continued) **1024809024**

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JAMIESON HILL
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 82515
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93380-0000
Owner/Operator Telephone:	661-393-7000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CRAIG LINCOLN
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 82515 3101 STATE RD
Owner/Operator City,State,Zip:	BAKERSFIELD, CA 93380
Owner/Operator Telephone:	661-393-7000
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20040601
Handler Name:	JAIMESON HILL COMPANY #701 FASTRIP #45
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	44719
NAICS Description:	OTHER GASOLINE STATIONS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

CP654 **HOWARD'S MINI MART** **SWEEPS UST** **S104565864**
SSW **8601 CALIFORNIA CITY BLVD** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.205 mi.
6365 ft. **Site 2 of 6 in cluster CP**

Actual:
2383 ft.

Focus Map:
20

SWEEPS UST:

Name:	HOWARD'S MINI MART
Address:	8601 CALIFORNIA CITY BLVD
City:	CALIFORNIA CITY
Status:	Active
Comp Number:	550056
Number:	9
Board Of Equalization:	Not reported
Referral Date:	11-03-93
Action Date:	04-27-94
Created Date:	04-13-94
Owner Tank Id:	1
SWRCB Tank Id:	15-000-550056-000001
Tank Status:	A
Capacity:	12000
Active Date:	11-03-93
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	3

Name:	HOWARD'S MINI MART
Address:	8601 CALIFORNIA CITY BLVD
City:	CALIFORNIA CITY
Status:	Active
Comp Number:	550056
Number:	9
Board Of Equalization:	Not reported
Referral Date:	11-03-93
Action Date:	04-27-94
Created Date:	04-13-94
Owner Tank Id:	2
SWRCB Tank Id:	15-000-550056-000002
Tank Status:	A
Capacity:	12000
Active Date:	11-03-93
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	Not reported

Name:	HOWARD'S MINI MART
Address:	8601 CALIFORNIA CITY BLVD
City:	CALIFORNIA CITY
Status:	Active
Comp Number:	550056
Number:	9
Board Of Equalization:	Not reported
Referral Date:	11-03-93
Action Date:	04-27-94
Created Date:	04-13-94
Owner Tank Id:	3
SWRCB Tank Id:	15-000-550056-000003

HOWARD'S MINI MART (Continued) **S104565864**

Tank Status:	A
Capacity:	12000
Active Date:	11-03-93
Tank Use:	M.V. FUEL
STG:	P
Content:	PRM UNLEADED
Number Of Tanks:	Not reported

CP655 **#7701 FASTRIP #45** **UST** **U004228404**
SSW **8601 CALIFORNIA CITY BLVD** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.205 mi.
6365 ft. **Site 3 of 6 in cluster CP**

Actual:
2383 ft.

Focus Map:
20

KERN CO. UST:

Name:	#7701 FASTRIP #45
Address:	8601 CALIFORNIA CITY BLVD
City:	CALIFORNIA CITY
Region:	Kern
Facility ID:	FA0003400
CERSID:	10175657
Owner Id:	Not reported
Owner Name:	Not reported
Tank Num:	1
Tank Capacity:	12,000
Common Name:	Not reported
Description:	REGULAR UNLEADED
Number of Compartments:	1
Install Date:	09/27/1989
Date of Closure:	Not reported
Billing Status:	Active, billable
Mailing Address:	PO Box 82515
Mailing Address (care of):	ISSA TADROS
Mailing City/State/Zip:	Bakersfield, CA 93505
Tank Num:	2
Tank Capacity:	12,000
Common Name:	Not reported
Description:	PREMIUM UNLEADED
Number of Compartments:	1
Install Date:	09/27/1989
Date of Closure:	Not reported
Billing Status:	Active, billable
Mailing Address:	PO Box 82515
Mailing Address (care of):	ISSA TADROS
Mailing City/State/Zip:	Bakersfield, CA 93505
Tank Num:	3
Tank Capacity:	12,000
Common Name:	Not reported
Description:	DIESEL
Number of Compartments:	1
Install Date:	09/27/1989
Date of Closure:	Not reported
Billing Status:	Active, billable

#7701 FASTRIP #45 (Continued) **U004228404**

Mailing Address: PO Box 82515
Mailing Address (care of): ISSA TADROS
Mailing City/State/Zip: Bakersfield, CA 93505

Tank Num: Not reported
Tank Capacity: Not reported
Common Name: Not reported
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

Tank Num: Not reported
Tank Capacity: Not reported
Common Name: Not reported
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

Tank Num: Not reported
Tank Capacity: Not reported
Common Name: Not reported
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

Tank Num: Not reported
Tank Capacity: Not reported
Common Name: Not reported
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

#7701 FASTRIP #45 (Continued) **U004228404**

UST:
Name: #7701 FASTRIP #45
Address: 8601 CALIFORNIA CITY BLVD
City,State,Zip: CALIFORNIA CITY, CA 93505
Facility ID: Not reported
Permitting Agency: Kern County Environmental Health Services Department
Latitude: 35.1262
Longitude: -117.9749

Name: #7701 FASTRIP #45
Address: 8601 CALIFORNIA CITY BLVD
City,State,Zip: CALIFORNIA CITY, CA 93505
Facility ID: Not reported
Permitting Agency: Kern County Environmental Health Service
Latitude: 35.1262
Longitude: -117.9749

Name: #7701 FASTRIP #45
Address: 8601 CALIFORNIA CITY BLVD
City,State,Zip: CALIFORNIA CITY, CA 93505
Facility ID: Not reported
Permitting Agency: Kern County Environmental Health Services Department
Latitude: 35.1262
Longitude: -117.9749

CP656 **#7701 FASTRIP #45** **CERS HAZ WASTE** **S112918746**
SSW **8601 CALIFORNIA CITY BLVD** **CERS TANKS** **N/A**
> 1 **CALIFORNIA CITY, CA 93505** **CUPA Listings**
1.205 mi. **HAZNET**
6365 ft. **Site 4 of 6 in cluster CP** **CERS**
HWTS

Actual:
2383 ft.

Focus Map:
20

CERS HAZ WASTE:
Name: #7701 FASTRIP #45
Address: 8601 CALIFORNIA CITY BLVD
City,State,Zip: CALIFORNIA CITY, CA 93505
Site ID: 91
CERS ID: 10175657
CERS Description: Hazardous Waste Generator

CERS TANKS:
Name: #7701 FASTRIP #45
Address: 8601 CALIFORNIA CITY BLVD
City,State,Zip: CALIFORNIA CITY, CA 93505
Site ID: 91
CERS ID: 10175657
CERS Description: Underground Storage Tank

KERN CO CUPA:
Facility ID: FA0003400
CERS ID: 10175657
Name: #7701 FASTRIP #45
Address: 8601 CALIFORNIA CITY BLVD
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA
Billing Status: Active, billable

#7701 FASTRIP #45 (Continued) **S112918746**

Program Element: BUS PLAN MED LOW RISK 1 UNIT
Program Element Code: CB2T
HMIRRP Due Date: 12/31/2013
Current Inspection Date: 1/1/2023
Employee: CUPA 3
Mailing Address: PO Box 82515
Mailing Address 2: Not reported
Mailing City: Bakersfield
Mailing State: CA
Mailing Zip: 93380-2515

Facility ID: FA0043231
CERS ID: 10662739
Name: FASTRIP #45 CONVENIENCE STORE
Address: 8601 CALIFORNIA CITY BLVD
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA
Billing Status: Active, billable
Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code: CB1T
HMIRRP Due Date: Not reported
Current Inspection Date: 1/1/2023
Employee: CUPA 3
Mailing Address: 8601 California City Blvd
Mailing Address 2: Not reported
Mailing City: California City
Mailing State: CA
Mailing Zip: 93505

HAZNET:
Name: JACO OIL CO
Address: 8601 CALIFORNIA CITY BLVD
Address 2: Not reported
City,State,Zip: CALIFORNIA CITY, CA 935050000
Contact: LARRY HATTON/CALPI INC
Telephone: 6615895648
Mailing Name: Not reported
Mailing Address: PO BOX 82515

Year: 2002
Gepaid: CAC002427615
TSD EPA ID: CAT080013352
CA Waste Code: 223 - Unspecified oil-containing waste
Disposal Method: R01 - Recycler
Tons: 2.085

Additional Info:
Year: 2002
Gen EPA ID: CAC002427615

Shipment Date: 20020125
Creation Date: 7/2/2002 18:31:06
Receipt Date: 20020125
Manifest ID: 96713147
Trans EPA ID: CAL000209863

#7701 FASTRIP #45 (Continued) **S112918746**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	2.085
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CERS:

Name:	#7701 FASTRIP #45
Address:	8601 CALIFORNIA CITY BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Site ID:	91
CERS ID:	10175657
CERS Description:	Chemical Storage Facilities

Violations:

Site ID:	91
Site Name:	#7701 FASTRIP #45
Violation Date:	01-23-2020
Citation:	HSC 6.7 25284.2 - California Health and Safety Code, Chapter 6.7, Section(s) 25284.2
Violation Description:	"Failure to meet one or more of the following requirements: Install or maintain a liquid-tight spill container. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill container. Be resistant to galvanic corrosion. Perform a tightness test at installation, every 12 months thereafter, or within 30 days after a repair to the spill container. Tested using applicable manufacturer guidelines, industry codes, engineering standards, or a method approved by a professional engineer. Tested by a certified UST service technician. Maintain records of spill containment testing for 36 months. "
Violation Notes:	Returned to compliance on 01/23/2020. Observed liquid in diesel and 91. Liquid was removed by the service tech prior to testing spill buckets. Corrected on-site.
Violation Division:	Kern County Env Health Services Department
Violation Program:	UST
Violation Source:	CERS

Site ID:	91
Site Name:	#7701 FASTRIP #45
Violation Date:	01-23-2020
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste",

#7701 FASTRIP #45 (Continued) **S112918746**

	name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 03/02/2020. Observed the hazardous waste drum to be lacking the accumulation start date. Waste observed to be in drum but no accumulation start date was indicated. The management was unsure as to how long the waste had been in the drum. Please ensure that the hazardous waste label is properly and thoroughly completed and that the accumulation start date is clearly indicated. Please send a photo of the properly completed label to trulovej@kerncounty.com or text a photo to 661-703-2534 with the name and CERS number of the facility.
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	91
Site Name:	#7701 FASTRIP #45
Violation Date:	01-23-2020
Citation:	HSC 6.5 25123.3(h)(1) - California Health and Safety Code, Chapter 6.5, Section(s) 25123.3(h)(1)
Violation Description:	Failure to send hazardous waste offsite for treatment, storage, or disposal within 180 days (or 270 days if waste is transported over 200 miles) for a generator who generates less than 1000 kilogram per month if all of the following conditions are met: (1) The quantity of hazardous waste accumulated onsite never exceeds 6,000 kilograms. (2) The generator complies with the requirements of 40 Code of Federal Regulations section 262.34(d), (e) and (f). (3) The generator does not hold acutely hazardous waste or extremely hazardous waste in an amount greater than one kilogram for more than 90 days.
Violation Notes:	Returned to compliance on 02/26/2020. Observed the hazardous waste drum to be lacking the accumulation start date. Waste observed to be in drum but no accumulation start date was indicated. The management was unsure as to how long the waste had been in the drum. The last hazardous waste pick up observed to be May 20, 2019. Please have the hazardous waste drum picked up by a licensed contractor immediately and then send a copy of the hazardous waste manifest to trulovej@kerncounty.com
Violation Division:	Kern County Env Health Services Department
Violation Program:	HW
Violation Source:	CERS
Site ID:	91
Site Name:	#7701 FASTRIP #45
Violation Date:	01-11-2018
Citation:	HSC 6.7 25290.1(c),25290.2(c),25291(a)(2),2529.1(e) - California Health and Safety Code, Chapter 6.7, Section(s) 25290.1(c),25290.2(c),25291(a)(2),2529.1(e)
Violation Description:	Failure to maintain secondary containment (e.g., failure of secondary containment testing).
Violation Notes:	Returned to compliance on 01/31/2018. Observed secondary testing results reporting 87 vent piping fail and 87 stp sump failure due to vent test boot leaking at poorly glued seam, test boot was ordered at time of SB989 inspection. No retest results observed and the date of SB989 testing 12/12/2016. Please replace and repair then retest. Please send retest results to trulovej@kerncouty.com
Violation Division:	Kern County Env Health Services Department

#7701 FASTRIP #45 (Continued) **S112918746**

Violation Program: UST
Violation Source: CERS

Site ID: 91
Site Name: #7701 FASTRIP #45
Violation Date: 01-12-2017
Citation: 23 CCR 16 2665 - California Code of Regulations, Title 23, Chapter 16, Section(s) 2665
Violation Description: Failure to comply with one or more of the following: Failure to install or maintain a liquid-tight spill bucket. Have a minimum capacity of five gallons. Have a functional drain valve or other method for the removal of liquid from the spill bucket/spill container. Be resistant to galvanic corrosion.
Violation Notes: Returned to compliance on 01/12/2017. Observed liquid in both the 87 product and 91 product spill buckets. Liquid was removed at the time of inspection.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Site ID: 91
Site Name: #7701 FASTRIP #45
Violation Date: 01-23-2020
Citation: 23 CCR 16 2712(i) - California Code of Regulations, Title 23, Chapter 16, Section(s) 2712(i)
Violation Description: Failure to have current UST Monitoring Plan available on site.
Violation Notes: Returned to compliance on 01/23/2020. Monitoring sire map observed to lacking sensor model numbers. Please revise the old map, discard and then upload and resubmit the new revised map in CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: UST
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-12-2017
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Observed corroded piping and turbine in the 87 turbine sump. Piping and turbine NOT obsevred to be leaking at this time
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency

#7701 FASTRIP #45 (Continued) **S112918746**

Eval Notes:	Observed the 87 turbine and piping in turbine sump to be severely corroded. No visible leaks at this time. Once all the violations have been properly corrected please sign and return the last page of this inspection report
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Other/Unknown
Eval Date:	05-30-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-09-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-11-2018
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Observed small amounts of rainwater in all spill buckets at time of 87 pump, piping and components in 87 STP sump observed to be corroded. No leaks observed at time of inspection. Once all the violations have been properly corrected please sign and return the last page of this inspection report
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-12-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-14-2015
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

#7701 FASTRIP #45 (Continued) **S112918746**

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-23-2020
Violations Found:	Yes
Eval Type:	Routine done by local agency
Eval Notes:	Once all the violations have been properly corrected please sign and return the last page of this inspection report
Eval Division:	Kern County Env Health Services Department
Eval Program:	HW
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-03-2016
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	06-02-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	06-10-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-08-2013
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Other/Unknown
Eval Date:	10-16-2014
Violations Found:	No
Eval Type:	Other, not routine, done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	UST
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-02-2019

#7701 FASTRIP #45 (Continued) **S112918746**

Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Missing 2015, 2016, 2017, 2018 monitoring certification testing results. Missing 2017 SB989 testing results. Please provide all testing results and place in the onsite UST book.
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-14-2015
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2020
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 05-29-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 10-14-2014
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: UST
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: R. CRAIG LINCOLN

#7701 FASTRIP #45 (Continued) **S112918746**

Entity Title:	DIRECTOR CONSTRUCTION & MAINTENANCE
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	JAMIESON-HILL
Entity Title:	Not reported
Affiliation Address:	PO Box 82515
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93380-2515
Affiliation Phone:	(661) 393-7000
Affiliation Type Desc:	Property Owner
Entity Name:	JAMIESON HILL
Entity Title:	Not reported
Affiliation Address:	PO Box 82515
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93380-2515
Affiliation Phone:	(661) 393-7000
Affiliation Type Desc:	UST Permit Applicant
Entity Name:	R. CRAIG LINCOLN
Entity Title:	DIR CONST & MAINT
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(661) 633-7555
Affiliation Type Desc:	UST Tank Operator
Entity Name:	ISSA TADROS
Entity Title:	Not reported
Affiliation Address:	8601 California City Blvd
Affiliation City:	California City
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93505
Affiliation Phone:	(760) 373-4141
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	PO Box 82515
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93380-2515
Affiliation Phone:	Not reported

#7701 FASTRIP #45 (Continued) **S112918746**

Affiliation Type Desc:	Parent Corporation
Entity Name:	Jamieson Hill Company
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Tank Owner
Entity Name:	JAMIESON HILL
Entity Title:	Not reported
Affiliation Address:	PO Box 82515
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93380-2515
Affiliation Phone:	(661) 393-7000

Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740

Affiliation Type Desc:	Document Preparer
Entity Name:	Catherine Riccomini
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	UST Property Owner Name
Entity Name:	JAMIESON-HILL CO
Entity Title:	Not reported
Affiliation Address:	PO Box 82515
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93380-2515
Affiliation Phone:	(661) 393-7000

Affiliation Type Desc:	Environmental Contact
Entity Name:	R. Craig Lincoln
Entity Title:	Not reported
Affiliation Address:	PO Box 82515
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported

#7701 FASTRIP #45 (Continued) **S112918746**

Affiliation Zip: 93380-2515
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: ISSA TADROS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (760) 373-4141

Name: FASTRIP #45 CONVENIENCE STORE
Address: 8601 CALIFORNIA CITY BLVD
City,State,Zip: CALIFORNIA CITY, CA 93505
Site ID: 366576
CERS ID: 10662739
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 366576
Site Name: Fastrip #45 Convenience Store
Violation Date: 01-23-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit a site map with all required content.
Violation Notes: Returned to compliance on 07/09/2020. Observed the facility site map to be lacking the location of the propane bottles. Please add the location of the propane to the site map, discard the old site map and then upload and resubmit the revised site map in CERS.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 366576
Site Name: Fastrip #45 Convenience Store
Violation Date: 01-23-2020
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/09/2020. Observed approximately 35 15 pound or 5 gallon bottles propane onsite. Please add propane to the hazardous materials inventory in CERS and then resubmit with all other elements.
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Site ID: 366576
Site Name: Fastrip #45 Convenience Store
Violation Date: 01-23-2020
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)

#7701 FASTRIP #45 (Continued) **S112918746**

Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 07/09/2020. As per the facility manger, the facility has had no training on propane or CO2. Please ensure that all applicable employees have been properly trained and please revise training plan to include propane and CO2. Please send a copy of the CO2 and propane training logs for the last 3 years to trulovej@kerncounty.com
Violation Division: Kern County Env Health Services Department
Violation Program: HMRRP
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-12-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 01-23-2020
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Once all the violations have been properly corrected please sign and return the last page of this inspection report
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 366576
Facility Name: Fastrip #45 Convenience Store
Env Int Type Code: HMBP
Program ID: 10662739
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.126170
Longitude: -117.974950

Affiliation:
Affiliation Type Desc: Legal Owner
Entity Name: S & O Fastrip
Entity Title: Not reported
Affiliation Address: 8601 California City Blvd
Affiliation City: California City
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 93505
Affiliation Phone: (760) 373-4141

Affiliation Type Desc: Parent Corporation

#7701 FASTRIP #45 (Continued) **S112918746**

Entity Name:	Fastrip #45 Convenience Store
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Catherine Riccomini
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Issa Tadros
Entity Title:	Owner
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Operator
Entity Name:	S & O Fastrip
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(760) 373-4141
Affiliation Type Desc:	CUPA District
Entity Name:	Kern County Environmental Health Services Departme
Entity Title:	Not reported
Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	8601 California City Blvd
Affiliation City:	California City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505

#7701 FASTRIP #45 (Continued) **S112918746**

Affiliation Phone:	Not reported
Affiliation Type Desc:	Environmental Contact
Entity Name:	ISSA TADROS
Entity Title:	Not reported
Affiliation Address:	8601 California City Blvd
Affiliation City:	California City
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93505
Affiliation Phone:	Not reported
Affiliation Type Desc:	Property Owner
Entity Name:	Jamieson Hill Co.
Entity Title:	Not reported
Affiliation Address:	PO Box 82515
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	93380-2515
Affiliation Phone:	(661) 393-7000

HWTS:

Name:	JACO OIL CO
Address:	8601 CALIFORNIA CITY BLVD
Address 2:	Not reported
City,State,Zip:	CALIFORNIA CITY, CA 935050000
EPA ID:	CAC002427615
Inactive Date:	09/10/2002
Create Date:	01/24/2002
Last Act Date:	01/24/2002
Mailing Name:	Not reported
Mailing Address:	PO BOX 82515
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BAKERSFIELD, CA 933802515
Owner Name:	JACO OIL CO
Owner Address:	PO BOX 82515
Owner Address 2:	Not reported
Owner City,State,Zip:	BAKERSFIELD, CA 933802515
Contact Name:	LARRY HATTON/CALPI INC
Contact Address:	PO BOX 6278
Contact Address 2:	Not reported
City,State,Zip:	BAKERSFIELD, CA 933860000

CP657 **FASTRIP #45** **UST** **U004113877**
SSW **8601 CALIFORNIA CITY BLVD** **N/A**
> 1 **CALIFORNIA CITY, CA 93505**
1.205 mi.
6365 ft. **Site 5 of 6 in cluster CP**

Actual:
2383 ft.

Focus Map:
20

KERN CO. UST:

Name:	FASTRIP FOOD STORE #45
Address:	8601 CALIFORNIA CITY BLVD
City:	CALIFORNIA CITY
Region:	Kern
Facility ID:	Not reported

FASTRIP #45 (Continued) **U004113877**

CERSID: Not reported
Owner Id: 550056
Owner Name: JAMIESON-HILL

Tank Num: 1
Tank Capacity: 12000
Common Name: UNLEADED
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

Tank Num: 2
Tank Capacity: 12000
Common Name: PREMIUM
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

Tank Num: 3
Tank Capacity: 12000
Common Name: DIESEL
Description: Not reported
Number of Compartments: Not reported
Install Date: Not reported
Date of Closure: Not reported
Billing Status: Not reported
Mailing Address: Not reported
Mailing Address (care of): Not reported
Mailing City/State/Zip: Not reported

UST:
Name: FASTRIP #45
Address: 8601 CALIFORNIA CITY BLVD
City,State,Zip: CALIFORNIA CITY, CA 93505
Facility ID: FA0003400
Permitting Agency: KERN COUNTY
Latitude: 35.1276262
Longitude: -117.9735938

CP658 **AV AUTO PARTS INC.** **RCRA NonGen / NLR** **1024761380**
SSW **8525 CALIFORNIA CITY BLVD SUITE # E** **CAC002981240**
> 1 **CALIF CITY, CA 93505**
1.215 mi.
6414 ft. **Site 6 of 6 in cluster CP**

Actual:
2384 ft.

Focus Map:
20

RCRA NonGen / NLR:

Date Form Received by Agency:		20180920
Handler Name:	AV AUTO PARTS INC.	
Handler Address:		8525 CALIFORNIA CITY BLVD SUITE # E
Handler City,State,Zip:		CALIF CITY, CA 93505
EPA ID:		CAC002981240
Contact Name:		LESLIE SWINDLER
Contact Address:		8525 CALIFORNIA CITY BLVD
Contact City,State,Zip:		CALIFORNIA CITY, CA 93505
Contact Telephone:		760-373-4835
Contact Fax:		760-373-3352
Contact Email:		CALNAPAGIRL@YAHOO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		41781 W. 12TH ST. #D
Mailing City,State,Zip:		PALMDALE, CA 93551
Owner Name:		ADAN RUIZ
Owner Type:		Other
Operator Name:		LESLIE SWINDLER
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		Yes
Universal Waste Destination Facility:		Yes
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported

AV AUTO PARTS INC. (Continued) **1024761380**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20181001
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	LESLIE SWINDLER
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	8525 CALIFORNIA CITY BLVD
Owner/Operator City,State,Zip:	CALIFORNIA CITY, CA 93505
Owner/Operator Telephone:	760-373-4835
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ADAN RUIZ
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	41781 W. 12TH ST. #D
Owner/Operator City,State,Zip:	PALMDALE, CA 93551
Owner/Operator Telephone:	661-940-4666
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

AV AUTO PARTS INC. (Continued) **1024761380**

Historic Generators:
- Receive Date: 20180920
- Handler Name: AV AUTO PARTS INC.
- Federal Waste Generator Description: Not a generator, verified
- State District Owner: Not reported
- Large Quantity Handler of Universal Waste: No
- Recognized Trader Importer: No
- Recognized Trader Exporter: No
- Spent Lead Acid Battery Importer: No
- Spent Lead Acid Battery Exporter: No
- Current Record: Yes
- Non Storage Recycler Activity: Not reported
- Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
- NAICS Code: 56299
- NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
- Violations: No Violations Found

Evaluation Action Summary:
- Evaluations: No Evaluations Found

---

659 North > 1 1.227 mi. 6476 ft. **VERIZON WIRELESS BORON DOWNTOWN**
12547 BORON AVE
BORON, CA 93516

CUPA Listings **S123522931**
CERS **N/A**

Actual: 2471 ft.
Focus Map: 52

KERN CO CUPA:
- Facility ID: FA0048534
- CERS ID: 10777966
- Name: VERIZON WIRELESS BORON DOWNTOWN
- Address: 12547 BORON AVE
- Address 2: Not reported
- City,State,Zip: BORON, CA
- Billing Status: Active, billable
- Program Element: BUS PLAN SMALL LOW RISK 1 UNIT
- Program Element Code: CB1T
- HMIRRP Due Date: Not reported
- Current Inspection Date: 9/1/2023
- Employee: CUPA 3
- Mailing Address: 295 Parkshore Drive
- Mailing Address 2: Not reported
- Mailing City: Folsom
- Mailing State: CA
- Mailing Zip: 95630

CERS:
- Name: VERIZON WIRELESS BORON DOWNTOWN
- Address: 12547 BORON AVE
- City,State,Zip: BORON, CA 93516
- Site ID: 445955

VERIZON WIRELESS BORON DOWNTOWN (Continued) **S123522931**

CERS ID: 10777966
CERS Description: Chemical Storage Facilities

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 02-19-2021
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Kern County Env Health Services Department
Eval Program: HMRRP
Eval Source: CERS

Coordinates:
Site ID: 445955
Facility Name: Verizon Wireless Boron Downtown
Env Int Type Code: HMBP
Program ID: 10777966
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 35.007230
Longitude: -117.649850

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 295 Parkshore Drive
Affiliation City: Folsom
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95630
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Verizon Wireless
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (866) 694-2415

Affiliation Type Desc: Property Owner
Entity Name: Alex I. Eid & Wafaa Eid
Entity Title: Not reported
Affiliation Address: 22108 Copper Hill Drive
Affiliation City: Santa Clara
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 91350
Affiliation Phone: (818) 371-2918

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported

VERIZON WIRELESS BORON DOWNTOWN (Continued) **S123522931**

Affiliation Address:	2700 M Street, Suite 300
Affiliation City:	Bakersfield
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	93301-2370
Affiliation Phone:	(661) 862-8740
Affiliation Type Desc:	Environmental Contact
Entity Name:	Environmental Compliance
Entity Title:	Not reported
Affiliation Address:	295 Parkshore Drive
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	95630
Affiliation Phone:	Not reported
Affiliation Type Desc:	Document Preparer
Entity Name:	Samantha Marie Pellerin
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Identification Signer
Entity Name:	Samantha Marie Pellerin
Entity Title:	Environmental Compliance
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Verizon Wireless
Entity Title:	Not reported
Affiliation Address:	295 Parkshore Drive
Affiliation City:	Folsom
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	95630
Affiliation Phone:	(866) 694-2415
Affiliation Type Desc:	Parent Corporation
Entity Name:	Verizon Wireless [Northern California]
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

660
SSE
> 1
1.236 mi.
6528 ft.

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP
2 MILE SW OF 21000 HACIENDA BLVD
MOJAVE, CA 93505

RESPONSE
ENVIROSTOR
Cortese

S109034297
N/A

Actual:
2364 ft.

Focus Map:
20

RESPONSE:

Name:	MOJAVE GUNNERY RANGE - (J09CA7281) MMRP
Address:	2 MILE SW OF 21000 HACIENDA BLVD
City,State,Zip:	MOJAVE, CA 93505
Facility ID:	80000950
Site Type:	State Response
Site Type Detail:	FUDS
Acres:	22908.24
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	John Bystra
Supervisor:	Noel Shrum
Division Branch:	Cleanup Sacramento
Site Code:	101450
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	36
Senate:	16
Special Program Status:	DSMOA
Status:	Active
Status Date:	09/14/2006
Restricted Use:	NO
Funding:	MMRP
Latitude:	35.07580
Longitude:	-117.9981
APN:	NONE SPECIFIED
Past Use:	FIRING RANGE - ARTILLERY, RESEARCH - WEAPONS
Potential COC :	Explosives (UXO, MEC
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	CA99799FA26200
Alias Type:	Federal Facility ID
Alias Name:	110033610778
Alias Type:	EPA (FRS #)
Alias Name:	J09CA728101
Alias Type:	Site Code - Historical
Alias Name:	101450
Alias Type:	Project Code (Site Code)
Alias Name:	80000950
Alias Type:	Envirostor ID Number
Alias Name:	https://rsgisias.crrel.usace.army.mil/publicfuds/
Alias Type:	External Website Link / URL

Completed Info:

Completed Area Name:	Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 and E2
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	02/22/2021
Comments:	This Data Usability Assessmrnt was prepared and discussed with DTSC to verify that DTSC agrees with the recommendations within the DUA: namely, that the data is usable and sufficient for making conclusions about the surface clearance activities. USACE is not asking for it to be approved by DTSC at this time, because it will be incorporated

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

into the Remedial Action Completion Report. Thus this activity is being closed out and the document left as draft.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/14/2018
Comments: This letter identifies the purpose, date, time, and location of the second public meeting for the proposed plan for the MGRC site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/24/2019
Comments: DTSC attending the Systematic Project Planning Meetings 1 for Munitions Response Site (MRS)-04, -06, and -07 and for MRS-01 and -05, and the site visits to all these MRSs

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/09/2020
Comments: Due to COVID-19, this activity can be replaced by video meetings/conference calls, as needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 10/11/2019
Comments: The pre-HARP identifies the probably and possible hazards that may be encountered during the trip to MGRC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: This event was prepared to encompass all activities that were needed to track the work on this site associated with USACE, but not attributable to a specific document, but rather general activities (such as project tracking, updating historical records in Envirostor, and the like).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/25/2021
Comments: USACE's contractor Bristol has completed all the surface clearance activities for Munitions Response Sites (MRSs) -04, -06, -07 at the Mojave Gunnery Range C. The surface clearance activities removed 3024 lbs, 1687 lbs. and 1226 lbs. from MRSs-04, -06 and -07, respectively, of material documented as safe from the surface of these areas. The next step in the remediation of these areas is to document these activities in remedial/removal action completion reports, and to identify the institutional controls for each of these areas to protect future receptors from potential subsurfrace unexploded ordnance, or munitions or explosives of concern that was not part of these remedies.

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Neg. Declaration
Completed Date:	04/23/2008
Comments:	Complete the environmental review for the proposed action
Completed Area Name:	Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/15/2021
Comments:	This event and the resulting actions of USACE and Bristol identified that the issues resulting from these scavengers was resolved. Documentation of this event will occur in the appropriate Completion Report(s) for the site.
Completed Area Name:	Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	01/12/2021
Comments:	The email documentation DTSC has been given indicates that the items for demolition were consolidated and then detonated with explosives. However, DTSC has determined in subsequent conversations with USACE that the items were mechanically perforated rather than detonated.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Land Use Restriction Monitoring Report
Completed Date:	07/01/2010
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Report
Completed Date:	05/14/2007
Comments:	Accepted the proposed geophysical prove out for this facility.
Completed Area Name:	MMRP - Site Wide
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	06/27/2012
Comments:	Not reported
Completed Area Name:	MMRP - Site Wide
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	02/15/2008
Comments:	Geophysical Prove-Out Approved for determining the equipment to be used in the Remedial Investigation.
Completed Area Name:	MMRP - Site Wide
Completed Sub Area Name:	Not reported
Completed Document Type:	Mitigation Monitoring Report
Completed Date:	06/11/2008
Comments:	Accepted the proposed work as identified. Also clarified there were other areas identified that needed to be addressed.

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

Completed Area Name:	MMRP - Site Wide
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	06/11/2008
Comments:	Department accepted the work plan for the proposed actions in the areas identified. This document provides the authorization to address ordnance finds during the work. Also identified the remaining areas needing review.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	12/22/2008
Comments:	DTSC agrees with plan for sampling of munitions constituents.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	06/22/2010
Comments:	Corp provided as information for our files.
Completed Area Name:	Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 and E2
Completed Sub Area Name:	Not reported
Completed Document Type:	Record of Decision
Completed Date:	06/25/2018
Comments:	DTSC concurred with the proposed remedy for Areas E, E1, and E2, affecting 163 acres of the Mojave Gunnery Range C property. The proposed remedy is surface clearance and institutional controls to both clean up the property and reduce the chance that residents of California City and travelers to California City will be affected in the future. It is anticipated that it will take 3.5 to 4 years from DTSC's concurrence to get funding and perform the cleanup activities.
Completed Area Name:	Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Completed Sub Area Name:	Not reported
Completed Document Type:	Record of Decision
Completed Date:	06/25/2018
Comments:	DTSC concurred with the proposed remedy for Areas 5 & 6, affecting 41 acres of the Mojave Gunnery Range C property. The proposed remedy is surface clearance and institutional controls to both clean up the property and reduce the chance that residents of California City and travelers to California City will be affected in the future. It is anticipated that it will take 3.5 to 4 years from DTSC's concurrence to get funding and perform the cleanup activities.
Completed Area Name:	Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name:	Not reported
Completed Document Type:	Record of Decision
Completed Date:	06/25/2018
Comments:	DTSC concurred with the proposed remedy for this Rocket Range, affecting 289 acres of the Mojave Gunnery Range C property. The proposed remedy is surface clearance and institutional controls to both clean up the property and reduce the chance that residents of California City and travelers to California City will be affected in

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

the future. It is anticipated that it will take 3.5 to 4 years from DTSC's concurrence to get funding and perform the cleanup activities.

Completed Area Name: Munitions Response Site 01 fka Munitions Response Site 02 aka Project 05 aka Areas C and D aka Bombing Target
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 05/16/2018
Comments: DTSC is concurring with the Decision Document/Record of Decision for MRS-01, Project-01. US Army Corps of Engineers will perform surface and subsurface clearance to remove unexploded ordnance from this MRS. The remedy will include an institutional controls component which will include an ongoing educational awareness program to apprise residents of the historical activities in this area.

Completed Area Name: Munitions Response Site 05 fka Munitions Response Site 01 aka Project 01 aka Areas A&B aka Bombing Target aka Bombing Range #73
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 06/25/2018
Comments: DTSC concurred with the proposed remedy for this Bombing Range, affecting 2,906 acres of the Mojave Gunnery Range C property. The proposed remedy is surface clearance and institutional controls to both clean up the property and reduce the chance that residents of California City and travelers to California City will be affected in the future. It is anticipated that it will take 3.5 to 4 years from DTSC's concurrence to get funding and perform the cleanup activities.

Completed Area Name: Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 08/25/2020
Comments: The Munitions Response Quality Assurance Project Plan/Remedial Action Implmentation Workplan was approved by DTSC, and will provide surface clearance for munitions in the portion of the 289 acres of the Munitions Response Site 04 which presently have Right of Entry from the property owner.

Completed Area Name: Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 08/25/2020
Comments: The Munitions Response Quality Assurance Project Plan/Remedial Action Implementation Workplan was approved by DTSC, and will provide surface clearance for munitions in the portion of the 41 acres of the Munitions Response Site 06 which presently have Right of Entry from the property owner.

Completed Area Name: Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 and E2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 08/25/2020
Comments: The Munitions Response Quality Assurance Project Plan/Remedial Action Implementation Workplan was approved by DTSC, and will provide

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

surface clearance for munitions in the portion of the 169 acres of the Munitions Response Site 07 which presently have Right of Entry from the property owner.

Completed Area Name: Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/15/2021
Comments: The surface clearance field activities for MRS-04 started November 11,2020 and were completed on or about January 15, 2021. Addtitional removal of equipment associated with surface clearance activities took a few additional days to remove after the surface clearance was deemed complete.

Completed Area Name: Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/12/2020
Comments: The surface clearance field activities for MRS-06 started at the end of October 2020 and were completed on or about November 12, 2020. Addtitional removal of equipment associated with surface clearance activities took a few additional days to remove after the surface clearance was deemed complete.

Completed Area Name: Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 and E2
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/11/2021
Comments: The surface clearance field activities for MRS-07 started January 18, 2021 and were completed on or about February 11, 2021. Addtitional removal of equipment associated with surface clearance activities took a few additional days to remove after the surface clearance was deemed complete.

Completed Area Name: Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/14/2021
Comments: This Data Usability Assessmrnt was prepared and discussed with DTSC to verify that DTSC agrees with the recommendations within the DUA: namely, that the data is usable and sufficient for making conclusions about the surface clearance activities. USACE is not asking for it to be approved by DTSC at this time, because it will be incorporated into the Remedial Action Completion Report. Thus this activity is being closed out and the document left as draft.

Completed Area Name: Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/12/2021
Comments: This Data Usability Assessmrnt was prepared and discussed with DTSC to verify that DTSC agrees with the recommendations within the DUA:

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

namely, that the data is usable and sufficient for making conclusions about the surface clearance activities. USACE is not asking for it to be approved by DTSC at this time, because it will be incorporated into the Remedial Action Completion Report. Thus this activity is being closed out and the document left as draft.

Future Area Name:	Munitions Response Site 05 fka Munitions Response Site 01 aka Project 01 aka Areas A&B aka Bombing Target aka Bombing Range #73
Future Sub Area Name:	Not reported
Future Document Type:	Remedial Action Completion Report
Future Due Date:	2023
Schedule Area Name:	Munitions Response Sites -01 and -05
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Remedial Action Plan
Schedule Due Date:	08/14/2021
Schedule Revised Date:	Not reported
Schedule Area Name:	Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Remedial Action Completion Report
Schedule Due Date:	04/30/2022
Schedule Revised Date:	Not reported
Schedule Area Name:	Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Completion Report
Schedule Due Date:	06/22/2022
Schedule Revised Date:	Not reported
Schedule Area Name:	Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 an
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Removal Action Completion Report
Schedule Due Date:	05/04/2022
Schedule Revised Date:	Not reported

ENVIROSTOR:

Name:	MOJAVE GUNNERY RANGE - (J09CA7281) MMRP
Address:	2 MILE SW OF 21000 HACIENDA BLVD
City,State,Zip:	MOJAVE, CA 93505
Facility ID:	80000950
Status:	Active
Status Date:	09/14/2006
Site Code:	101450
Site Type:	State Response
Site Type Detailed:	FUDS
Acres:	22908.24
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	John Bystra
Supervisor:	Noel Shrum
Division Branch:	Cleanup Sacramento
Assembly:	36
Senate:	16
Special Program:	DSMOA
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	MMRP
Latitude:	35.07580
Longitude:	-117.9981

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

APN: NONE SPECIFIED
Past Use: FIRING RANGE - ARTILLERY, RESEARCH - WEAPONS
Potential COC: Explosives (UXO, MEC
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: CA99799FA26200
Alias Type: Federal Facility ID
Alias Name: 110033610778
Alias Type: EPA (FRS #)
Alias Name: J09CA728101
Alias Type: Site Code - Historical
Alias Name: 101450
Alias Type: Project Code (Site Code)
Alias Name: 80000950
Alias Type: Envirostor ID Number
Alias Name: https://rsgisias.crrel.usace.army.mil/publicfuds/
Alias Type: External Website Link / URL

Completed Info:
Completed Area Name: Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 and E2
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/22/2021
Comments: This Data Usability Assessmrnt was prepared and discussed with DTSC to verify that DTSC agrees with the recommendations within the DUA: namely, that the data is usable and sufficient for making conclusions about the surface clearance activities. USACE is not asking for it to be approved by DTSC at this time, because it will be incorporated into the Remedial Action Completion Report. Thus this activity is being closed out and the document left as draft.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/14/2018
Comments: This letter identifies the purpose, date, time, and location of the second public meeting for the proposed plan for the MGRC site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/24/2019
Comments: DTSC attending the Systematic Project Planning Meetings 1 for Munitions Response Site (MRS)-04, -06, and -07 and for MRS-01 and -05, and the site visits to all these MRSs

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 11/09/2020
Comments: Due to COVID-19, this activity can be replaced by video meetings/conference calls, as needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 10/11/2019

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

Comments: The pre-HARP identifies the probably and possible hazards that may be encountered during the trip to MGRC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: This event was prepared to encompass all activities that were needed to track the work on this site associated with USACE, but not attributable to a specific document, but rather general activities (such as project tracking, updating historical records in Envirostor, and the like).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/25/2021
Comments: USACE's contractor Bristol has completed all the surface clearance activities for Munitions Response Sites (MRSs) -04, -06, -07 at the Mojave Gunnery Range C. The surface clearance activities removed 3024 lbs, 1687 lbs. and 1226 lbs. from MRSs-04, -06 and -07, respectively, of material documented as safe from the surface of these areas. The next step in the remediation of these areas is to document these activities in remedial/removal action completion reports, and to identify the institutional controls for each of these areas to protect future receptors from potential subsurfrace unexploded ordnance, or munitions or explosives of concern that was not part of these remedies.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/23/2008
Comments: Complete the environmental review for the proposed action

Completed Area Name: Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/15/2021
Comments: This event and the resulting actions of USACE and Bristol identified that the issues resulting from these scavengers was resolved. Documentation of this event will occur in the appropriate Completion Report(s) for the site.

Completed Area Name: Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/12/2021
Comments: The email documentation DTSC has been given indicates that the items for demolition were consolidated and then detonated with explosives. However, DTSC has determined in subsequent conversations with USACE that the items were mechanically perforated rather than detonated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

Completed Document Type: * Land Use Restriction Monitoring Report
Completed Date: 07/01/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/14/2007
Comments: Accepted the proposed geophysical prove out for this facility.

Completed Area Name: MMRP - Site Wide
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 06/27/2012
Comments: Not reported

Completed Area Name: MMRP - Site Wide
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/15/2008
Comments: Geophysical Prove-Out Approved for determining the equipment to be used in the Remedial Investigation.

Completed Area Name: MMRP - Site Wide
Completed Sub Area Name: Not reported
Completed Document Type: Mitigation Monitoring Report
Completed Date: 06/11/2008
Comments: Accepted the proposed work as identified. Also clarified there were other areas identified that needed to be addressed.

Completed Area Name: MMRP - Site Wide
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/11/2008
Comments: Department accepted the work plan for the proposed actions in the areas identified. This document provides the authorization to address ordnance finds during the work. Also identified the remaining areas needing review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 12/22/2008
Comments: DTSC agrees with plan for sampling of munitions constituents.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Inventory Project Report (INPR)
Completed Date: 06/22/2010
Comments: Corp provided as information for our files.

Completed Area Name: Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 and E2
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 06/25/2018
Comments: DTSC concurred with the proposed remedy for Areas E, E1, and E2,

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

affecting 163 acres of the Mojave Gunnery Range C property. The proposed remedy is surface clearance and institutional controls to both clean up the property and reduce the chance that residents of California City and travelers to California City will be affected in the future. It is anticipated that it will take 3.5 to 4 years from DTSC's concurrence to get funding and perform the cleanup activities.

Completed Area Name: Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 06/25/2018
Comments: DTSC concurred with the proposed remedy for Areas 5 & 6, affecting 41 acres of the Mojave Gunnery Range C property. The proposed remedy is surface clearance and institutional controls to both clean up the property and reduce the chance that residents of California City and travelers to California City will be affected in the future. It is anticipated that it will take 3.5 to 4 years from DTSC's concurrence to get funding and perform the cleanup activities.

Completed Area Name: Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 06/25/2018
Comments: DTSC concurred with the proposed remedy for this Rocket Range, affecting 289 acres of the Mojave Gunnery Range C property. The proposed remedy is surface clearance and institutional controls to both clean up the property and reduce the chance that residents of California City and travelers to California City will be affected in the future. It is anticipated that it will take 3.5 to 4 years from DTSC's concurrence to get funding and perform the cleanup activities.

Completed Area Name: Munitions Response Site 01 fka Munitions Response Site 02 aka Project 05 aka Areas C and D aka Bombing Target
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 05/16/2018
Comments: DTSC is concurring with the Decision Document/Record of Decision for MRS-01, Project-01. US Army Corps of Engineers will perform surface and subsurface clearance to remove unexploded ordnance from this MRS. The remedy will include an institutional controls component which will include an ongoing educational awareness program to apprise residents of the historical activities in this area.

Completed Area Name: Munitions Response Site 05 fka Munitions Response Site 01 aka Project 01 aka Areas A&B aka Bombing Target aka Bombing Range #73
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision
Completed Date: 06/25/2018
Comments: DTSC concurred with the proposed remedy for this Bombing Range, affecting 2,906 acres of the Mojave Gunnery Range C property. The proposed remedy is surface clearance and institutional controls to both clean up the property and reduce the chance that residents of California City and travelers to California City will be affected in the future. It is anticipated that it will take 3.5 to 4 years from DTSC's concurrence to get funding and perform the cleanup activities.

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

Completed Area Name:	Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Implementation Workplan
Completed Date:	08/25/2020
Comments:	The Munitions Response Quality Assurance Project Plan/Remedial Action Implmentation Workplan was approved by DTSC, and will provide surface clearance for munitions in the portion of the 289 acres of the Munitions Response Site 04 which presently have Right of Entry from the property owner.
Completed Area Name:	Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Implementation Workplan
Completed Date:	08/25/2020
Comments:	The Munitions Response Quality Assurance Project Plan/Remedial Action Implementation Workplan was approved by DTSC, and will provide surface clearance for munitions in the portion of the 41 acres of the Munitions Response Site 06 which presently have Right of Entry from the property owner.
Completed Area Name:	Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 and E2
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Implementation Workplan
Completed Date:	08/25/2020
Comments:	The Munitions Response Quality Assurance Project Plan/Remedial Action Implementation Workplan was approved by DTSC, and will provide surface clearance for munitions in the portion of the 169 acres of the Munitions Response Site 07 which presently have Right of Entry from the property owner.
Completed Area Name:	Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	01/15/2021
Comments:	The surface clearance field activities for MRS-04 started November 11,2020 and were completed on or about January 15, 2021. Addtitional removal of equipment associated with surface clearance activities took a few additional days to remove after the surface clearance was deemed complete.
Completed Area Name:	Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	11/12/2020
Comments:	The surface clearance field activities for MRS-06 started at the end of October 2020 and were completed on or about November 12, 2020. Addtitional removal of equipment associated with surface clearance activities took a few additional days to remove after the surface clearance was deemed complete.
Completed Area Name:	Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 and E2

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/11/2021
Comments: The surface clearance field activities for MRS-07 started January 18, 2021 and were completed on or about February 11, 2021. Addtitional removal of equipment associated with surface clearance activities took a few additional days to remove after the surface clearance was deemed complete.

Completed Area Name: Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 01/14/2021
Comments: This Data Usability Assessmrnt was prepared and discussed with DTSC to verify that DTSC agrees with the recommendations within the DUA: namely, that the data is usable and sufficient for making conclusions about the surface clearance activities. USACE is not asking for it to be approved by DTSC at this time, because it will be incorporated into the Remedial Action Completion Report. Thus this activity is being closed out and the document left as draft.

Completed Area Name: Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket Range 101
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 02/12/2021
Comments: This Data Usability Assessmrnt was prepared and discussed with DTSC to verify that DTSC agrees with the recommendations within the DUA: namely, that the data is usable and sufficient for making conclusions about the surface clearance activities. USACE is not asking for it to be approved by DTSC at this time, because it will be incorporated into the Remedial Action Completion Report. Thus this activity is being closed out and the document left as draft.

Future Area Name: Munitions Response Site 05 fka Munitions Response Site 01 aka Project 01 aka Areas A&B aka Bombing Target aka Bombing Range #73
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2023
Schedule Area Name: Munitions Response Sites -01 and -05
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Plan
Schedule Due Date: 08/14/2021
Schedule Revised Date: Not reported
Schedule Area Name: Munitions Response Site 06 fka Area of Interest 03 aka Project 6 aka Arial Photo Analysis Areas 5 and 6
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedial Action Completion Report
Schedule Due Date: 04/30/2022
Schedule Revised Date: Not reported
Schedule Area Name: Munitions Response Site 04 fka Munitions Response Site 05 aka Project 04 aka Areas H and I aka Rocket
Schedule Sub Area Name: Not reported
Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 06/22/2022
Schedule Revised Date: Not reported
Schedule Area Name: Munitions Response Site 07 fka Area of Interest 05 aka Project 07 aka Arial Photo Analysis Areas E, E1 an
Schedule Sub Area Name: Not reported

MOJAVE GUNNERY RANGE - (J09CA7281) MMRP (Continued) **S109034297**

Schedule Document Type: Removal Action Completion Report
Schedule Due Date: 05/04/2022
Schedule Revised Date: Not reported

CORTESE:

Name:	MOJAVE GUNNERY RANGE - (J09CA7281) MMRP
Address:	2 MILE SW OF 21000 HACIENDA BLVD
City,State,Zip:	MOJAVE, CA 93505
Region:	CORTESE
Envirostor Id:	80000950
Global ID:	Not reported
Site/Facility Type:	STATE RESPONSE
Cleanup Status:	ACTIVE
Status Date:	09/14/2006
Site Code:	101450
Latitude:	35.075808
Longitude:	-117.99814
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	envirostor
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Haz Waste & Substances Sites

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661 **BLDG 4318** **LUST** **S102425380**
SE **NORTHBASE** **HIST CORTESE** **N/A**
> 1 **EDWARDS AFB, CA 93524**
1.364 mi.
7203 ft.

Actual:
2279 ft.

Focus Map:
49

LUST Region 6V:

Name:	BLDG 4318
Address:	NORTHBASE
City:	EDWARDS AFB
Region:	6V
Case Number:	6B1500011T
Leak Record:	10/26/1995
Report Date:	9/6/1995
Reported By Address:	Not reported
Responsible Party:	US AIR FORCE
Operator:	US AIR FORCE
Cross Street:	Not reported
Local Agency:	15000L
Regional Board:	6V
Chemical:	Gasoline
Case Type:	Undefined
Funding:	F
Enforce Type:	N
How Found:	Tank Closure
How Stopped:	Not reported
Cause of Leak:	UNK

BLDG 4318 (Continued) **S102425380**

Leak Source:	UNK
Global ID:	T0602900809
Stop Date:	5/3/1995
Leak Confirm:	9/6/1995
Submit Workplan:	Not reported
Prelim Assess:	Not reported
Pollution Char:	Not reported
Remed Plan:	Not reported
Remed Action:	Not reported
Monitoring:	Not reported
Close Date:	11/5/1998
Discovered:	9/6/1995
Enforce Date:	1/1/1965
Review Date:	10/26/1995
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
MTBE class:	*
Max MTBE Grnd Wtr:	Not reported
Max MTBE Soil:	Not reported
MTBE Counts:	0
MTBE Fuel:	1
MTBE Tested:	NT
Organization Name:	Not reported
Status:	Case Closed
Contact:	Not reported
Interim Action:	Not reported
Pilot Program:	DOD
Lat/Long:	34.9208381 / -117.9030945
Staff Initials:	ETL
Local Agency Staff:	SBC
Lead Agency:	Local Agency
Summary:	Not reported
Basin Number:	UNNAMED BASIN
Beneficial:	Not reported
Priority:	Not reported
UST Cleanup Fund ID:	Not reported
Suspended:	Not reported
Local Case Number:	570133
Amount:	Not reported
Abate Method:	Unknown - action taken at site is unknown
Water System:	Not reported
Well Name:	Not reported
Distance:	18122.93748
Wst Disch Reqrmnt Global ID:	Not reported
Wst Disch Reqrmnt Name:	Not reported

HIST CORTESE:

edr_fname:	BLDG 4318
edr_fadd1:	NORTHBASE
City,State,Zip:	EDWARDS AFB, CA 93524
Region:	CORTESE
Facility County Code:	15
Reg By:	LTNKA
Reg Id:	6B1500011T

662
SSE
> 1
1.373 mi.
7247 ft.

CALIFORNIA CITY CLEAN UP SITE #2
20890 HACIENDA BLVD
CALIFORNIA CITY, CA 93505

SWF/LF **U001586282**
HIST UST **N/A**

Actual:
2366 ft.

Focus Map:
20

SWF/LF (SWIS):

Name:	CALIFORNIA CITY CLEAN UP SITE #2
Address:	20890 HACIENDA BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
Region:	STATE
Facility ID:	15-AA-0409
SWIS Number:	15-AA-0409
Point of Contact:	Christine Karl
Is Archived:	Yes
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	Kern
SWRCB Region:	Lahontan
Local Government:	California City
Reporting Agency Legal Name:	County of Kern
Reporting Agency Department:	Environmental Health Division
Enforcing Agency Legal Name:	County of Kern
Enforcing Agency Department:	Environmental Health Division
Regulation Status:	Notification

Operator:

SWIS Number:	15-AA-0409
Site Name:	California City Clean Up Site #2
Site Operational Status:	Closed
Site Type:	Non-Disposal Only
Site Regulatory Status:	Notification
Latitude:	35.12426
Longitude:	-117.95901
Is Archived:	Yes
Operator:	City of California City
Started On:	2/12/2019
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	(661) 433-5773
Street Address:	21000 Hacienda Blvd
Operator City:	Calfornia City
Operator State:	CA
Operator Zip:	93505

Waste:

SWIS Number:	15-AA-0409
Site Name:	California City Clean Up Site #2
Activity:	Limited Volume Transfer Operation
Waste Type:	Mixed municipal
Site Is Archived:	Yes
Site Operational Status:	Closed

CALIFORNIA CITY CLEAN UP SITE #2 (Continued) **U001586282**

Site Regulatory Status:	Notification
Site Type:	Non-Disposal Only
Point of Contact:	Christine Karl
Activity Is Archived:	Yes
Activity Operational Status:	Closed
Activity Regulatory Status:	Notification
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Operation

HIST UST:

Name:	CALIFORNIA CITY FIRE DEPARTMEN
Address:	20890 HACIENDA BLVD
City,State,Zip:	CALIFORNIA CITY, CA 93505
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000000925
Facility Type:	Other
Other Type:	CITY
Contact Name:	DAVID CRANDELL, FIRE CHIEF
Telephone:	6193738661
Owner Name:	CITY OF CALIFORNIA CITY
Owner Address:	21000 HACIENDA BOULEVARD
Owner City,St,Zip:	CALIFORNIA CITY, CA 93505
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1969
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	Stock Inventor

CQ663 **US BORAX INC** **ENVIROSTOR** **S118757538**
North **HIGHWAY 58** **CERS** **N/A**
> 1 **BORON, CA 93516**
1.388 mi.
7327 ft. **Site 1 of 2 in cluster CQ**

Actual:
2411 ft.

Focus Map:
42

ENVIROSTOR:

Name:	US BORAX INC
Address:	HIGHWAY 58
City,State,Zip:	BORON, CA 935160000
Facility ID:	80001552
Status:	No Action Required
Status Date:	01/16/1990
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported

US BORAX INC (Continued) **S118757538**

Supervisor: * Unknown
Division Branch: Cleanup Sacramento
Assembly: 36
Senate: 16
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 35.03414
Longitude: -117.7008
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD008323255
Alias Type: EPA Identification Number
Alias Name: 15280001
Alias Type: Envirostor ID Number
Alias Name: 80001552
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Interim Measures Questionnaire
Completed Date: 03/31/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 11/16/1992
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:
Name: US BORAX INC
Address: HIGHWAY 58
City,State,Zip: BORON, CA 935160000
Site ID: 198783
CERS ID: 80001552
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: Eric Jones
Entity Title: Not reported
Affiliation Address: 14486 BORAX ROAD

US BORAX INC (Continued) **S118757538**

Affiliation City: BORON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93516
Affiliation Phone: 7607627313

Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Owner
Entity Name: US Borax Inc
Entity Title: Not reported
Affiliation Address: 8501 E MAPLEWOOD AVE BUILDING 4
Affiliation City: GREENWOOD VILLAGE
Affiliation State: CO
Affiliation Country: Not reported
Affiliation Zip: 801110000
Affiliation Phone: 3036430400

Name: US BORAX INC
Address: HIGHWAY 58
City,State,Zip: BORON, CA 935160000
Site ID: 198783
CERS ID: CAD008323255
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Contact
Entity Name: Eric Jones
Entity Title: Not reported
Affiliation Address: 14486 BORAX ROAD
Affiliation City: BORON
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93516
Affiliation Phone: 7607627313

Affiliation Type Desc: Supervisor
Entity Name: * Unknown
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Owner
Entity Name: US Borax Inc
Entity Title: Not reported

US BORAX INC (Continued) **S118757538**

Affiliation Address: 8501 E MAPLEWOOD AVE BUILDING 4
Affiliation City: GREENWOOD VILLAGE
Affiliation State: CO
Affiliation Country: Not reported
Affiliation Zip: 801110000
Affiliation Phone: 3036430400

CQ664 **US BORAX INC** **HAZNET** **S112999294**
North **HIGHWAY 58** **HWP** **N/A**
> 1 **BORON, CA 93516** **HWTS**
1.388 mi.
7330 ft. **Site 2 of 2 in cluster CQ**

Actual:
2411 ft.

Focus Map:
42

HAZNET:
Name: US BORAX INC
Address: HIGHWAY 58
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
Contact: LARRY TUDOR
Telephone: 3105225332
Mailing Name: Not reported
Mailing Address: 14486 BORAX RD

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 89.07840

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: ARD981057870
CA Waste Code: 352 - Other organic solids
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.03350

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: NVT330010000
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 28.04320

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: CAT080013352
CA Waste Code: 221 - Waste oil and mixed oil
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.00000

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: AZD081705402

US BORAX INC (Continued) **S112999294**

CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 2.29100

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: ARD981057870
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.16000

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: ARD981057870
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.02750

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: AZD081705402
CA Waste Code: 122 - Alkaline solution without metals pH >= 12.5
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 9.79950

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: ARD981057870
CA Waste Code: 791 - Liquids with pH <= 2
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 5.21250

Year: 2019
Gepaid: CAD008323255
TSD EPA ID: AZD081705402
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.68400

Click this hyperlink while viewing on your computer to access
489 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2008
Gen EPA ID: CAD008323255

Shipment Date: 20081105
Creation Date: 3/31/2009 18:30:08
Receipt Date: 20081105
Manifest ID: 000250763FLE
Trans EPA ID: CAT000624247
Trans Name: MP ENVIRONMENTAL SERVICES

US BORAX INC (Continued) **S112999294**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081105
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081105
Manifest ID:	000250763FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081105
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081105
Manifest ID:	000250763FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste

US BORAX INC (Continued) **S112999294**

RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081105
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081105
Manifest ID:	000250763FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081105
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081105
Manifest ID:	000250764FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081105
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081105
Manifest ID:	000250764FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081014
Creation Date:	12/10/2008 18:30:25
Receipt Date:	20081014
Manifest ID:	000250756FLE
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	6.3
Waste Quantity:	1500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20080923
Creation Date:	11/14/2008 18:30:18

US BORAX INC (Continued) **S112999294**

Receipt Date:	20080930
Manifest ID:	004417792JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080923
Creation Date:	3/9/2009 18:30:09
Receipt Date:	20081009
Manifest ID:	004417793JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	CAR000074096
Trans 2 Name:	ERT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY (BEATTY NV)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20080923
Creation Date:	3/9/2009 18:30:09
Receipt Date:	20081009
Manifest ID:	004417793JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	CAR000074096
Trans 2 Name:	ERT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY (BEATTY NV)

US BORAX INC (Continued) **S112999294**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD008323255
Shipment Date:	20041216
Creation Date:	3/13/2007 18:30:42
Receipt Date:	20041216
Manifest ID:	95837841
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	NON
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.375
Waste Quantity:	2750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041216
Creation Date:	3/13/2007 18:30:42
Receipt Date:	20041216
Manifest ID:	95837841
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NON

US BORAX INC (Continued) **S112999294**

Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041027
Creation Date:	1/14/2005 10:18:48
Receipt Date:	20041027
Manifest ID:	95837821
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041027
Creation Date:	1/14/2005 10:18:48
Receipt Date:	20041027
Manifest ID:	95837821
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20041027
Creation Date:	1/14/2005 10:18:48
Receipt Date:	20041027
Manifest ID:	95837821
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041027
Creation Date:	1/14/2005 10:18:48
Receipt Date:	20041027
Manifest ID:	95837821
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NON
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20041013
Creation Date:	12/31/2004 18:30:54
Receipt Date:	20041014
Manifest ID:	95837820
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420

US BORAX INC (Continued) **S112999294**

Trans Name:	EVERGREEN ENVIRONMENTAL SERV
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	NON
Meth Code:	R01 - Recycler
Quantity Tons:	5.04
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040806
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040806
Manifest ID:	95837817
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	341 - Organic liquids (nonsolvents) with halogens
RCRA Code:	NON
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040806
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040806
Manifest ID:	95837817
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	NON
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.2
Waste Quantity:	2400
Quantity Unit:	P

US BORAX INC (Continued) **S112999294**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040712
Creation Date:	1/4/2005 18:32:14
Receipt Date:	20040712
Manifest ID:	95837815
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	792 - Not reported
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAD008323255
Shipment Date:	20141125
Creation Date:	5/18/2015 22:15:16
Receipt Date:	20141224
Manifest ID:	007893398FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20141125
Creation Date:	6/25/2015 22:16:11
Receipt Date:	20141216
Manifest ID:	007893409FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENV INC - HOUSTON (S07)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H129 - Other Treatment
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141125
Creation Date:	6/25/2015 22:16:11
Receipt Date:	20141216
Manifest ID:	007893409FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENV INC - HOUSTON (S07)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	512 - Other empty containers 30 gallons or more
RCRA Code:	Not reported
Meth Code:	H129 - Other Treatment
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141125
Creation Date:	5/18/2015 22:15:16
Receipt Date:	20141224
Manifest ID:	007893398FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	ARD069748192

US BORAX INC (Continued) **S112999294**

Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141105
Creation Date:	8/31/2015 22:15:49
Receipt Date:	20141105
Manifest ID:	007131901FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY - BEATTY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.84
Waste Quantity:	8
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141006
Creation Date:	3/31/2015 22:15:05
Receipt Date:	20141104
Manifest ID:	007156729FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENV INC - HOUSTON (S07)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01

US BORAX INC (Continued) **S112999294**

Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141006
Creation Date:	3/31/2015 22:15:05
Receipt Date:	20141104
Manifest ID:	007156729FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	TXD055135388
Trans Name:	SET ENV INC - HOUSTON (S07)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20140904
Creation Date:	2/9/2015 22:15:16
Receipt Date:	20140908
Manifest ID:	007706405FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	F002
Additional Code 3:	D018
Additional Code 4:	D001
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20140904
Creation Date:	2/9/2015 22:15:16
Receipt Date:	20140908
Manifest ID:	007706405FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.38
Waste Quantity:	760
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20140904
Creation Date:	2/9/2015 22:15:16
Receipt Date:	20140908
Manifest ID:	007706405FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D040
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.048
Waste Quantity:	96
Quantity Unit:	P
Additional Code 1:	D039
Additional Code 2:	D035
Additional Code 3:	D008
Additional Code 4:	D001
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD008323255

Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20934176

US BORAX INC (Continued) **S112999294**

Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.0225
Waste Quantity:	45
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20934176
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20934176
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

US BORAX INC (Continued) **S112999294**

RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20934176
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20934176
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 5:	Not reported
Shipment Date:	Not reported
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20934176
Trans EPA ID:	SCR000074591
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD059494310
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021213
Creation Date:	3/30/2003 18:31:13
Receipt Date:	20021216
Manifest ID:	95837775
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.68
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20021213
Creation Date:	3/30/2003 18:31:13
Receipt Date:	20021216
Manifest ID:	95837775
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

US BORAX INC (Continued) **S112999294**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021213
Creation Date:	3/30/2003 18:31:13
Receipt Date:	20021216
Manifest ID:	95837775
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20021212
Creation Date:	3/27/2003 18:31:27
Receipt Date:	20021213
Manifest ID:	95837778
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	25.2

US BORAX INC (Continued) **S112999294**

Waste Quantity:	6000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD008323255
Shipment Date:	20001220
Creation Date:	3/5/2001 0:00:00
Receipt Date:	20001220
Manifest ID:	95837724
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.226
Waste Quantity:	530
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001129
Creation Date:	1/12/2001 0:00:00
Receipt Date:	20001130
Manifest ID:	95837723
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981696420
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.5284
Waste Quantity:	602
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001116
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001116
Manifest ID:	95837722
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.751
Waste Quantity:	655
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001005
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20001005
Manifest ID:	95837742
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	4.2
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000824
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000824
Manifest ID:	95837717
Trans EPA ID:	CAD982413262
Trans Name:	Not reported

US BORAX INC (Continued) **S112999294**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.36
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000822
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000824
Manifest ID:	95837720
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000822
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000824
Manifest ID:	95837720
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill

US BORAX INC (Continued) **S112999294**

Quantity Tons:	10.5
Waste Quantity:	21000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000801
Creation Date:	9/25/2000 0:00:00
Receipt Date:	20000801
Manifest ID:	95837716
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD088504881
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000801
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000801
Manifest ID:	95837715
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20000801
Creation Date:	11/14/2000 0:00:00
Receipt Date:	20000801
Manifest ID:	95837715
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD008323255

Shipment Date:	19951101
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951102
Manifest ID:	92868532
Trans EPA ID:	CAL000027724
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.05
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868526
Trans EPA ID:	CAD981685886

US BORAX INC (Continued) **S112999294**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868529
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868528
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported

US BORAX INC (Continued) **S112999294**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868528
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U080
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0015
Waste Quantity:	3
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868528
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D009
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.001
Waste Quantity:	2
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868527
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	U012
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.0005
Waste Quantity:	1
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868527
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868527
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850

US BORAX INC (Continued) **S112999294**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19951025
Creation Date:	7/26/1996 0:00:00
Receipt Date:	19951025
Manifest ID:	92868527
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAD008323255

Shipment Date:	20131213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006725720FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	ARR000016733
Trans 2 Name:	RINECO TRANSPORT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002

US BORAX INC (Continued) **S112999294**

Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006725720FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	ARR000016733
Trans 2 Name:	RINECO TRANSPORT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006725720FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	ARR000016733
Trans 2 Name:	RINECO TRANSPORT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	U122
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20131213
Creation Date:	5/20/2014 22:14:51
Receipt Date:	20140101
Manifest ID:	006725720FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	ARR000016733
Trans 2 Name:	RINECO TRANSPORT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D002
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131213
Creation Date:	5/24/2014 22:15:13
Receipt Date:	20140110
Manifest ID:	006725721FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES INC
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D003
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0065
Waste Quantity:	13
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131213
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006725720FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	ARR000016733
Trans 2 Name:	RINECO TRANSPORT
TSDF EPA ID:	ARD069748192

US BORAX INC (Continued) **S112999294**

Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.009
Waste Quantity:	18
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	5/20/2014 22:14:51
Receipt Date:	20140101
Manifest ID:	006725720FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	ARR000016733
Trans 2 Name:	RINECO TRANSPORT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20131217
Manifest ID:	006725719FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2625
Waste Quantity:	525
Quantity Unit:	P

US BORAX INC (Continued) **S112999294**

Additional Code 1:	F003
Additional Code 2:	F002
Additional Code 3:	D018
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20131217
Manifest ID:	006725719FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131213
Creation Date:	5/14/2014 22:15:13
Receipt Date:	20131217
Manifest ID:	006725719FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD008323255

US BORAX INC (Continued) **S112999294**

Shipment Date:	19961212
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961212
Manifest ID:	92868535
Trans EPA ID:	CAL000027724
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.365
Waste Quantity:	325
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19961126
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961126
Manifest ID:	92868534
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19961126
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961126
Manifest ID:	92868533
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850

US BORAX INC (Continued) **S112999294**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.34
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961126
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961126
Manifest ID:	92868533
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961126
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961126
Manifest ID:	92868533
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P

US BORAX INC (Continued) **S112999294**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961126
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961126
Manifest ID:	92868534
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.0469
Waste Quantity:	950
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961118
Creation Date:	5/21/1997 0:00:00
Receipt Date:	19961126
Manifest ID:	96558591
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19961018
Creation Date:	9/12/1997 0:00:00
Receipt Date:	19961025

US BORAX INC (Continued) **S112999294**

Manifest ID:	96116023
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19961018
Creation Date:	9/12/1997 0:00:00
Receipt Date:	19961025
Manifest ID:	96116023
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19961018
Creation Date:	9/12/1997 0:00:00
Receipt Date:	19961025
Manifest ID:	96116023
Trans EPA ID:	CAD081157166
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

US BORAX INC (Continued) **S112999294**

Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.0208
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAD008323255
Shipment Date:	20101201
Creation Date:	5/20/2011 18:30:13
Receipt Date:	20101201
Manifest ID:	000250823FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	20
Waste Quantity:	20
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101130
Creation Date:	4/27/2011 18:30:07
Receipt Date:	20101130
Manifest ID:	000250824FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

US BORAX INC (Continued) **S112999294**

Quantity Tons:	8.55
Waste Quantity:	17100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101110
Creation Date:	1/12/2011 18:30:24
Receipt Date:	20101122
Manifest ID:	006608193JJK
Trans EPA ID:	CAL000190758
Trans Name:	JANUS CORPORATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.21
Waste Quantity:	420
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101108
Creation Date:	4/22/2011 18:30:28
Receipt Date:	20101108
Manifest ID:	000250801FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	18
Waste Quantity:	18
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 5:	Not reported
Shipment Date:	20101004
Creation Date:	3/3/2011 18:30:18
Receipt Date:	20101007
Manifest ID:	003219506FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101004
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	003219506FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20101004
Creation Date:	3/3/2011 18:30:18
Receipt Date:	20101007
Manifest ID:	003219506FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported

US BORAX INC (Continued) **S112999294**

Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101004
Creation Date:	3/3/2011 18:30:18
Receipt Date:	20101007
Manifest ID:	003219506FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.1
Waste Quantity:	2200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101004
Creation Date:	3/3/2011 18:30:18
Receipt Date:	20101007
Manifest ID:	003219506FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.748

US BORAX INC (Continued) **S112999294**

Waste Quantity:	220
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100923
Creation Date:	2/10/2011 18:30:08
Receipt Date:	20100923
Manifest ID:	000250825FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	Not reported
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	18
Waste Quantity:	18
Quantity Unit:	T
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD008323255
Shipment Date:	19991214
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991214
Manifest ID:	95837705
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.31
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991122
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991123
Manifest ID:	95837703
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991122
Creation Date:	2/1/2000 0:00:00
Receipt Date:	19991123
Manifest ID:	95837704
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD088504881
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991122
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991123
Manifest ID:	95837703
Trans EPA ID:	CAD981685886

US BORAX INC (Continued) **S112999294**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991122
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991123
Manifest ID:	95837703
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.476
Waste Quantity:	140
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991122
Creation Date:	2/15/2000 0:00:00
Receipt Date:	19991123
Manifest ID:	95837703
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD050806850
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001

US BORAX INC (Continued) **S112999294**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991108
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991109
Manifest ID:	95837702
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	3.75
Waste Quantity:	7500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19991108
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991109
Manifest ID:	95837702
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	19991102
Creation Date:	12/17/1999 0:00:00
Receipt Date:	19991102
Manifest ID:	97201571
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981696420
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	20.52
Waste Quantity:	5400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991021
Creation Date:	12/17/1999 0:00:00
Receipt Date:	19991021
Manifest ID:	95837697
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD981696420
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.52
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD008323255

Shipment Date:	20151201
Creation Date:	2/4/2016 22:15:36
Receipt Date:	20151207
Manifest ID:	004791421SKS
Trans EPA ID:	TXR000081205

US BORAX INC (Continued) **S112999294**

Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446882
Trans Name:	SAFETY-KLEEN OF CALIFORNIA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.502
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:28
Receipt Date:	20151020
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D040
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D035
Additional Code 3:	D008
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals

US BORAX INC (Continued) **S112999294**

RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS

US BORAX INC (Continued) **S112999294**

Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.925
Waste Quantity:	1850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported

US BORAX INC (Continued) **S112999294**

Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD008323255
Shipment Date:	20061205
Creation Date:	3/30/2007 13:34:23
Receipt Date:	20061205
Manifest ID:	000250725FLE
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.94
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061121
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061121
Manifest ID:	000250709FLE
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2

US BORAX INC (Continued) **S112999294**

Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061121
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061121
Manifest ID:	000250709FLE
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.08
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061121
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061121
Manifest ID:	000250709FLE
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.76
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20061121
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061121
Manifest ID:	000250709FLE
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20061121
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061121
Manifest ID:	000250711FLE
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20061121
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061121
Manifest ID:	000250711FLE
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported

US BORAX INC (Continued) **S112999294**

Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.34
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20061121
Creation Date:	7/6/2007 18:30:05
Receipt Date:	20061121
Manifest ID:	000250711FLE
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060816
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060816
Manifest ID:	95837881
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported

US BORAX INC (Continued) **S112999294**

Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20060816
Creation Date:	9/27/2006 18:35:31
Receipt Date:	20060816
Manifest ID:	95837881
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1
Waste Quantity:	2000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2017
Gen EPA ID:	CAD008323255
Shipment Date:	20171213
Creation Date:	8/3/2018 18:30:42
Receipt Date:	20171213
Manifest ID:	006323101SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446882
Trans Name:	SAFETY-KLEEN OF CALIFORNIA INC - FRESNO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.5854
Waste Quantity:	620
Quantity Unit:	G

US BORAX INC (Continued) **S112999294**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171030
Creation Date:	5/30/2018 18:33:39
Receipt Date:	20171102
Manifest ID:	016278479JJK
Trans EPA ID:	CAR000148338
Trans Name:	AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.475
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171030
Creation Date:	8/12/2018 18:30:07
Receipt Date:	20171102
Manifest ID:	016278481JJK
Trans EPA ID:	CAR000148338
Trans Name:	AMERICAN INTEGRATED SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.475
Waste Quantity:	125
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171026

US BORAX INC (Continued) **S112999294**

Creation Date:	10/5/2018 18:30:14
Receipt Date:	20171102
Manifest ID:	010974138FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171026
Creation Date:	10/5/2018 18:30:14
Receipt Date:	20171102
Manifest ID:	010974138FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	D005
Additional Code 3:	D001
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20171026
Creation Date:	10/5/2018 18:30:14
Receipt Date:	20171102
Manifest ID:	010974138FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO

US BORAX INC (Continued) **S112999294**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.3625
Waste Quantity:	2725
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171026
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010974138FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171026
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010974138FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P

US BORAX INC (Continued) **S112999294**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171026
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	010974138FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.825
Waste Quantity:	1650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171026
Creation Date:	10/5/2018 18:30:14
Receipt Date:	20171102
Manifest ID:	010974138FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.4675
Waste Quantity:	935
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007

US BORAX INC (Continued) **S112999294**

Gen EPA ID:	CAD008323255
Shipment Date:	20071119
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071120
Manifest ID:	000250737FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	8
Waste Quantity:	16000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071119
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071120
Manifest ID:	000250737FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071119
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071120
Manifest ID:	000250737FLE
Trans EPA ID:	CAT000624247

US BORAX INC (Continued) **S112999294**

Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071119
Creation Date:	4/22/2008 18:30:08
Receipt Date:	20071120
Manifest ID:	000250737FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071105
Creation Date:	1/25/2008 18:30:33
Receipt Date:	20071105
Manifest ID:	000250736FLE
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

US BORAX INC (Continued) **S112999294**

Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	4.2
Waste Quantity:	1000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070920
Creation Date:	12/28/2007 18:30:53
Receipt Date:	20070926
Manifest ID:	002383746JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002383744JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY (BEATTY NV)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070920
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002383744JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY (BEATTY NV)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070920
Creation Date:	12/28/2007 18:30:53
Receipt Date:	20070926
Manifest ID:	002383746JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D003
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070920
Creation Date:	12/28/2007 18:30:53

US BORAX INC (Continued) **S112999294**

Receipt Date:	20070926
Manifest ID:	002383746JJK
Trans EPA ID:	CAR000175422
Trans Name:	WORLDWIDE RECOVERY SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD008323255
Shipment Date:	19971218
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971222
Manifest ID:	92868545
Trans EPA ID:	CAL000027724
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971107
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971112
Manifest ID:	92868549
Trans EPA ID:	CAL000027724
Trans Name:	Not reported

US BORAX INC (Continued) **S112999294**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.945
Waste Quantity:	225
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971106
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971106
Manifest ID:	92868547
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.5
Waste Quantity:	5000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971106
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971106
Manifest ID:	92868547
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station

US BORAX INC (Continued) **S112999294**

Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971106
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971106
Manifest ID:	92868547
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	9.52
Waste Quantity:	2800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19971106
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971106
Manifest ID:	92868548
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	F002
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.2935
Waste Quantity:	550
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	19971106
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971106
Manifest ID:	92868548
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.9836
Waste Quantity:	1800
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971106
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971106
Manifest ID:	92868548
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.6061
Waste Quantity:	550
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971106
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971106
Manifest ID:	92868547
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850

US BORAX INC (Continued) **S112999294**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	5.44
Waste Quantity:	1600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19971106
Creation Date:	3/18/1998 0:00:00
Receipt Date:	19971106
Manifest ID:	92868544
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD008323255

Shipment Date:	20031215
Creation Date:	8/13/2004 7:53:20
Receipt Date:	20031215
Manifest ID:	95837800
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001

US BORAX INC (Continued) **S112999294**

Meth Code:	H01 - Transfer Station
Quantity Tons:	0.175
Waste Quantity:	350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031215
Creation Date:	8/13/2004 7:53:20
Receipt Date:	20031215
Manifest ID:	95837800
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031215
Creation Date:	8/13/2004 7:53:20
Receipt Date:	20031215
Manifest ID:	95837800
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20031211
Creation Date:	8/30/2004 14:52:16
Receipt Date:	20031211
Manifest ID:	95837802
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	5.04
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031113
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031113
Manifest ID:	95837799
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20031113
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031113
Manifest ID:	95837799
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

US BORAX INC (Continued) **S112999294**

Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031021
Creation Date:	8/4/2004 18:30:55
Receipt Date:	20031022
Manifest ID:	95837798
Trans EPA ID:	CAD982413262
Trans Name:	EVERGREEN ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	EVERGREEN ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	4.62
Waste Quantity:	1100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031003
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031003
Manifest ID:	95837797
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	725 - Liquids with mercury > 20 mg/l
RCRA Code:	D009
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0085
Waste Quantity:	17
Quantity Unit:	P

US BORAX INC (Continued) **S112999294**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031003
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031003
Manifest ID:	95837797
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.7
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031003
Creation Date:	8/5/2004 10:07:02
Receipt Date:	20031003
Manifest ID:	95837797
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	CLEAN HARBORS ENVIRONMENTAL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.7
Waste Quantity:	7400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD008323255

US BORAX INC (Continued) **S112999294**

Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051229
Manifest ID:	95837862
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.72975
Waste Quantity:	175
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051229
Manifest ID:	95837861
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051229
Manifest ID:	95837861
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000

US BORAX INC (Continued) **S112999294**

Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051229
Manifest ID:	95837861
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051229
Manifest ID:	95837861
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P

US BORAX INC (Continued) **S112999294**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051228
Creation Date:	3/22/2006 18:32:18
Receipt Date:	20051229
Manifest ID:	95837862
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051010
Creation Date:	5/24/2006 18:31:13
Receipt Date:	20051010
Manifest ID:	95837859
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051010
Creation Date:	5/24/2006 18:31:13
Receipt Date:	20051010

US BORAX INC (Continued) **S112999294**

Manifest ID:	95837860
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051010
Creation Date:	5/24/2006 18:31:13
Receipt Date:	20051010
Manifest ID:	95837859
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.782
Waste Quantity:	230
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051010
Creation Date:	5/24/2006 18:31:13
Receipt Date:	20051010
Manifest ID:	95837859
Trans EPA ID:	CAR000056630
Trans Name:	PACIFIC TECHNICAL SERVICE
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

US BORAX INC (Continued) **S112999294**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.4
Waste Quantity:	800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2011
Gen EPA ID:	CAD008323255
Shipment Date:	20111129
Creation Date:	6/27/2012 20:30:08
Receipt Date:	20111203
Manifest ID:	004689729FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.19
Waste Quantity:	350
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111129
Creation Date:	6/27/2012 20:30:08
Receipt Date:	20111203
Manifest ID:	004689769FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400

US BORAX INC (Continued) **S112999294**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111129
Creation Date:	6/27/2012 20:30:08
Receipt Date:	20111203
Manifest ID:	004689729FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111129
Creation Date:	6/27/2012 20:30:08
Receipt Date:	20111203
Manifest ID:	004689729FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20111117
Creation Date:	4/12/2012 20:30:13

US BORAX INC (Continued) **S112999294**

Receipt Date:	20111117
Manifest ID:	000250807FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	4.275
Waste Quantity:	8550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110726
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20110812
Manifest ID:	004681409FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	LAR000055467
Trans 2 Name:	LEI
TSDF EPA ID:	LA0000365668
Trans Name:	LEI (LAMP ENVIRONMENTAL INDUSTRIES)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01653
Waste Quantity:	15
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20110726
Creation Date:	7/25/2012 18:30:17
Receipt Date:	20110812
Manifest ID:	004681409FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	LAR000055467
Trans 2 Name:	LEI
TSDF EPA ID:	LA0000365668

US BORAX INC (Continued) **S112999294**

Trans Name:	LEI (LAMP ENVIRONMENTAL INDUSTRIES)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.07824
Waste Quantity:	71
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004681057FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004681057FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.5
Waste Quantity:	1000

US BORAX INC (Continued) **S112999294**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110623
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004681057FLE
Trans EPA ID:	OKD981588791
Trans Name:	TRIAD TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.625
Waste Quantity:	3250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAD008323255
Shipment Date:	20151201
Creation Date:	2/4/2016 22:15:36
Receipt Date:	20151207
Manifest ID:	004791421SKS
Trans EPA ID:	TXR000081205
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982446882
Trans Name:	SAFETY-KLEEN OF CALIFORNIA INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	2.502
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	D007
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380

US BORAX INC (Continued) **S112999294**

Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.925
Waste Quantity:	1850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:28
Receipt Date:	20151020
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics

US BORAX INC (Continued) **S112999294**

RCRA Code:	F005
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.475
Waste Quantity:	950
Quantity Unit:	P
Additional Code 1:	F003
Additional Code 2:	F002
Additional Code 3:	D018
Additional Code 4:	D001
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:28
Receipt Date:	20151020
Manifest ID:	008929606FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D040
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.102
Waste Quantity:	30
Quantity Unit:	G
Additional Code 1:	D039
Additional Code 2:	D035
Additional Code 3:	D008
Additional Code 4:	D001
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD008323255
Shipment Date:	20091202
Creation Date:	7/19/2010 18:30:23

US BORAX INC (Continued) **S112999294**

Receipt Date:	20091205
Manifest ID:	002893223FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091202
Creation Date:	7/19/2010 18:30:23
Receipt Date:	20091205
Manifest ID:	002893223FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.187
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20091202
Creation Date:	7/19/2010 18:30:23
Receipt Date:	20091205
Manifest ID:	002893223FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO

US BORAX INC (Continued) **S112999294**

TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.896
Waste Quantity:	1792
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091202
Creation Date:	7/19/2010 18:30:23
Receipt Date:	20091205
Manifest ID:	002893223FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.782
Waste Quantity:	495
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091202
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002893223FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.598
Waste Quantity:	1196
Quantity Unit:	P
Additional Code 1:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091202
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002893223FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.984
Waste Quantity:	1968
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20091202
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	002893223FLE
Trans EPA ID:	KS0000336891
Trans Name:	SAVANNAH TRANSPORT INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.734
Waste Quantity:	1468
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090831
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000250794FLE

US BORAX INC (Continued) **S112999294**

Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090831
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000250794FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	Not reported
Waste Quantity:	400
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20090831
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	000250794FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY NEVADA
TSDF Alt EPA ID:	Not reported

US BORAX INC (Continued) **S112999294**

TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD008323255
Shipment Date:	20011212
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011212
Manifest ID:	95837757
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	3.36
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011130
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011130
Manifest ID:	95837755
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported

US BORAX INC (Continued) **S112999294**

Quantity Tons:	1.5979
Waste Quantity:	1450
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011130
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011130
Manifest ID:	95837755
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011129
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20011129
Manifest ID:	95837754
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20011129
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20011129
Manifest ID:	95837754
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011129
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20011129
Manifest ID:	95837754
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.02
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011129
Creation Date:	2/20/2002 0:00:00
Receipt Date:	20011129
Manifest ID:	95837754
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850

US BORAX INC (Continued) **S112999294**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011017
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011017
Manifest ID:	95837752
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD009007626
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011017
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011017
Manifest ID:	95837751
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD088504881
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D002
Meth Code:	- Not reported
Quantity Tons:	0.125
Waste Quantity:	250
Quantity Unit:	P

US BORAX INC (Continued) **S112999294**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20011004
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011005
Manifest ID:	95837750
Trans EPA ID:	CAR000056630
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	15.428
Waste Quantity:	14000
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD008323255
Shipment Date:	19981217
Creation Date:	2/8/1999 0:00:00
Receipt Date:	19981217
Manifest ID:	92868591
Trans EPA ID:	CAL000027724
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982413262
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.26
Waste Quantity:	300
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	19981117
Creation Date:	1/21/1999 0:00:00
Receipt Date:	19981117
Manifest ID:	92868590
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981117
Creation Date:	1/21/1999 0:00:00
Receipt Date:	19981117
Manifest ID:	92868590
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19981117
Creation Date:	1/21/1999 0:00:00
Receipt Date:	19981117
Manifest ID:	92868590
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850

US BORAX INC (Continued) **S112999294**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981117
Creation Date:	1/21/1999 0:00:00
Receipt Date:	19981117
Manifest ID:	92868590
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.36
Waste Quantity:	400
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19981014
Creation Date:	12/13/2000 0:00:00
Receipt Date:	20001025
Manifest ID:	92868588
Trans EPA ID:	CAD982413262
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD981696420
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.588
Waste Quantity:	140
Quantity Unit:	G

US BORAX INC (Continued) **S112999294**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980730
Creation Date:	9/15/1998 0:00:00
Receipt Date:	19980730
Manifest ID:	92868585
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.5
Waste Quantity:	3000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980723
Creation Date:	10/1/1998 0:00:00
Receipt Date:	19980723
Manifest ID:	92868584
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD088504881
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D006
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0375
Waste Quantity:	75
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980723
Creation Date:	10/20/1998 0:00:00
Receipt Date:	19980723

US BORAX INC (Continued) **S112999294**

Manifest ID:	92868583
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4408
Waste Quantity:	400
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19980723
Creation Date:	10/20/1998 0:00:00
Receipt Date:	19980723
Manifest ID:	92868582
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD050806850
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAD008323255

Shipment Date:	20121030
Creation Date:	4/17/2013 22:15:43
Receipt Date:	20121111
Manifest ID:	004683014FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

US BORAX INC (Continued) **S112999294**

TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.066
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121030
Creation Date:	4/17/2013 22:15:43
Receipt Date:	20121111
Manifest ID:	004683014FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121030
Creation Date:	8/22/2013 22:15:16
Receipt Date:	20121111
Manifest ID:	004682922FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site

US BORAX INC (Continued) **S112999294**

Quantity Tons:	0.34
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121030
Creation Date:	8/22/2013 22:15:16
Receipt Date:	20121111
Manifest ID:	004682922FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121030
Creation Date:	8/22/2013 22:15:16
Receipt Date:	20121111
Manifest ID:	004682922FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.65
Waste Quantity:	3300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

US BORAX INC (Continued) **S112999294**

Shipment Date:	20121030
Creation Date:	8/22/2013 22:15:16
Receipt Date:	20121111
Manifest ID:	004682922FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	1.11
Waste Quantity:	2220
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121004
Creation Date:	4/4/2013 22:15:21
Receipt Date:	20121018
Manifest ID:	004683702FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	LA0000365668
Trans Name:	LEI (LAMP ENVIRONMENTAL INDUSTRIES)
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D009
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120809
Creation Date:	1/15/2013 22:15:15
Receipt Date:	20120809
Manifest ID:	000250809FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

US BORAX INC (Continued) **S112999294**

TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	4.925
Waste Quantity:	9850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120809
Creation Date:	1/15/2013 22:15:15
Receipt Date:	20120809
Manifest ID:	000250809FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120809
Creation Date:	1/15/2013 22:15:15
Receipt Date:	20120809
Manifest ID:	000250809FLE
Trans EPA ID:	CAT000624247
Trans Name:	MP ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

US BORAX INC (Continued) **S112999294**

Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 3.825
Waste Quantity: 7650
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 1994
Gen EPA ID: CAD008323255

Shipment Date: 19941227
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941227
Manifest ID: 92868501
Trans EPA ID: CAD981685886
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD097030993
Trans Name: Not reported
TSDF Alt EPA ID: CAD097030993
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: T01 - Treatment, Tank
Quantity Tons: 8.34
Waste Quantity: 2000
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 19941226
Creation Date: 3/28/1996 0:00:00
Receipt Date: 19941226
Manifest ID: 92868500
Trans EPA ID: CAD981685886
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD097030993
Trans Name: Not reported
TSDF Alt EPA ID: CAD097030993
TSDF Alt Name: Not reported
Waste Code Description: 122 - Alkaline solution without metals (pH > 12.5
RCRA Code: D002
Meth Code: T01 - Treatment, Tank
Quantity Tons: 10.842
Waste Quantity: 2600
Quantity Unit: G
Additional Code 1: Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941222
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941222
Manifest ID:	92835028
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.122
Waste Quantity:	330
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941221
Creation Date:	10/19/1995 0:00:00
Receipt Date:	19941222
Manifest ID:	92835030
Trans EPA ID:	CAT000277741
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	731 - Liquids with polychlorinated biphenyls > 50 mg/l
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	9.2171
Waste Quantity:	8364
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941221
Creation Date:	10/19/1995 0:00:00
Receipt Date:	19941222
Manifest ID:	92835030

US BORAX INC (Continued) **S112999294**

Trans EPA ID:	CAT000277741
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	UTD981552177
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0473
Waste Quantity:	43
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19941219
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941219
Manifest ID:	92835029
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	8.34
Waste Quantity:	2000
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19941215
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941215
Manifest ID:	92835027
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste

US BORAX INC (Continued) **S112999294**

RCRA Code:	Not reported
Meth Code:	D99 - Disposal, Other
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941215
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941215
Manifest ID:	92835027
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	1.3
Waste Quantity:	2600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19941215
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941215
Manifest ID:	92835027
Trans EPA ID:	CAD981685886
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080011059
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080011059
TSDF Alt Name:	Not reported
Waste Code Description:	351 - Organic solids with halogens
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 5:	Not reported
Shipment Date:	19941208
Creation Date:	3/28/1996 0:00:00
Receipt Date:	19941214
Manifest ID:	92835021
Trans EPA ID:	CAD980584510
Trans Name:	Not reported
Trans 2 EPA ID:	CAD981685886
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD067786749
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD067786749
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD008323255
Shipment Date:	19931208
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931208
Manifest ID:	93030982
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD066113465
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3002
Waste Quantity:	72
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931208
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931208

US BORAX INC (Continued) **S112999294**

Manifest ID:	93030982
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD066113465
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.4128
Waste Quantity:	99
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931115
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92832120
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	20
Waste Quantity:	40000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19931110
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931110
Manifest ID:	93031694
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

US BORAX INC (Continued) **S112999294**

Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3169
Waste Quantity:	76
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931110
Creation Date:	9/14/1995 0:00:00
Receipt Date:	19931110
Manifest ID:	93031694
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.3169
Waste Quantity:	76
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931027
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931027
Manifest ID:	92832120
Trans EPA ID:	CAT080011059
Trans Name:	Not reported
Trans 2 EPA ID:	CAD087169686
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	20
Waste Quantity:	40000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

US BORAX INC (Continued) **S112999294**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931013
Creation Date:	9/13/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93093314
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.3627
Waste Quantity:	87
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19931013
Creation Date:	9/13/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	93093314
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	- Not reported
Quantity Tons:	0.2168
Waste Quantity:	52
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930921
Creation Date:	9/12/1995 0:00:00
Receipt Date:	Not reported
Manifest ID:	92832118
Trans EPA ID:	CAD980735310
Trans Name:	Not reported

US BORAX INC (Continued) **S112999294**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19930915
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19930915
Manifest ID:	93077385
Trans EPA ID:	ILD984908202
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD066113465
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD066113465
TSDF Alt Name:	Not reported
Waste Code Description:	741 - Liquids with halogenated organic compounds > 1000 mg/l
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.5754
Waste Quantity:	138
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWP:

EPA ID:	CAD008323255
Name:	US BORAX INC
Address:	HIGHWAY 58
Cleanup Status:	PROTECTIVE FILER
Latitude:	35.03414
Longitude:	-117.7008
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	16
Assembly District:	36
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported

US BORAX INC (Continued) **S112999294**

Quarterly Update: US Borax Inc submitted a Part A on 11/10/1980. They were later found to be exempt from RCRA permit requirements, as described in their 11/08/1983 letter, due to an amendment for ores and minerals. They requested the withdrawal of their permit application which the Environmental Protection Agency approved on 08/22/1983. They now operate as a Hazardous Waste Generator.
Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: Not reported
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: 51-55%
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAD008323255
Facility Type: Historical - Non-Operating
Facility Name: US BORAX INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: Protective Filer Status
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: Not reported
Title Description: Not reported
Due Date: Not reported
Comments: Facility operates as a generator.
Unit Names: Unit1
Event Description: Protective Filer Status - PROTECTIVE FILER (APPROVED)
Actual Date: 08/22/1983

EPA ID: CAD008323255
Facility Type: Historical - Non-Operating
Facility Name: US BORAX INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: Protective Filer Status
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: Not reported
Type: Not reported
Title Description: Not reported
Due Date: Not reported
Comments: Facility operates as a generator.
Unit Names: Unit1
Event Description: Protective Filer Status - PROTECTIVE FILER (RECEIVED)
Actual Date: 08/11/1983

EPA ID: CAD008323255
Facility Type: Historical - Non-Operating
Facility Name: US BORAX INC

US BORAX INC (Continued) **S112999294**

Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-08-22 00:00:00
Type: RCRA
Title Description: Permit
Due Date: Not reported
Comments: Facility operates as a generator.
Unit Names: Unit1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 08/22/1983

EPA ID: CAD008323255
Facility Type: Historical - Non-Operating
Facility Name: US BORAX INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: PROTECTIVE FILER
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1983-08-22 00:00:00
Type: RCRA
Title Description: Permit
Due Date: Not reported
Comments: Not reported
Unit Names: Unit1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/10/1980

Alias:
EPA ID: CAD008323255
Facility Type: Historical - Non-Operating
Facility Name: US BORAX INC
Facility Status: PROTECTIVE FILER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Envirostor ID Number
Alias: 15280001

HWTS:
Name: US BORAX INC
Address: HIGHWAY 58
Address 2: Not reported
City,State,Zip: BORON, CA 935160000
EPA ID: CAD008323255
Inactive Date: Not reported
Create Date: 07/23/1982
Last Act Date: 07/16/2020

US BORAX INC (Continued) **S112999294**

Mailing Name:	Not reported
Mailing Address:	14486 BORAX RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	BORON, CA 935160000
Owner Name:	US BORAX INC
Owner Address:	14486 BORAX RD
Owner Address 2:	Not reported
Owner City,State,Zip:	BORON, CA 935160000
Contact Name:	LARRY TUDOR
Contact Address:	14486 BORAX ROAD
Contact Address 2:	Not reported
City,State,Zip:	BORON, CA 93516

NAICS:

EPA ID:	CAD008323255
Create Date:	2002-03-14 16:36:26.000
NAICS Code:	212391
NAICS Description:	Potash, Soda, and Borate Mineral Mining
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	Not reported
Facility Name:	US BORAX INC
Facility Address:	HIGHWAY 58
Facility Address 2:	Not reported
Facility City:	BORON
Facility County:	Not reported
Facility State:	CA
Facility Zip:	935160000

CR665 **NASA ARMSTRONG FLIGHT RESEARCH CENTER** **ICE** **S109467253**
SSE **BLDG 4800 EDWARDS AFB** **HWP** **N/A**
> 1 **EDWARDS AFB, CA 93523**
1.564 mi.
8260 ft. **Site 1 of 2 in cluster CR**

Actual:
2299 ft.

Focus Map:
57

ICE:

Envirostor ID:	3001924
Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Address:	BLDG 4800 EDWARDS AFB
City,State,Zip:	EDWARDS AFB, CA 93523
EPA ID:	CA9800005036
Site Type:	INSPECTION
Facility Status:	No Action

Inspection:

Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	02/05/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Post-Closure
Action Date:	11/18/2003
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	06/27/2000
Violation Class:	No Violations
RTC Date:	Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 03/04/2008
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 09/15/2004
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date: 12/12/2005
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 11/08/2001
Violation Class: No Violations
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Post-Closure
Action Date: 11/21/2002
Violation Class: No Violations
RTC Date: Not reported

HWP:
EPA ID: CA9800005036
Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Address: BLDG 4800 EDWARDS AFB
Cleanup Status: CLOSED
Latitude: 34.96255
Longitude: -117.8849
Facility Type: Historical - Non-Operating
Facility Size: Not reported
Supervisor: Not reported
Site Code: 100346
Senate District: 16
Assembly District: 36
Public Information Officer: Not reported
Commercial Offsite Facility Types: Not reported
Quarterly Update: NASA - Dryden Flight Research Center (NASA) is a research facility located at Edwards Air Force Base. A hazardous waste facility permit application for the Space Shuttle Fuel Farm Storage Area was submitted April 15, 1983. A hazardous waste storage facility permit was issued July 15, 1984, and renewed effective June 1995 through June 2005. Since Shuttle operations had been fewer than originally planned, the unit had not been used as anticipated. When the permit was to expire NASA began closure rather than to renew the permit. Prior to closure, the facility permit was modified on June 27, 2005 to reduce the sampling and analysis requirements in the Closure Plan section. The Closure Certification Report was submitted to DTSC and approved on June 30, 2006. Additional clarifying language, regarding the disclaimer statement, was added and forwarded to NASA on August 28, 2006. Corrective action for NASA is linked to Edwards Air Force Base by the Federal Facility Agreement (FFA) and RCRA Facility Assessment (RFA). The FFA applies jointly to Edwards Air Force Base and its

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

tenant properties, including NASA. For purposes of the RFA, Edwards Air Force Base was divided into ten Operable Units (OU), which define separate land areas. NASA was designated in the RFA as OU 6.

Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: RCRA
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: 46-50%
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: New Operating Permit - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 02/15/1989

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-27 00:00:00
Type: RCRA
Title Description: Permit renewal - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EXPIRES)
Actual Date: 06/30/2005

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Facility Status:	CLOSED
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1995-06-27 00:00:00
Type:	RCRA
Title Description:	Permit renewal - CONTAIN1
Due Date:	05/21/1995
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	Renewal - No Changes - DRAFT PERMIT RENEWAL
Actual Date:	04/21/1995

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1984-02-15 00:00:00
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	11/15/1982

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1984-02-15 00:00:00
Type:	RCRA
Title Description:	New Operating Permit - CONTAIN1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date:	07/15/1984

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Facility Status: CLOSED
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-27 00:00:00
Type: RCRA
Title Description: Permit renewal - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: Renewal - No Changes - FINAL PERMIT RENEWAL (EFFECTIVE)
Actual Date: 06/27/1995

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EXPIRES)
Actual Date: 02/15/1989

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: Renewal - No Changes
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1995-06-27 00:00:00
Type: RCRA
Title Description: Permit renewal - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: Renewal - No Changes - TECHNICAL COMPLETE LETTER
Actual Date: 04/21/1995

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1984-02-15 00:00:00
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	New Operating Permit - TECHNICAL COMPLETE LETTER
Actual Date:	08/29/1983

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1984-02-15 00:00:00
Type:	RCRA
Title Description:	New Operating Permit - CONTAIN1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	09/28/1983

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1995-06-27 00:00:00
Type:	RCRA
Title Description:	Permit renewal - CONTAIN1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	Renewal - No Changes - PUBLIC COMMENT (BEGIN)
Actual Date:	04/21/1995

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1984-02-15 00:00:00
Type:	RCRA
Title Description:	New Operating Permit - CONTAIN1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	New Operating Permit - CALL-IN LETTER ISSUED
Actual Date:	11/15/1982

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1984-02-15 00:00:00
Type:	RCRA
Title Description:	Imported 12/2011:PERMIT1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	New Operating Permit - PUBLIC COMMENT (BEGIN)
Actual Date:	09/28/1983

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	CLOSED
Activity Type:	Renewal - No Changes
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	1995-06-27 00:00:00
Type:	RCRA
Title Description:	Permit renewal - CONTAIN1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	Renewal - No Changes - FINAL PERMIT RENEWAL
Actual Date:	06/27/1995

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: New Operating Permit - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 02/15/1984

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: New Operating Permit - CONTAIN1
Due Date: 09/28/1983
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - DRAFT PERMIT
Actual Date: 09/28/1983

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: New Operating Permit - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/15/1983

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: New Operating Permit - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PART A & PART B RECEIVED
Actual Date: 08/29/1983

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART B RECEIVED
Actual Date: 04/15/1983

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: New Operating Permit - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/19/1980

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT
Actual Date: 02/15/1984

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: CLOSED
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1984-02-15 00:00:00
Type: RCRA
Title Description: Imported 12/2011:PERMIT1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: New Operating Permit - FINAL PERMIT (EFFECTIVE)
Actual Date: 07/15/1984

Closure:
EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: Closure Final - CLOSURE PLAN RECEIVED
Actual Date: 04/21/2005

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: Closure Final - RECEIVE CLOSURE CERTIFICATION
Actual Date: 06/23/2006

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED
Activity Type: Closure Final
Final Date: Not reported
Type: RCRA
Title Description: Closure - CONTAIN1
Due Date: Not reported
Comments: Not reported
Unit Names: CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description: Closure Final - CLOSURE PLAN APPROVED
Actual Date: 10/18/2005

EPA ID: CA9800005036
Facility Type: Historical - Non-Operating
Facility Name: NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: CLOSED

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - CONTAIN1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	Closure Final - ISSUE CLOSURE VERIFICATION
Actual Date:	06/30/2006

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - CONTAIN1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	Closure Final - PUBLIC COMMENT (BEGIN)
Actual Date:	08/10/2005

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Final
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure - CONTAIN1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	CONTAIN1-IRP OU 6 SWMU #A4855/1 (GPRA Unit)
Event Description:	Closure Final - PUBLIC COMMENT (END)
Actual Date:	09/09/2005

Alias:

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	Project Code (Site Code)
Alias:	100346

NASA ARMSTRONG FLIGHT RESEARCH CENTER (Continued) **S109467253**

EPA ID:	CA9800005036
Facility Type:	Historical - Non-Operating
Facility Name:	NASA ARMSTRONG FLIGHT RESEARCH CENTER
Facility Status:	CLOSED
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Alias Type:	FRS
Alias:	110018954381

CR666 **NASA - DRYDEN FLIGHT RESEARCH CENTER** **ENVIROSTOR** **1008152487**
SSE **BLDG 4800 EDWARDS AFB** **N/A**
> 1 **EDWARDS AFB, CA 93523**
1.564 mi.
8260 ft. **Site 2 of 2 in cluster CR**

Actual:
2299 ft.

Focus Map:
57

ENVIROSTOR:

Name:	NASA - DRYDEN FLIGHT RESEARCH CENTER
Address:	BLDG 4800 EDWARDS AFB
City,State,Zip:	EDWARDS AFB, CA 935230000
Facility ID:	80001283
Status:	Refer: SMBRP
Status Date:	01/01/2008
Site Code:	100346
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	MBR
Program Manager:	Not reported
Supervisor:	Susan Fears
Division Branch:	Cleanup Legacy Landfills
Assembly:	36
Senate:	16
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.96255
Longitude:	-117.8849
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA9800005036
Alias Type:	EPA Identification Number
Alias Name:	110018954381
Alias Type:	EPA (FRS #)
Alias Name:	100346
Alias Type:	Project Code (Site Code)
Alias Name:	80001283
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

NASA - DRYDEN FLIGHT RESEARCH CENTER (Continued) **1008152487**

Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 09/24/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 12/18/1996
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RCRA Facility Assessment Report
Completed Date: 09/01/1993
Comments: The Expanded Site Investigation/RFA is the parent document for this facility. This RFA consists of 8 volumes (1 through 8). All the CA events relate to NASA DRYDEN deals with OU#6. OU#6 is described in Volume 5 (Appendix E) of the RFA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Human Exposure Controlled
Completed Date: 05/22/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 04/06/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Migration Controlled
Completed Date: 05/22/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Human Exposure Controlled
Schedule Due Date: 06/30/2018
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Remedy Construction Complete
Schedule Due Date: 06/30/2018
Schedule Revised Date: Not reported

Count: 124 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BORON	S127105261	LOVES TRAVEL STOP & COUNTRY STORES INC.	27201 BORON FRONTAGE RD. N	93516	HWTS
BORON	1009218932	DECH DRUMS	KRAMER STATION	93516	SEMS
BORON	1026171527	LOVE'S TRAVEL STOPS #755	27201 BORON FRONTAGE ROAD NORTH	93516	RCRA-SQG
BORON	97381075		BORON STATION		ERNS
BORON	U004312203	LOVE'S TRAVEL STOP # 755	HIGHWAY 58 & BORON RD EXIT 199	93516	UST
BORON	U004330692	LOVE'S TRAVEL STOP # 755	27201 BORON FRONTAGE ROAD NORTH	93516	UST
BORON	A100340377	CARLTON GLOBAL RESOURCES, LLC	27876 E ROSEWOOD	93523	AST
BORON	U001586497	BORON TWR	BORON FEDERAL PRISON	93516	WMUDS/SWAT, HIST UST
BORON	S105652085		HWY 58 AT AMARGO AT SAN BERNARDINO CO LINE		CHMIRS
BORON	S125739883		EB HWY 58 AT BORON REST AREA	93596	CHMIRS
BORON	S106395573		2 MILES NORTHEAST OF HIGHWAY 58 OFFRAMP TO BORON RD.	93516	CHMIRS
BORON	S111753399		AT THE NORTH END BORON AVENUE, CLOSEST CROSS STREET IS HIGHWAY 58	93516	CHMIRS
BORON	S127087532		27201 BORON FRONTAGE RD N // LOVE'S TRAVEL STOP	93516	CHMIRS
BORON	S112826869		MPM 784.8 ON THE MOJAVE SUBDIVISION, CLOSEST CROSS STREET IS BORON ROAD		CHMIRS
BORON	S113473058		SR 58 AT BORON REST AREA		CHMIRS
BORON	S109037065		2 MILES WEST OF BORON		CHMIRS
BORON	S109042215		HWY 58 ON BORON AVE		CHMIRS
BORON	S109044431		MM 783.84, ON THE MOJAVE SUB-DIVISION AT BORON AVENUE.		CHMIRS
BORON	S107452212		JUST EAST OF BORON CROSSING AT MP 783.8		CHMIRS
BORON	S105666179		HWY. 58 AT BORON REST AREA.		CHMIRS
BORON	S117977058		WB HWY 58 NEAR BORON		CHMIRS
BORON	1026488514	LOVES TRAVEL STOP & COUNTRY STORES INC.	27201 BORON FRONTAGE RD. N	93516	RCRA NonGen / NLR
BORON	1024865056	KIEWIT KRAMER JUNCTION	5955 SALTON ROAD	93516	RCRA NonGen / NLR
BORON	1023360509	BORON STP	WEST BORON	93596	FINDS
BORON	1023206323	PARK KNOLLS SUBDIVISION	1 MI NW OF BORON	93596	FINDS
BORON	1023357495	SOUTHERN CALIFORNIA EDISON AMARGO SUBSTATION	ALLEY N/O AMARGO RD. E/O BORON AVE.	93516	FINDS
BORON	1023353914	DESERT LAKE CSD WTF	W OF BORON	93516	FINDS
BORON	1023333382	BORON REST FACILITY	HWY 58 W OF BORON	93516	FINDS
BORON	1025450677	BORON COMMUNITY SERVICES DISTRICT	1.5 MI. WEST OF BORON	93516	FINDS
BORON	1023260301	DEBORD SEPTAGE PONDS	2 MI NORTH OF BORON	93516	FINDS
BORON	1026439721	LOVE'S TRAVEL STOPS #755	27201 BORON FRONTAGE ROAD NORTH	93516	FINDS
BORON	1023218803	BORON CLASS III LANDFILL	5 MI SO OF BORON	93516	FINDS
BORON	1023345486	SOUTHERN CALIFORNIA EDISON HOLGATE SUBSTATION	ON BORAX RD 1/2 MI NORTH OF STATE HIGHWAY 58	93516	FINDS
BORON	1024224966	KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTION PCC BATCH PLANT	5955 SALTON RD	93516	FINDS
BORON	1024152698	KIEWIT KRAMER JUNCTION	5955 SALTON ROAD	93516	FINDS, ECHO
BORON	1026212414	LOVE'S TRAVEL STOPS #755	27201 BORON FRONTAGE ROAD NORTH	93516	ECHO
BORON	1024128558	KIEWIT INFRASTRUCTURE WEST KRAMER JUNCTIO PCC BATCH PLANT	5955 SALTON RD	93516	ECHO

Count: 124 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BORON	S126986187	LOVE'S TRAVEL STOP # 755	27201 BORON FRONTAGE ROAD N		CUPA Listings
BORON	S124455009	BORON COMMUNITY SERVICES DISTRICT	1.5 MI. WEST OF BORON	93516	EMI
BORON	S123777995	1X GEPHART ELEMENTARY SCHOOL	N BORON AVE	93523	HAZNET, HWTS
BORON	S125441982	19142 BORON AVENUE	BORON AVENNUE AT BNSF	93516	NPDES
CALIF CITY	S126106725	CHC HOLDINGS LLC	20000 BUCKNELL ROAD	93505	HWTS
CALIF CITY	1026055859	CHC HOLDINGS LLC	20000 BUCKNELL ROAD	93505	RCRA NonGen / NLR
CALIF CITY	1026416572	CHC HOLDINGS LLC	20000 BUCKNELL ROAD	93505	FINDS
CALIF CITY	1026129840	CHC HOLDINGS LLC	20000 BUCKNELL ROAD	93505	ECHO
CALIFORNIA CITY	2005774549		91ST ST AND CALIFORNIA BLVD		ERNS
CALIFORNIA CITY	S123295586		17093 HACIENDA BLVD.	93505	CDL, CHMIRS
CALIFORNIA CITY	S114001219		NORTH LOOP BLVD BETWEEN HACIENDA AND 90TH STREETS	93505	CHMIRS
CALIFORNIA CITY	S105650969		BEHIND 8140 CALIFORNIA CITY BLVD.	93505	CHMIRS
CALIFORNIA CITY	S105647245		90TH CALIFORNIA CITY BLVD	93505	CHMIRS
CALIFORNIA CITY	S105660829		CHRYSLER RD 1/3 MI NORTH 20 MULE TEAM PARKWAY		CHMIRS
CALIFORNIA CITY	S108401605		SR 14 JNO CALIFORNIA CITY BLVD		CHMIRS
CALIFORNIA CITY	S108405360		91ST ST AND CALIFORNIA BLVD		CHMIRS
CALIFORNIA CITY	1025450758	CITY OF CALIFORNIA CITY PUBLIC WORKS	CALIFORNIA CITY BLVD. & NEURALIA ROAD	93505	FINDS
CALIFORNIA CITY	S112866265	FASTOP FOOD & GAS	601 CALIFORNIA CITY BLVD	93505	CUPA Listings, HAZNET, HWTS
CALIFORNIA CITY	S124454965	CITY OF CALIFORNIA CITY PUBLIC WORKS	CALIFORNIA CITY BLVD. & NEURALIA ROAD	93505	EMI
CALIFORNIA CITY	S113075326	MOCAL NEWS CORP/DBA MOJAVE DESERT NEWS	8046 C CALIFORNIA CITY BLVD	93505	HAZNET, HWTS
CALIFORNIA CITY	S122246865	CALIFORNIA CITY KINGDOM HALL	NORTHWEST CORNER AIRWAY BLVD AND FOREST BLVD	93505	NPDES
CALIFORNIA CITY	S123302425	LOT 10 OF TRACT 5988	5650 LINDBERGH BLVD	93505	NPDES
CALIFORNIA CITY	S123302428	LOT 9 OF TRACT 5988	LINDBERGH BLVD	93505	NPDES
CALIFORNIA CITY	S117692596	13 ACRE RESIDENTIAL COMMUNITY	WEST OF NO LOOP BLVD AND RANDSBURG MOJAVE INTER	93505	NPDES, CIWQS
CALIFORNIA CITY	S126214088	DOLLAR GENERAL CALIFORNIA CITY	CALIFORNIA BOULEVARD AT VILLAGE CENTER DRIVE	93505	NPDES
CALIFORNIA CITY	S121689345	VIRGINIA AVE GORDEN BLVD	VIRGINIA AVE GORDEN BLVD		CIWQS
CALIFORNIA CITY	S121626151	CALIFORNIA CITY BLVD MINI STORAGE PROJECT	TRACT 2147 LOT 7 CALIFORNIA CITY BLVD AT MITCHELL	93505	CIWQS
CALIFORNIA CITY	S121618507	ACE HARDWARE	CALIFORNIA CITY BLVD W OF NEUR	93505	CIWQS
CALIFORNIA CITY	S121636764	ELLISON PLAZA	SW CORNER OF CALIFORNIA CITY BLVD	93505	CIWQS
CALIFORNIA CITY	S121641426	GOT STORAGE	CALIFORNIA CITY BLVD		CIWQS
EDWARD	S106825473	AIR FORCE FLIGHT TEST CENTER	EDWARDS AIR FORCE BASE	93524	EMI
EDWARDS	S124953067	1X TENNANT CO	EDWARDS A F B	93523	HWTS
EDWARDS	2014071152		EDWARDS AIR FORCE BASE		ERNS
EDWARDS	S118411619	JET PROPULGION LABORATORY/EDWA	BLDG 4231 EDWARDS AIR FORCE	93523	HIST UST
EDWARDS	S116362191		EDWARDS AIR FORCE BASE		CHMIRS
EDWARDS	1023239371	SOUTHERN CALIFORNIA EDISON EDWARDS SUBSTATION	ROSAMOND BLVD - 2 MILES SOUTH OF HWY 58	93523	FINDS
EDWARDS	1023271740	EDWARDS AIR FORCE BASE - CENTER GAS STATIONNA FORMER BUILDING 4854	EDWARDS AIR FORCE BASE	93523	FINDS
EDWARDS	S125743023	SCE CORUM SUBSTATION	LANDFILL RD. NW/O FORBES AVE., N/O ROSAMOND BLVD	93524	CUPA Listings, CERS
EDWARDS	S106825474	AIR FORCE FLIGHT TEST CENTER	EDWARDS AIR FORCE BASE	93523	EMI
EDWARDS AFB	95276945		ROSAMOND BLVD AND HWY 58	93524	ERNS
EDWARDS AFB	S103817851	SITE 71	S BASE UST NO S123-126	93524	LUST
EDWARDS AFB	S105023563	BLDG 148	BLDG 148 SOUTH BASE	93524	LUST, HIST CORTESE
EDWARDS AFB	S123515441	EAFB - MAIN BASE FACILITIES	MAIN BASE	93524	CERS HAZ WASTE, CERS TANKS, C Listings, CERS
EDWARDS AFB	S105629912		1MI WEST OF BORON, 20 MULETEAM RD, RICH RD		CHMIRS

Count: 124 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EDWARDS AFB	S125952806	EDWARDS AIR FORCE BASE - OW SITE 575	ROSAMOND BLVD		MCS
EDWARDS AFB	1023263295	EAFB-PL CLASS III LANDFILL	5.5 MI SW OF BORON	93523	FINDS
EDWARDS AFB	S126214195	EDWARDS AFB NORTH AND SOUTH BASE	225 NORTH ROSAMOND BLVD	93524	NPDES
EDWARDS AFB	S121635514	EAFB-PL CLASS III LANDFILL	5.5 MI SW OF BORON	93523	CIWQS
EDWARDS AFB CA	S100838394	EAFB-PL CLASS III LANDFILL	5.5 MI SW OF BORON	93523	WMUDS/SWAT
EDWARDS AIR FORCE BA	S124707555	EDWARDS AIR FORCE BASE	110 N ROSAMOND, BLDG 3700	93524	HWTS
EDWARDS AIR FORCE BA	1024769508	EDWARDS AIR FORCE BASE	110 N ROSAMOND, BLDG 3700	93524	RCRA NonGen / NLR
EDWARDS AIR FORCE BA	1024619997	EDWARDS AIR FORCE BASE	110 N ROSAMOND, BLDG 3700	93524	FINDS, ECHO
EDWARDS AIR FORCE BA	1024609760	EAFB - NORTH BASE	900 NORTH ROSAMOND BLVD	93524	FINDS
EDWARDS AIR FORCE BA	S126983165	EDWARDSAFB-S.BASE CONTAMINATED SOIL SITE	JONES ROAD/3.5 MI. NO. OF SO. BASE ENTER	93523	SWF/LF
KERN COUNTY	8712261		WELL #28@COALINGA/MONTEREY LEASE		ERNS
KERN COUNTY	9047917		WELL NO. 576 C		ERNS
KERN COUNTY	907727		WELL #75 C		ERNS
KERN COUNTY	S107526542		0.1 MILE E OF ZERKER RD/1 MI S SAMOSO..		CDL
KERN COUNTY	S107539143		KYTE RD, 1 MI S OF POND ROAD		CDL
KERN COUNTY	S107526580		1-1 1/2 MI W HOLLOWAY RD ON HWY 46		CDL
KERN COUNTY	S107541105		W OF MCFARLAND, SEE GREEN FOR DETAILS		CDL
KERN COUNTY	S107538907		IN A GRAPE VINE FIELD NEAR MCFARLAND		CDL
KERN COUNTY	S107540627		SE CORNER WOOLLOME & LEONARD		CDL
KERN COUNTY	S107539581		NORTH SIDE HART RD,1/2 MI W OF KITE R		CDL
KERN COUNTY	S107538767		HIGHWAY 99 AND DAVID ROAD/KERN COUNTY		CDL
KERN COUNTY	S107539095		KERN FRIANT CANAL (SEE CLUE)		CDL
KERN COUNTY	S106389320		ELK HILLS TO TAFT PIPELINE MP#24 1-1/2 MILES FROM VALLEY ACRES		CHMIRS
KERN COUNTY	S105634759		GORE C LEASE FELLOWS		CHMIRS
KERN COUNTY	S105634865		S-21 T-31S R-22E GORE C LEASE		CHMIRS
KERN COUNTY	M300000668	US BORAX INC	BORON MINE		US MINES
KERN COUNTY	1023379630	ROUND MOUNTAIN OIL FIELD. ROUND MOUNTAIN LEASE	C. OF SEC18NAT28SNAR29ENAMDB&M		FINDS
KERN COUNTY	1023245914	UNNAMED DITCH AT SR 223 CULVERT EXTENTION PROJECT	SR 223 AND H STREET		FINDS
KERN COUNTY	S121613022	119 MI PIPELINE	119 MI PIPELINE		CIWQS
KERN COUNTY	S127028211	LEBEC SEPTAGE DISPOSAL SITE	S23, T9N, R19W, SBB&M, KERN COUNTY		CIWQS
KERN COUNTY	S127028315	MIDWAY-SUNSET, MCFARLAND FEE	NE1/4,SEC2,T11N,R24W,SBB&M, KERN COUNTY		CIWQS
LANCASTER	S124522142	CONTRACT APPLICATIONS INC	EDWARDS AIR FORCE BASE	93523	HWTS
LANCASTER	S110424249		SOUTH BASE, BUILD 151, EDWARDS AIR FORCE BASE	93524	CHMIRS
NORTH EDWARDS	S124870563	CARLTON GLOBAL RESOURCES LLC DBA BORON BASALT PLANT	27876 E ROSEWOOD BLVD	93523	HWTS
NORTH EDWARDS	S106392101		NORTH EDWARDS OVERPASS AT BASE ON FRONTAGE ROAD AND CLAYMINE RD		CHMIRS
NORTH EDWARDS	S110423174		NE END OF FLINT AVE		CHMIRS
RIDGECREST	1018104392	CITY OF RIDGECREST PUBLIC WORKS (WWTP)	BOWMAN ROAD (WEST CALIFORNIA)	93555	ECHO
ROSAMOND	S110421438		BUILDING 369, EDWARDS AIR FORCE BASE	93524	CHMIRS
UNINCORPORATED COUN	S111756420		BUILDING 151, EDWARDS AIR FORCE BASE, SOUTH BASE, CLOSEST CITY IS MOJAVE	93524	CHMIRS
UNINCORPORATED COUN	S105662705		SOUTH BAY SPUR LOCATED AT EDWARDS AIR FORCE BASE	93524	CHMIRS
UNINCORPORATED COUN	S106394975		NASA DFRC BUILDING 4840 THOMPSON DR., EDWARDS, NEAREST CITY IS ROSAMOND	93523	CHMIRS

Count: 124 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
UNINCORPORATED COUN	S106393060		BLM EAST COSO GEOTHERMAL PLANT, COSO GILL STATION RD OFF US-395	93555	CHMIRS
VICTORVILLE	S106394591		SOUTHERN CALIFORNIA LOGISTICS AIRPORT, 18374 READINESS	93523	CHMIRS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/05/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/23/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 05/20/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/30/2021
Number of Days to Update: 87
Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69
Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 06/17/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/13/2021
Number of Days to Update: 88

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 07/22/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs
A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27
Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/14/2021
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/13/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/04/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 85

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/19/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/19/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/14/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 09/03/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/06/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/23/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/12/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 08/31/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/03/2021
Date Data Arrived at EDR: 05/25/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 78

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89
Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62
Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91
Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/26/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing
This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 81
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6
Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 06/17/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/05/2021
Number of Days to Update: 78
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/13/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/13/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 74

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/13/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 06/07/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 08/12/2021
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/24/2021
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/26/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/22/2021
Number of Days to Update: 84

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 42

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/11/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 07/23/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 77

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/09/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 56

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 09/07/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/12/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 75

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/08/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/09/2021
Next Scheduled EDR Contact: 10/25/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 04/07/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/13/2021
Date Data Arrived at EDR: 05/14/2021
Date Made Active in Reports: 07/26/2021
Number of Days to Update: 73

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2021
Next Scheduled EDR Contact: 11/28/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 07/15/2021
Number of Days to Update: 77

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/29/2021
Date Data Arrived at EDR: 04/30/2021
Date Made Active in Reports: 07/19/2021
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 05/28/2021
Date Made Active in Reports: 08/20/2021
Number of Days to Update: 84

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/07/2021
Date Made Active in Reports: 07/23/2021
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/31/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/17/2021
Next Scheduled EDR Contact: 12/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/27/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/22/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 12/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/14/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/24/2021
Next Scheduled EDR Contact: 11/15/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 81

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/04/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 80

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/15/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/08/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/22/2021
Date Data Arrived at EDR: 06/28/2021
Date Made Active in Reports: 09/21/2021
Number of Days to Update: 85

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 80

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/20/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/28/2021
Number of Days to Update: 78

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2021
Next Scheduled EDR Contact: 11/22/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2021
Next Scheduled EDR Contact: 11/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2021
Next Scheduled EDR Contact: 11/29/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/01/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

STREET AND ADDRESS INFORMATION

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Cal City Project
California City
Edwards, CA 93523

Inquiry Number: 06781568.5r
December 09, 2021

EDR Area / Corridor Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

SUBJECT PROPERTY INFORMATION

ADDRESS

CALIFORNIA CITY
EDWARDS, CA 93523

TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifcations refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

CUPA Listings: CUPA Resources List

A review of the CUPA Listings list, as provided by EDR, has revealed that there is 1 CUPA Listings site within approximately 0.25 miles of the requested target property.

Site	Address	Direction / Distance	Map ID / Focus Map(s)	Page
SCE PEERLESS SUBSTAT	***CLAYMINE RD., 7 MILE***	***N 0 - 1/8 (0.098 mi.)***	***1 / 3***	***23***

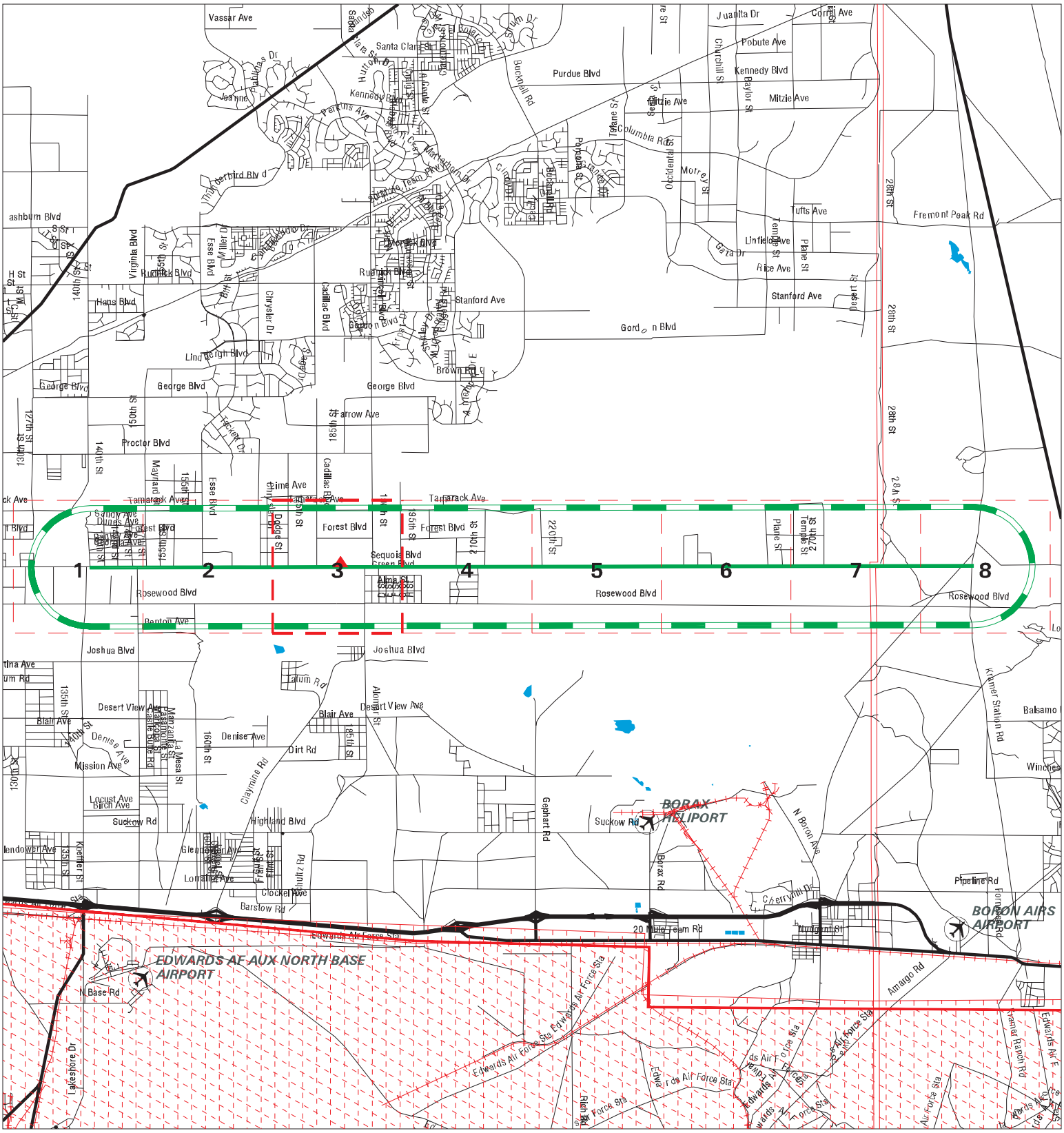
Database: KERN CO CUPA, Date of Government Version: 07/06/2021

MAPPED SITES SUMMARY

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1 / 3	SCE PEERLESS SUBSTAT	CLAYMINE RD., 7 MILE	CUPA Listings, CERS	517 0.098 North

Key Map - 06781568.5r


1
2
3
4
5
6
7
8
EDWARDS AF AUX NORTH BASE AIRPORT
BORAX HELIPORT
BORON AIRS AIRPORT
Rosewood Blvd
Joshua Blvd
Desert View Ave
Blair Ave
Denise Ave
Mission Ave
Locust Ave
Suckow Rd
Highland Blvd
Dirt Rd
Barstow Rd
Claremine Rd
Gephart Rd
Borax Rd
20 Mule Team Rd
Amargo Rd
Pipeline Rd
Cherrymin Dr
Nungesser St
N Boron Ave
N Base Rd
Edwards Air Force Sta
Forest Blvd
Sequoia Blvd
Green Blvd
Tamarack Ave
Benton Ave
Stanford Ave
Gordon Blvd
Lindbergh Blvd
George Blvd
Proctor Blvd
Harrow Ave
Purdue Blvd
Kennedy Blvd
Mitzie Ave
Tufts Ave
Linfield Ave
Rice Ave
Fremont Peak Rd
Columbia Rd
Occidental Rd
Morrey St
Plane St
Desert St
Temple St
Cadillac Blvd
Chrysler Dr
Rudnick Blvd
Hans Blvd
Virginia Blvd
Esse Blvd
Mayland Ave
Dodge St
Fabish St
Alomar St
Gaphart Rd
Kramer Station Rd
Kramer Ranch Rd
Balsamo
Wincres
Santa Clara St
Vassar Ave
Juanita Dr
Pobute Ave
Churchill St
Baylor St
Buckboard Rd
Jeanne Dr
Perkins Ave
Kennedy Rd
Cinnamon Teal
Mallard Dr
Pintail Dr
Canvasback Dr
Redhead Dr
Goldeneye Dr
Brown Bear Dr
Grizzly Dr
Trident Dr
Eagle Dr
Falcon Dr
Osprey Dr
Condor Dr
Lakeshore Dr
Schultz Rd
Clocket Ave
Lorraine Ave
Glendower Ave
Denise Ave
Claremine Rd
Manzanita St
La Mesa St
Cable Butte Rd
Koerner St
Fifth St
Fourth St
Third St
Second St
First St
Main St
Alma St
Cedar St
Pine St
Oak St
Maple St
Elm St
Sandy Ave
Dunes Ave
Forest Blvd
Tamarack Ave
Cherry Ave
Maple Ave
Oak Ave
Pine Ave
Elm Ave
Maple St
Cedar St
Pine St
Oak St
Elm St
Main St
Alma St
Fifth St
Fourth St
Third St
Second St
First St
Koerner St
Dodge St
Fabish St
Esse Blvd
Mayland Ave
Cadillac Blvd
Chrysler Dr
Rudnick Blvd
Hans Blvd
Virginia Blvd
Lindbergh Blvd
George Blvd
Proctor Blvd
Harrow Ave
Stanford Ave
Gordon Blvd
Purdue Blvd
Kennedy Blvd
Mitzie Ave
Tufts Ave
Linfield Ave
Rice Ave
Fremont Peak Rd
Columbia Rd
Occidental Rd
Morrey St
Plane St
Desert St
Temple

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA FID UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		1	0	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	1	0	0	0	0	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted

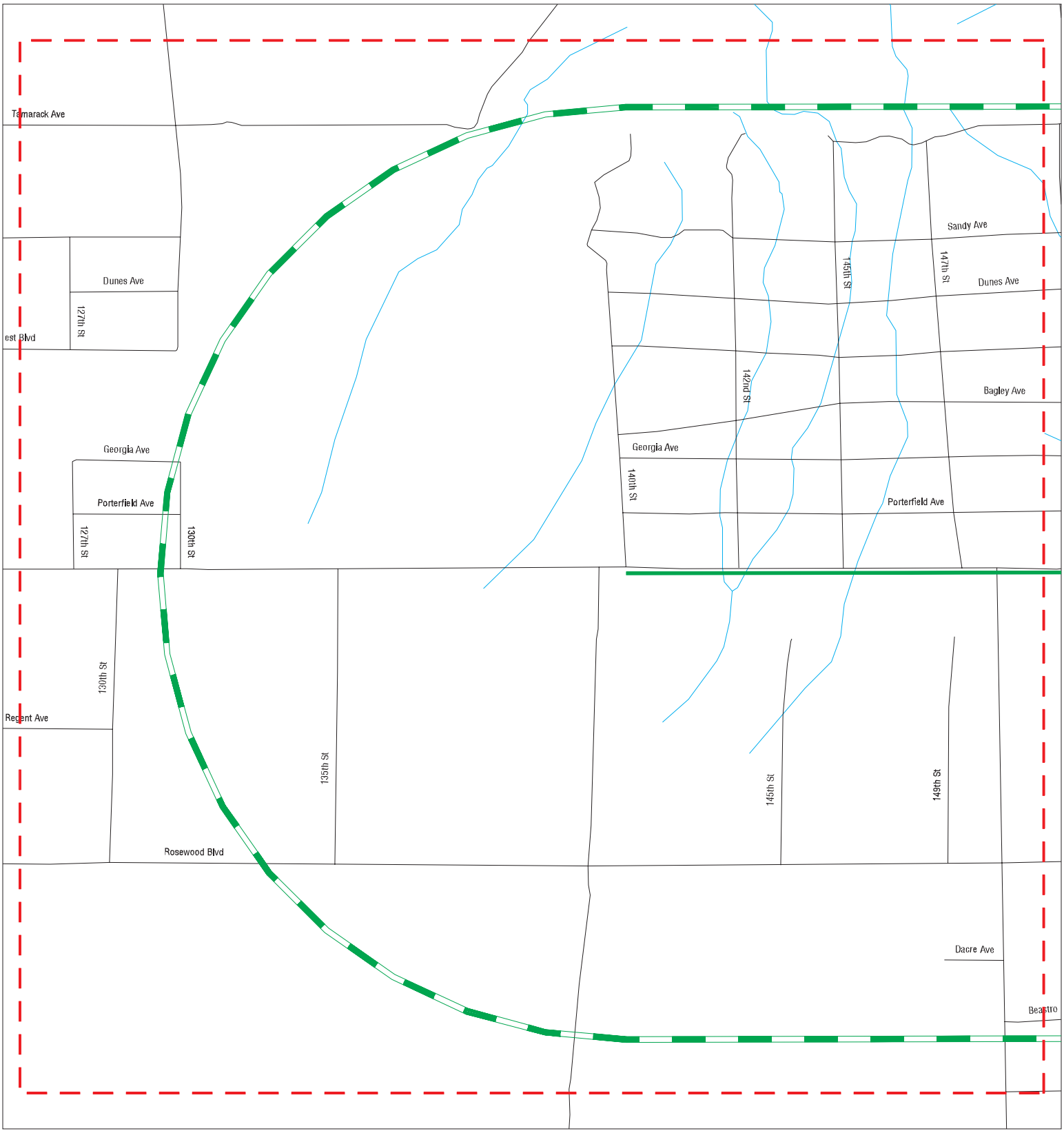
NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Focus Map - 1 - 06781568.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06781568.5r
ZIP: 93523	DATE: 12/09/21

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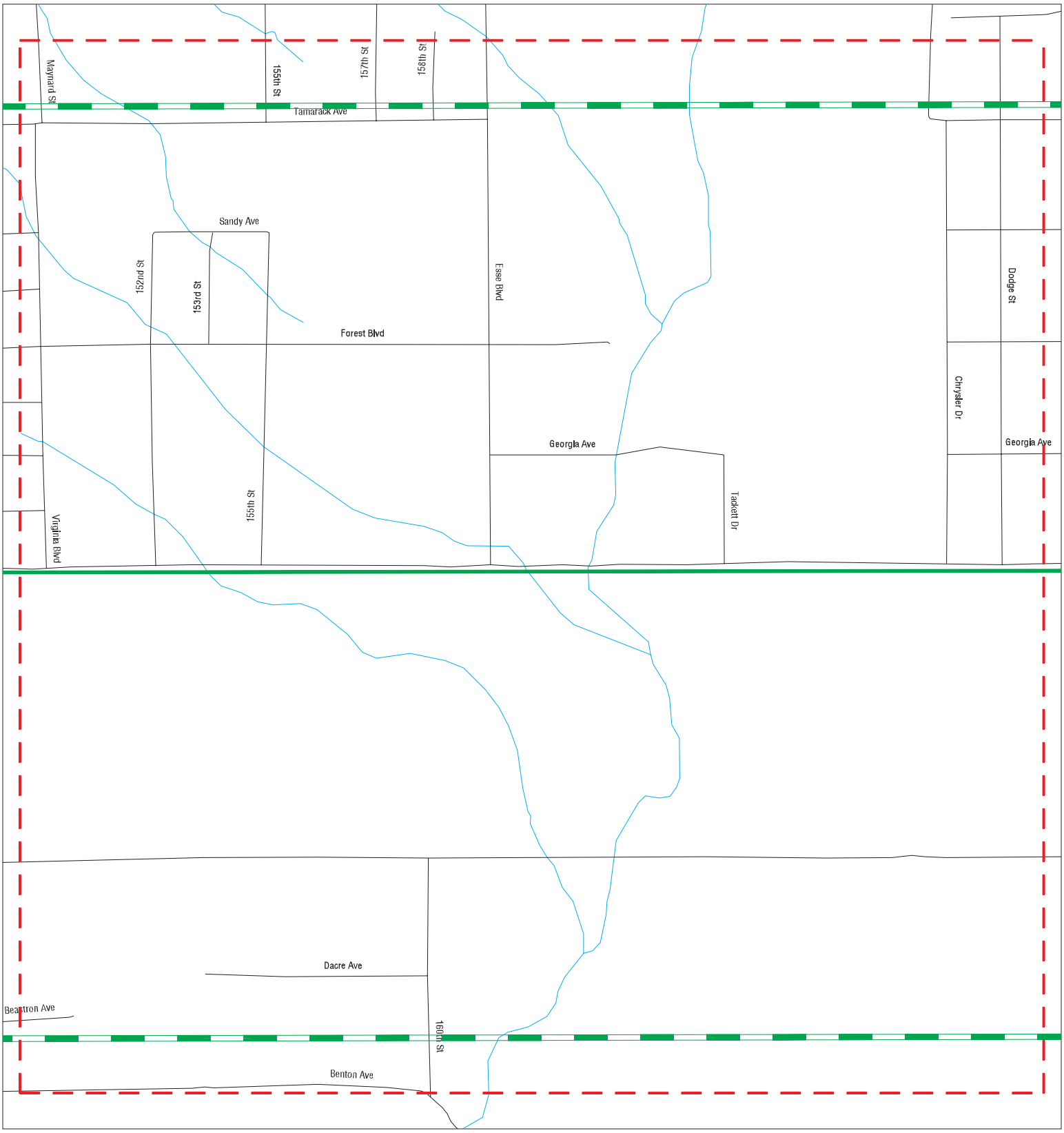
MAPPED SITES SUMMARY - FOCUS MAP 1

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 2 - 06781568.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06781568.5r
ZIP: 93523	DATE: 12/09/21

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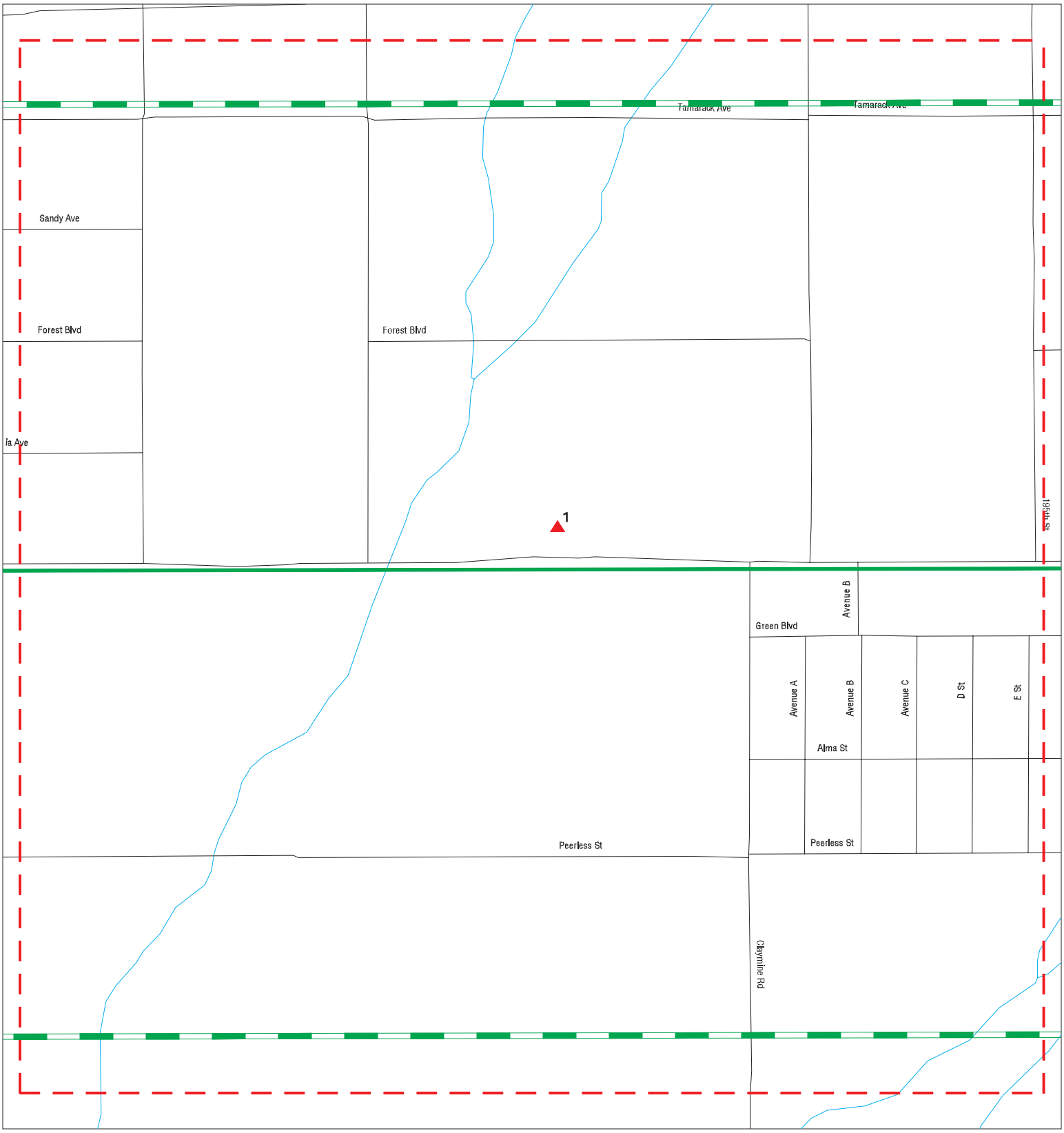
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 3 - 06781568.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06781568.5r
ZIP: 93523	DATE: 12/09/21

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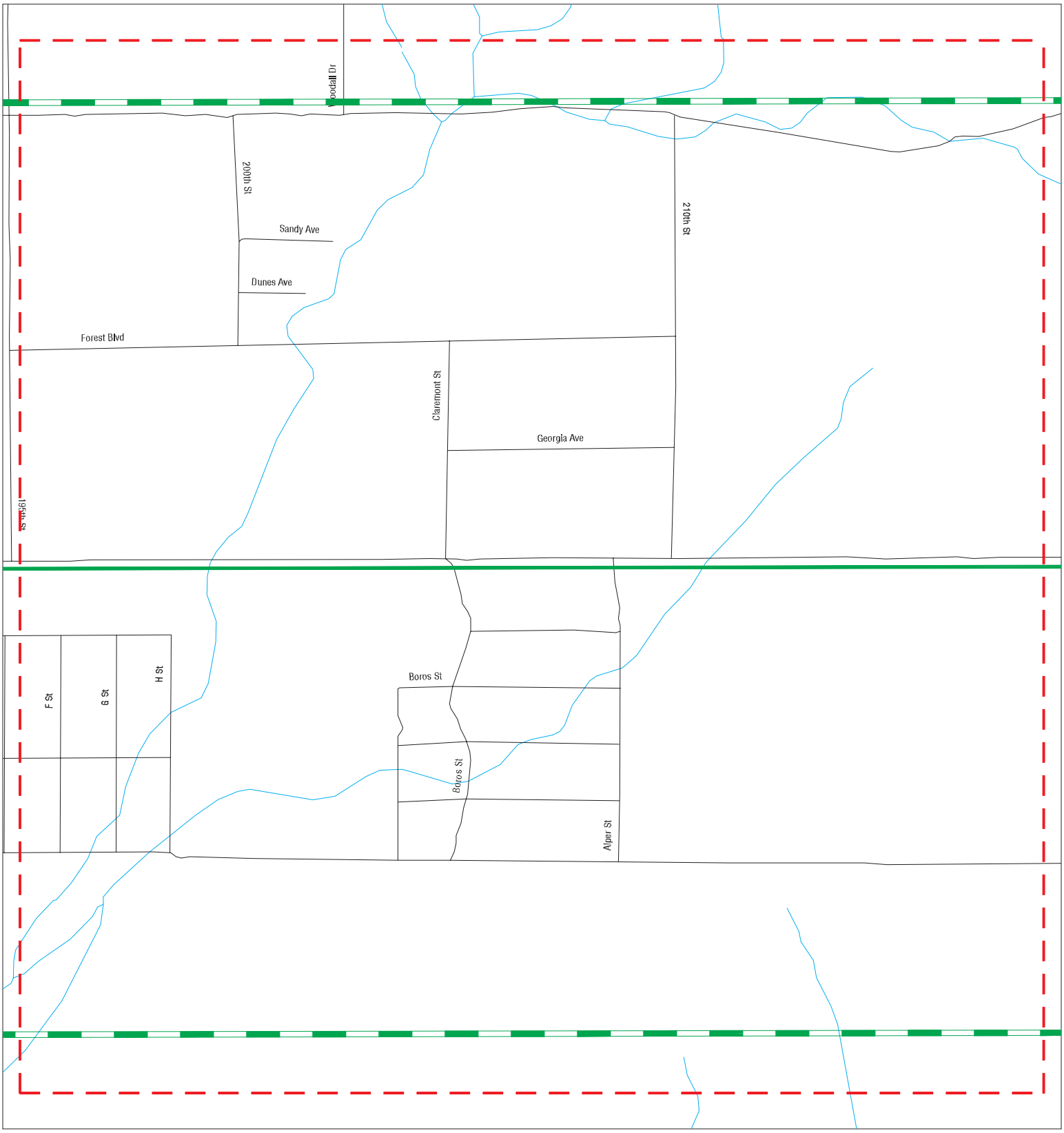
MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
1 / 3	SCE PEERLESS SUBSTAT	CLAYMINE RD., 7 MILE	CUPA Listings, CERS	517 0.098 North

Focus Map - 4 - 06781568.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06781568.5r
ZIP: 93523	DATE: 12/09/21

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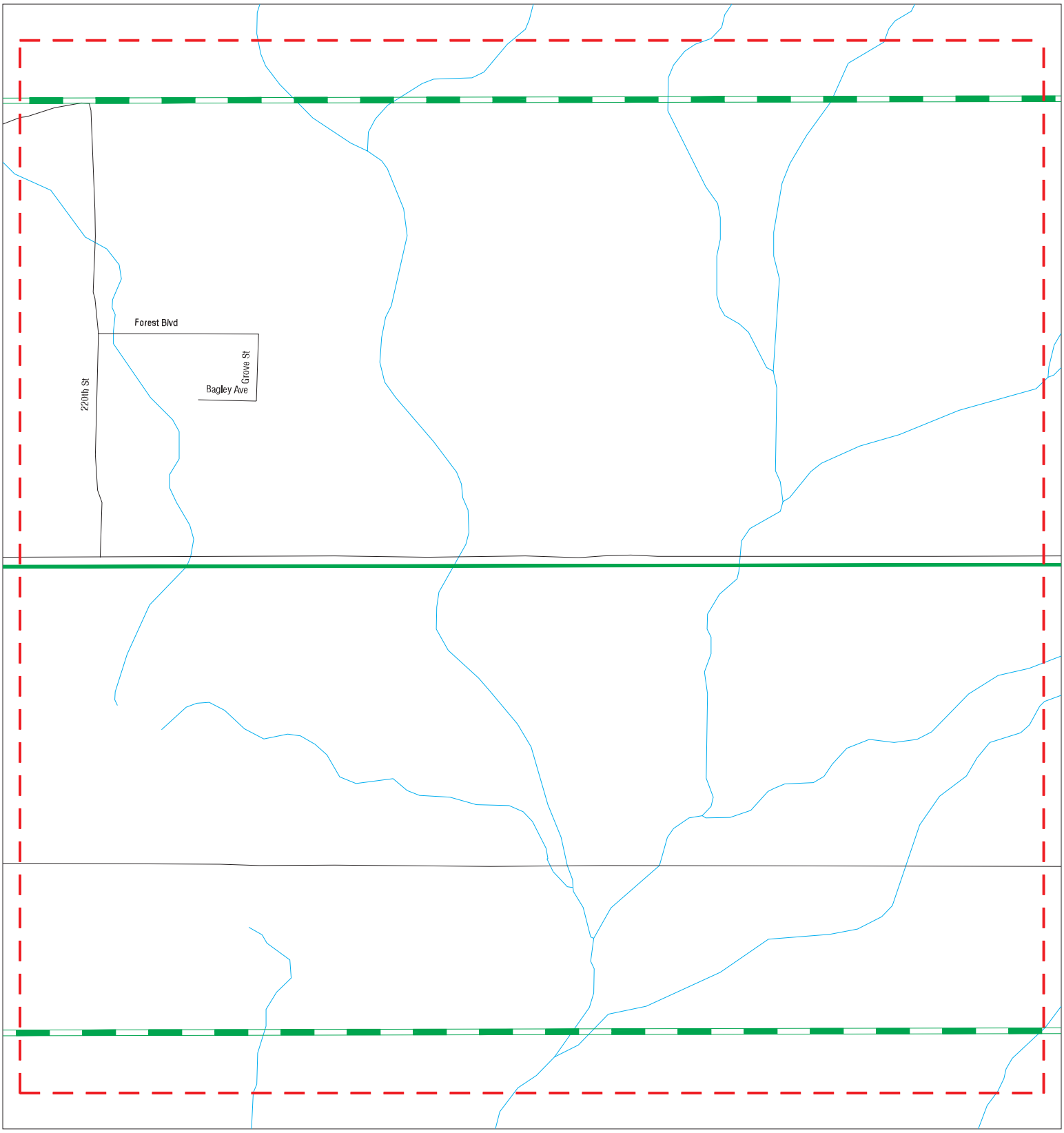
MAPPED SITES SUMMARY - FOCUS MAP 4

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 5 - 06781568.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06781568.5r
ZIP: 93523	DATE: 12/09/21

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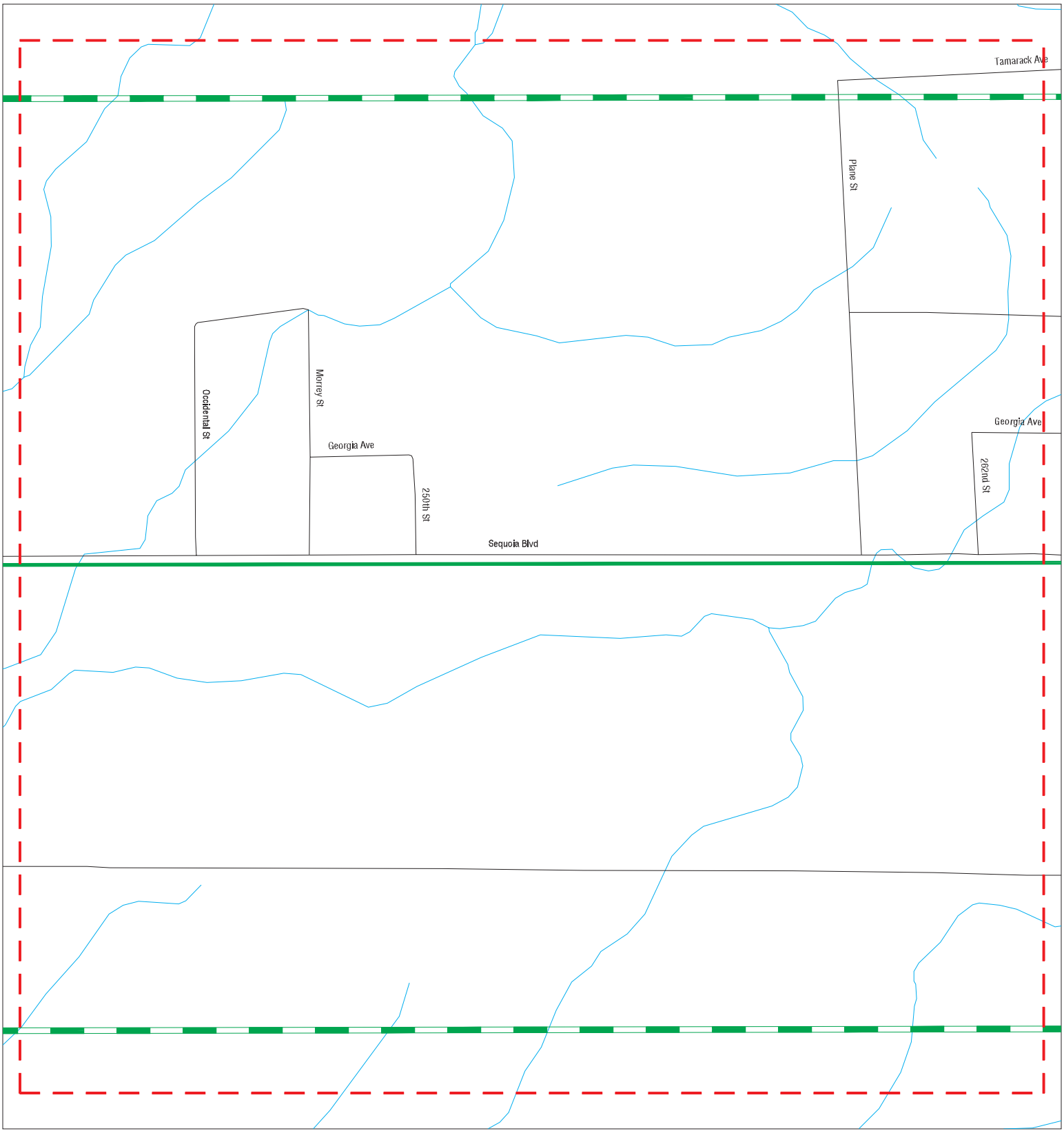
MAPPED SITES SUMMARY - FOCUS MAP 5

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 6 - 06781568.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06781568.5r
ZIP: 93523	DATE: 12/09/21

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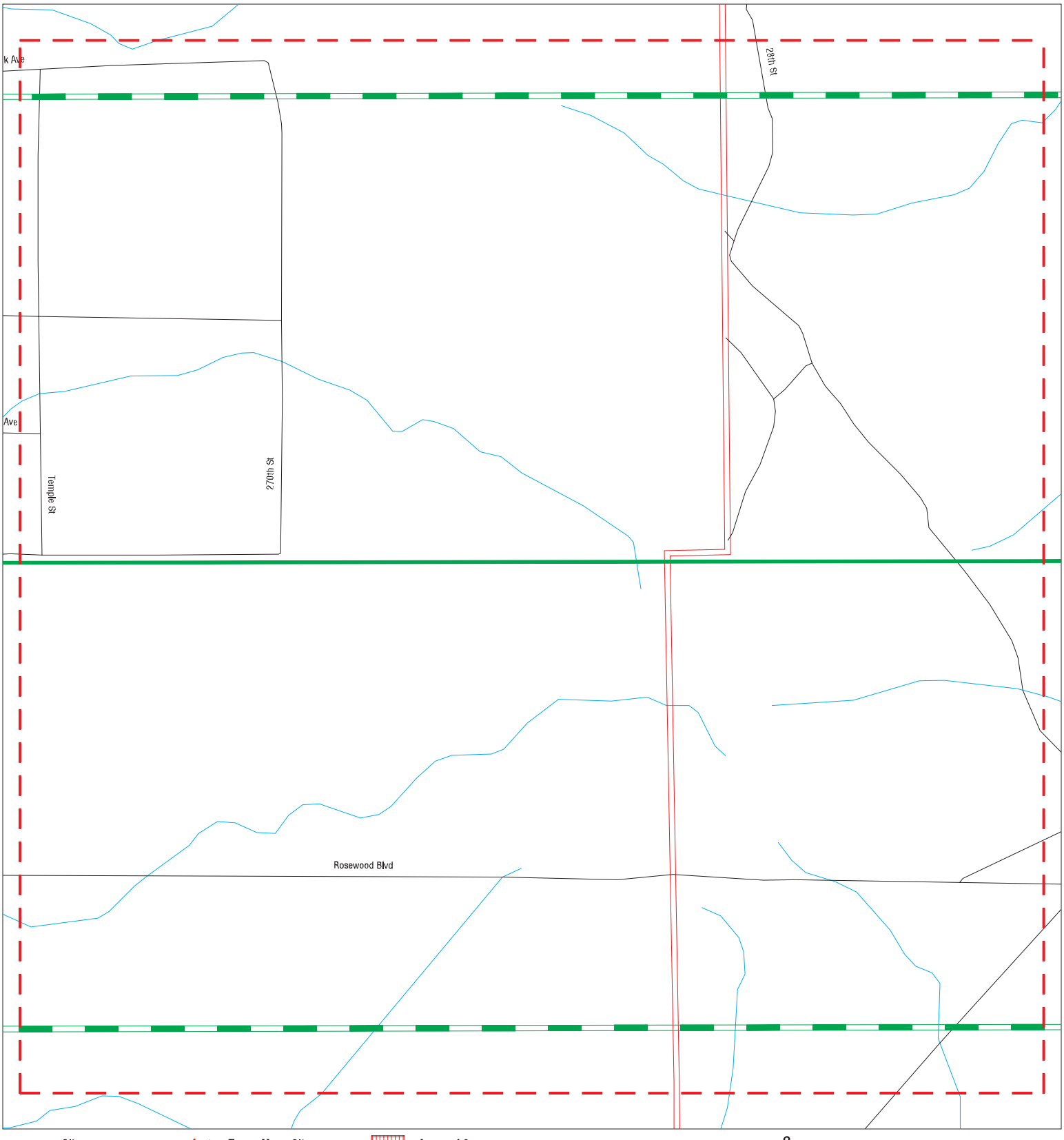
MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 7 - 06781568.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project	CLIENT: Rincon
ADDRESS: California City	CONTACT: Savanna Vrevich
CITY/STATE: Edwards CA	INQUIRY #: 06781568.5r
ZIP: 93523	DATE: 12/09/21

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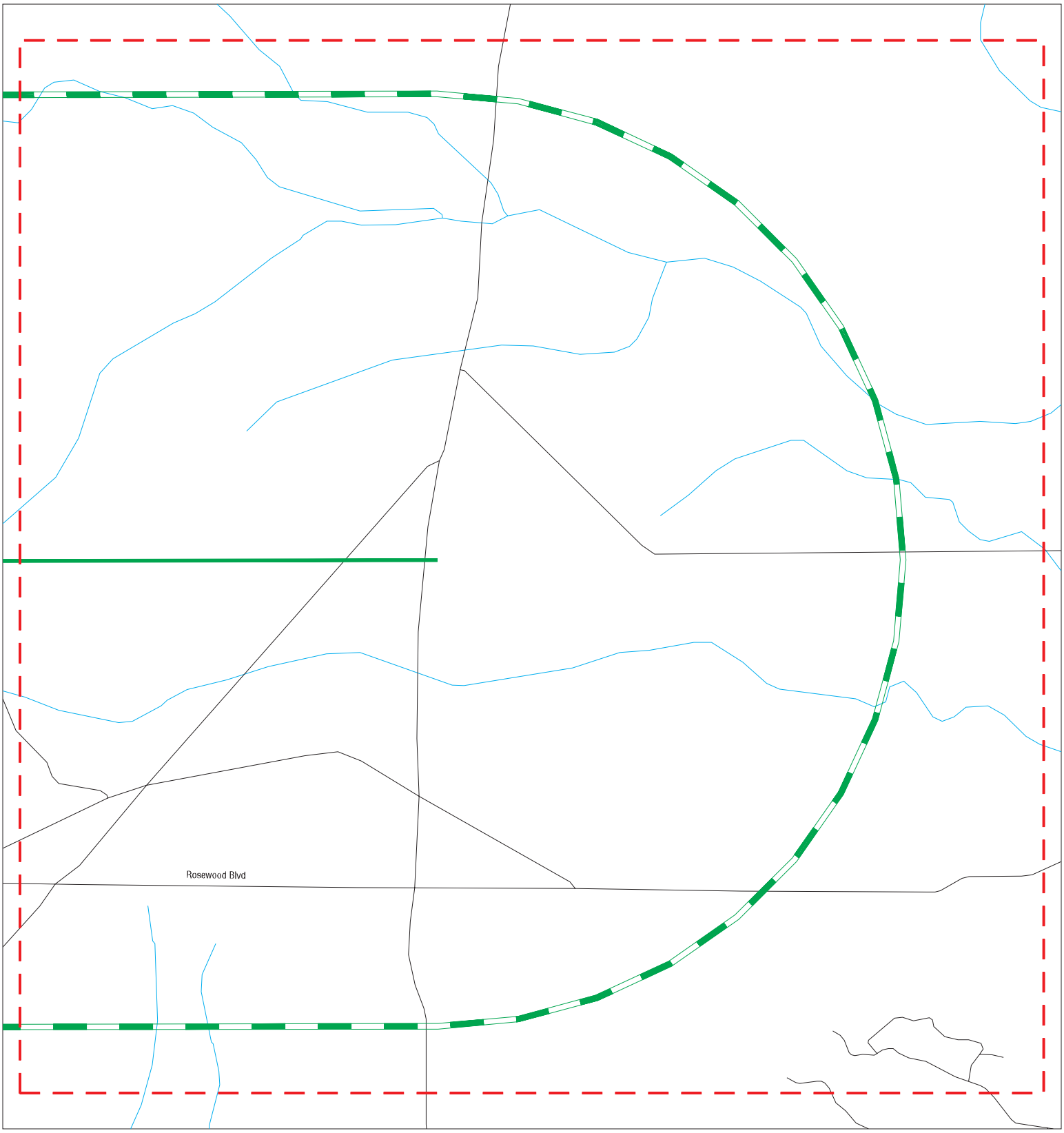
MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

Focus Map - 8 - 06781568.5r



Sites
Target Property
Search Buffer
Focus Map - No Sites
Focus Map - Sites
Power Line
Pipe Line
National Priority List Sites
Areas of Concern
Dept. Defense Sites
Indian Reservations BIA

0 1/4 1/2 Miles

SITE NAME: Cal City Project ADDRESS: California City CITY/STATE: Edwards CA ZIP: 93523	CLIENT: Rincon CONTACT: Savanna Vrevich INQUIRY #: 06781568.5r DATE: 12/09/21

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MAPPED SITES SUMMARY - FOCUS MAP 8

Target Property:
CALIFORNIA CITY
EDWARDS, CA 93523

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

1
North
< 1/8
0.098 mi.
517 ft.

SCE PEERLESS SUBSTATION
CLAYMINE RD., 7 MILES N/O HWY 58
BORON, CA 93516

CUPA Listings
CERS

S123502371
N/A

Actual:
2451 ft.

Focus Map:
3

KERN CO CUPA:

Facility ID:	FA0039281
CERS ID:	10472305
Name:	SCE PEERLESS SUBSTATION
Address:	CLAYMINE RD., 7 MILES N/O HWY 58
Address 2:	Claymine Rd., 7 Miles N/O Hwy 58
City,State,Zip:	BORON, CA
Billing Status:	Active, billable
Program Element:	BUS PLAN SMALL LOW RISK 1 UNIT
Program Element Code:	CB1T
HMIRRP Due Date:	Not reported
Current Inspection Date:	7/1/2023
Employee:	CUPA 3
Mailing Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Mailing Address 2:	Not reported
Mailing City:	Rosemead
Mailing State:	CA
Mailing Zip:	91770

CERS:

Name:	SCE PEERLESS SUBSTATION
Address:	CLAYMINE RD., 7 MILES N/O HWY 58
City,State,Zip:	BORON, CA 93516
Site ID:	155308
CERS ID:	10472305
CERS Description:	Chemical Storage Facilities

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-24-2017
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-02-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Not reported
Eval Division:	Kern County Env Health Services Department
Eval Program:	HMRRP
Eval Source:	CERS

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	07-14-2020
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Conducted a virtual inspection based on the photographs sent to me by Gabriel Rubio on July 7, 2020.
Eval Division:	Kern County Env Health Services Department

SCE PEERLESS SUBSTATION (Continued) **S123502371**

Eval Program: HMRRP
Eval Source: CERS

Affiliation:
Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City: Rosemead
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 91770
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Southern California Edison
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (626) 302-1212

Affiliation Type Desc: Parent Corporation
Entity Name: Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Kern County Environmental Health Services Departme
Entity Title: Not reported
Affiliation Address: 2700 M Street, Suite 300
Affiliation City: Bakersfield
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93301-2370
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Document Preparer
Entity Name: Zachary Spahn
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer
Entity Name: Zachary Spahn

SCE PEERLESS SUBSTATION (Continued) **S123502371**

Entity Title:	Consultant
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Southern California Edison
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	91770
Affiliation Phone:	(626) 302-1212
Affiliation Type Desc:	Environmental Contact
Entity Name:	Environmental Notification Center
Entity Title:	Not reported
Affiliation Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
Affiliation City:	Rosemead
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	91770
Affiliation Phone:	Not reported

Count: 19 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CALIFORNIA CITY	2005774549		91ST ST AND CALIFORNIA BLVD		ERNS
CALIFORNIA CITY	S105660829		CHRYSLER RD 1/3 MI NORTH 20 MULE TEAM PARKWAY		CHMIRS
CALIFORNIA CITY	S105650969		BEHIND 8140 CALIFORNIA CITY BLVD.	93505	CHMIRS
CALIFORNIA CITY	S105647245		90TH CALIFORNIA CITY BLVD	93505	CHMIRS
CALIFORNIA CITY	S108401605		SR 14 JNO CALIFORNIA CITY BLVD		CHMIRS
CALIFORNIA CITY	S108405360		91ST ST AND CALIFORNIA BLVD		CHMIRS
CALIFORNIA CITY	1025450758	CITY OF CALIFORNIA CITY PUBLIC WORKS	CALIFORNIA CITY BLVD. & NEURALIA ROAD	93505	FINDS
CALIFORNIA CITY	S112866265	FASTOP FOOD & GAS	601 CALIFORNIA CITY BLVD	93505	CUPA Listings, HAZNET, HWTS
CALIFORNIA CITY	S124454965	CITY OF CALIFORNIA CITY PUBLIC WORKS	CALIFORNIA CITY BLVD. & NEURALIA ROAD	93505	EMI
CALIFORNIA CITY	S113075326	MOCAL NEWS CORP/DBA MOJAVE DESERT NEWS	8046 C CALIFORNIA CITY BLVD	93505	HAZNET, HWTS
CALIFORNIA CITY	S126214088	DOLLAR GENERAL CALIFORNIA CITY	CALIFORNIA BOULEVARD AT VILLAGE CENTER DRIVE	93505	NPDES
CALIFORNIA CITY	S121689345	VIRGINIA AVE GORDEN BLVD	VIRGINIA AVE GORDEN BLVD		CIWQS
CALIFORNIA CITY	S121618507	ACE HARDWARE	CALIFORNIA CITY BLVD W OF NEUR	93505	CIWQS
CALIFORNIA CITY	S121636764	ELLISON PLAZA	SW CORNER OF CALIFORNIA CITY BLVD	93505	CIWQS
CALIFORNIA CITY	S121626151	CALIFORNIA CITY BLVD MINI STORAGE PROJECT	TRACT 2147 LOT 7 CALIFORNIA CITY BLVD AT MITCHELL	93505	CIWQS
CALIFORNIA CITY	S121641426	GOT STORAGE	CALIFORNIA CITY BLVD		CIWQS
NORTH EDWARDS	S106392101		NORTH EDWARDS OVERPASS AT BASE ON FRONTAGE ROAD AND CLAYMINE RD		CHMIRS
RIDGECREST	1018104392	CITY OF RIDGECREST PUBLIC WORKS (WWTP)	BOWMAN ROAD (WEST CALIFORNIA)	93555	ECHO
VICTORVILLE	S106394591		SOUTHERN CALIFORNIA LOGISTICS AIRPORT, 18374 READINESS	93523	CHMIRS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 77

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 06/14/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 61

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/30/2021
Number of Days to Update: 84
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/03/2021
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 12/01/2019
Date Data Arrived at EDR: 08/19/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 08/19/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/25/2021
Date Data Arrived at EDR: 09/03/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/13/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/13/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/17/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 66

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/19/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/20/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 11/24/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 62

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/26/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 09/21/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/24/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/04/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 84

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/22/2021
Number of Days to Update: 84

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 42

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/15/2021
Date Data Arrived at EDR: 06/16/2021
Date Made Active in Reports: 07/02/2021
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/11/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 07/23/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 77

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/09/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 56

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/08/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 06/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/28/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/29/2021
Date Made Active in Reports: 10/19/2021
Number of Days to Update: 82

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/09/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 81

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 14
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/11/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 89

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2021
Next Scheduled EDR Contact: 12/20/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/04/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 02/27/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/22/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/14/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/14/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 81
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 80
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 06/22/2021
Date Data Arrived at EDR: 06/28/2021
Date Made Active in Reports: 09/21/2021
Number of Days to Update: 85
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 80

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/23/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 90

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

STREET AND ADDRESS INFORMATION

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Appendix J
Noise

Noise Measurements

Table 5: Monitoring Location 1 Measurements

Line	Date	Time	Measurement 1	Measurement 2	Measurement 3	Measurement 4	Measurement 5	Log Measurement 1	Log Measurement 2	Log Measurement 3	Log Measurement 4	Log Measurement 5	Leq of the 5 Measurments	Numbers	Leq of 20 minute interval for 1 hour	Time	dBA
1	3/1/2022	10:13:47 AM	38.8	33.5	32.3	35.1	35.2	7585.77575	2238.721139	1698.243652	3235.936569	3311.311215	35.57987868	3613.997665	36.86230783	Midnight	62.24088189
6	3/1/2022	10:33:47 AM	33.1	33.6	41.8	43.7	32.4	2041.737945	2290.867653	15135.61248	23442.28815	1737.800829	39.50834992	8929.661413		1:00	55.74166311
11	3/1/2022	10:53:47 AM	30.6	31.4	33	33.1	35.5	1148.153621	1380.384265	1995.262315	2041.737945	3548.133892	33.05938862	2022.734408		2:00	61.34302796
16	3/1/2022	11:13:47 AM	41	56.3	49.1	44.4	48.3	12589.25412	426579.5188	81283.05162	27542.28703	67608.29754	50.90330306	123120.4818	53.17320271	3:00	47.03084894
21	3/1/2022	11:33:47 AM	48.7	60.1	46.3	51	50.2	74131.02413	1023292.992	42657.95188	125892.5412	104712.8548	54.37968405	274137.4729		4:00	54.11431488
26	3/1/2022	11:53:47 AM	56.2	52.1	55.3	48.6	51.4	416869.3835	162181.0097	338844.1561	72443.59601	138038.4265	53.53484056	225675.3144		5:00	54.86019446
31	3/1/2022	12:13:47 PM	53	56.7	54.9	68.7	54.6	199526.2315	467735.1413	309029.5433	7413102.413	288403.1503	62.39439456	1735559.296	61.10213752	6:00	55.60349542
36	3/1/2022	12:33:47 PM	53.1	61.4	52.8	60.3	65.1	204173.7945	1380384.265	190546.0718	1071519.305	3235936.569	60.85116398	1216512.001		7:00	54.66362545
41	3/1/2022	12:53:47 PM	63.2	57.5	57	61.1	51.2	2089296.131	562341.3252	501187.2336	1288249.552	131825.6739	59.61221692	914579.983		8:00	51.5091231
46	3/1/2022	1:13:47 PM	53.7	55.2	61.2	59.4	44.3	234422.8815	331131.1215	1318256.739	870963.59	26915.34804	57.45338675	556337.9359	61.95134312	9:00	53.70654608
51	3/1/2022	1:33:47 PM	57.3	67	59.3	67.4	65.4	537031.7964	5011872.336	851138.0382	5495408.739	3467368.505	64.87500921	3072563.883		10:00	36.86230783
56	3/1/2022	1:53:47 PM	56.6	62.1	58.5	61.2	61	457088.1896	1621810.097	707945.7844	1318256.739	1258925.412	60.30520888	1072805.244		11:00	53.17320271
61	3/1/2022	2:13:47 PM	50.7	48.9	60.8	55.3	65.4	117489.7555	77624.71166	1202264.435	338844.1561	3467368.505	60.17333196	1040718.312	58.78623818	12:00	61.10213752
66	3/1/2022	2:33:47 PM	62.9	46.3	48.2	62.9	60.8	1949844.6	42657.95188	66069.3448	1949844.6	1202264.435	60.17924476	1042136.186		13:00	61.95134312
71	3/1/2022	2:53:47 PM	55.2	54	53.4	46.8	49	331131.1215	251188.6432	218776.1624	47863.00923	79432.82347	52.68761273	185678.3519		14:00	58.78623818
76	3/1/2022	3:13:47 PM	49.4	50.9	59.3	50.6	53.4	87096.359	123026.8771	851138.0382	114815.3621	218776.1624	54.45558374	278970.5598	56.57883427	15:00	56.57883427
81	3/1/2022	3:33:47 PM	56.1	52.3	49.5	48.3	48.3	407380.2778	169824.3652	89125.09381	67608.29754	67608.29754	52.04958627	160309.2664		16:00	62.23555874
86	3/1/2022	3:53:47 PM	52.2	63.7	53.3	55.9	61.8	165958.6907	2344228.815	213796.209	389045.145	1513561.248	59.66291021	925318.0217		17:00	64.86153995
91	3/1/2022	4:13:47 PM	50.7	56.2	58.3	66.6	59.4	117489.7555	416869.3835	676082.9754	4570881.896	870963.59	61.24001013	1330457.52	62.23555874	18:00	61.41672448
96	3/1/2022	4:33:47 PM	61.8	63.9	63.4	65.1	53.3	1513561.248	2454708.916	2187761.624	3235936.569	213796.209	62.83561934	1921152.913		19:00	48.2819356
101	3/1/2022	4:53:47 PM	55.9	61.6	50.7	60	67.7	389045.145	1445439.771	117489.7555	1000000	5888436.554	62.47502463	1768082.245		20:00	54.01140664
106	3/1/2022	5:13:47 PM	54.1	57	63.3	57.6	59.8	257039.5783	501187.2336	2137962.09	575439.9373	954992.586	59.47102377	885324.285	64.86153995	21:00	65.04444257
111	3/1/2022	5:33:47 PM	68.4	67.2	69.7	65.9	67.2	6918309.709	5248074.602	9332543.008	3890451.45	5248074.602	67.87282659	6127490.674		22:00	63.21451356
116	3/1/2022	5:53:47 PM	59.5	67	59.8	59.7	64.9	891250.9381	5011872.336	954992.586	933254.3008	3090295.433	63.37725371	2176333.119		23:00	64.90056105
121	3/1/2022	6:13:47 PM	58.8	65.6	66.3	58.7	57.1	758577.575	3630780.548	4265795.188	741310.2413	512861.384	62.97074065	1981864.987	61.41672448		
126	3/1/2022	6:33:47 PM	54.6	59.5	60.1	49.6	59	288403.1503	891250.9381	1023292.992	91201.08394	794328.2347	57.90774283	617695.2799			
131	3/1/2022	6:53:47 PM	67.2	58.6	56.2	54.8	60.4	5248074.602	724435.9601	416869.3835	301995.172	1096478.196	61.92447759	1557570.663			
136	3/1/2022	7:13:47 PM	55	51.4	52.4	49.1	44.3	316227.766	138038.4265	173780.0829	81283.05162	26915.34804	51.68052162	147248.935	48.2819356		
141	3/1/2022	7:33:47 PM	50.5	43.3	47.7	38.5	41.8	112201.8454	21379.6209	58884.36554	7079.457844	15135.61248	46.32823407	42936.18044			
146	3/1/2022	7:53:47 PM	37.2	36.5	35.1	44.9	41.8	5248.074602	4466.835922	3235.936569	30902.95433	15135.61248	40.71804077	11797.88278			
151	3/1/2022	8:13:47 PM	42.6	49	57.3	39.7	47.9	18197.00859	79432.82347	537031.7964	9332.543008	61659.50019	51.49621601	141130.7343	54.01140664		
156	3/1/2022	8:33:47 PM	46.9	41.9	54.9	45.2	58.9	48977.88194	15488.16619	309029.5433	33113.11215	776247.1166	53.73961807	236571.164			
161	3/1/2022	8:53:47 PM	58.1	59.1	55.6	43.2	46.7	645654.229	812830.5162	363078.0548	20892.96131	46773.51413	55.77314662	377845.8551			
166	3/1/2022	9:13:47 PM	47.4	62.3	59.2	51.7	52.2	54954.08739	1698243.652	831763.7711	147910.8388	165958.6907	57.63252899	579766.2081	65.04444257		
171	3/1/2022	9:33:47 PM	58	48.6	66.1	60.1	68.1	630957.3445	72443.59601	4073802.778	1023292.992	6456542.29	63.89415564	2451407.8			
176	3/1/2022	9:53:47 PM	62.6	67.4	71.9	52.8	69.9	1819700.859	5495408.739	15488166.19	190546.0718	9772372.21	68.16455995	6553238.814			
181	3/1/2022	10:13:47 PM	69.2	66.7	64.6	67.9	52.4	8317637.711	4677351.413	2884031.503	6165950.019	173780.0829	66.47749632	4443750.146	63.21451356		
186	3/1/2022	10:33:47 PM	61	54.3	62.6	64	58	1258925.412	269153.4804	1819700.859	2511886.432	630957.3445	61.13316415	1298124.705			
191	3/1/2022	10:53:47 PM	58.9	61.1	50.7	51.9	56	776247.1166	1288249.552	117489.7555	154881.6619	398107.1706	57.37983397	546995.0513			
196	3/1/2022	11:13:47 PM	63.4	48.4	57.9	56.8	53.6	2187761.624	69183.09709	616595.0019	478630.0923	229086.7653	58.55065433	716251.3161	64.90056105		
201	3/1/2022	11:33:47 PM	47.1	57.2	56.3	58.6	65.7	51286.1384	524807.4602	426579.5188	724435.9601	3715352.291	60.36825351	1088492.274			
206	3/1/2022	11:53:47 PM	73.5	61.7	70.6	60.9	58.8	22387211.39	1479108.388	11481536.21	1230268.771	758577.575	68.73165953	7467340.467			
211	3/2/2022	12:13:47 AM	70.1	65.9	59.6	63.4	58.5	10232929.92	3890451.45	912010.8394	2187761.624	707945.7844	65.54636919	3586219.924	62.24088189		
216	3/2/2022	12:33:47 AM	62.4	51.9	56	65.3	59.3	1737800.829	154881.6619	398107.1706	3388441.561	851138.0382	61.15967735	1306073.852			
221	3/2/2022	12:53:47 AM	53.1	54.7	50.2	46.9	41.7	204173.7945	295120.9227	104712.8548	48977.88194	14791.08388	51.25661152	133555.3076			
226	3/2/2022	1:13:47 AM	48.8	56.4	51	58.9	43	75857.7575	436515.8322	125892.5412	776247.1166	19952.62315	54.57720215	286893.1741	55.74166311		
231	3/2/2022	1:33:47 AM	50.4	55.5	51.8	54.3	61.5	109647.8196	354813.3892	151356.1248	269153.4804	1412537.545	56.62287096	459501.6717			
236	3/2/2022	1:53:47 AM	55.2	59.3	53.7	54.3	53.2	331131.1215	851138.0382	234422.8815	269153.4804	208929.6131	55.78587672	378955.0269			
241	3/2/2022	2:13:47 AM	59.1	54.8	65.7	68.9	64.9	812830.5162	301995.172	3715352.291	7762471.166	3090295.433	64.96457603	3136588.916	61.34302796		
246	3/2/2022	2:33:47 AM	54.4	59.9	55	58.9	58.5	275422.8703	977237.221	316227.766	776247.1166	707945.7844	57.85768288	610616.1517			
251	3/2/2022	2:53:47 AM	56.7	55.8	59	39.9	46.8	467735.1413	380189.3963	794328.2347	9772.37221	47863.00923	55.31450343	339977.6308			
256	3/2/2022	3:13:47 AM	54.5	45.9	40.9	37.1	37.9	281838.2931	38904.5145	12302.68771	5128.61384	6165.950019	48.38017545	68868.01184	47.03084894		
261	3/2/2022	3:33:47 AM	39.2	33.3	32.8	35.7	46.8	8317.637711	2137.96209	1905.460718	3715.352291	47863.00923	41.06798702	12787.88441			
266	3/2/2022	3:53:47 AM	36.6	39	41.3	47.3	54.3	4570.881896	7943.282347	13489.62883	53703.17964	269153.4804	48.43681736	69772.09062			
271	3/2/2022	4:13:47 AM	46.3	50.7	54.4	37.4	45.4	42657.95188	117489.7555	275422.8703	5495.408739	34673.68505	49.78399364	95147.9343	54.11431488		
276	3/2/2022	4:33:47 AM	46	40.7	53.4	46.8	52.8	39810.71706	11748.97555	218776.1624	47863.00923	190546.0718	50.07530095	101748.9872			
281	3/2/2022	4:53:47 AM	48	55.1	55.9	62.6	54.6	63095.73445	323593.6569	389045.145	1819700.859	288403.1503	57.61000938	576767.7091			
286	3/2/2022	5:13:47 AM	51.5	49	55.2	50.8	59.8	141253.7545	79432.82347	331131.1215	120226.4435	954992.586	55.12427353	325407.3458	54.86019446		
291	3/2/2022	5:33:47 AM	53.7	55.3	59.4	54	56.5	234422.8815	338844.1561	870963.59	251188.6432	446683.5922	56.31870317	428420.5726			
296	3/2/2022	5:53:47 AM	44.1	49.6	55.3	55.1	46.5	25703.95783	91201.08394	338844.1561	323593.6569	44668.35922	52.16963118	164802.2428			
301	3/2/2022	6:13:47 AM	63.6	49.8	45	54	50.3	2290867.653	95499.2586	31622.7766	251188.6432	107151.9305	57.44501123	555266.0523	55.60349542		
306	3/2/2022	6:33:47 AM	49.6	52.6	56.3	57.2	44.5	91201.08394	181970.0859	426579.5188	524807.4602	28183.82931	53.98891626	250548.3956			
311	3/2/2022	6:53:47 AM	46.6	54	56.8	56.2	53.6	45708.81896	251188.6432	478630.0923	416869.3835	229086.7653	54.53771881	284296.7406			
316	3/2/2022	7:13:47 AM	43.9	53.1	44.5	65.9	44.5	24547.08916	204173.7945	28183.82931	3890451.45	28183.82931	59.21742643	835107.9984	54.66362545		
321	3/2/2022	7:33:47 AM	43.1	41.7	41.4	48.4	42.6	20417.37945	14791.08388	13803.84265	69183.09709	18197.00859	44.35820204	27278.48233			
326	3/2/2022	7:53:47 AM	45	42	39.9	40.3	40	31622.7766	15848.93192	9772.37221	10715.19305	10000	41.92897781	15591.85476			
331	3/2/2022	8:13:47 AM	35	47	33.3	36	50.1	3162.27766	50118.72336	2137.96209	3981.071706	102329.2992	45.09818794	32345.86681	51.5091231		
336	3/2/2022	8:33:47 AM	50.8	55.5	46.7	47.1	47.7	120226.4435	354813.3892	46773.51413	51286.1384	58884.36554	51.01735976	126396.7702			
341	3/2/2022	8:53:47 AM	39.9	60.6	51	44.7	42.1	9772.37221	1148153.621	125892.5412	29512.09227	16218.10097	54.24734255	265909.7456			
346	3/2/2022	9:13:47 AM	40.7	59.6	53.4	60.6	51.7	11748.97555	912010.8394	218776.1624	1148153.621	147910.8388	56.88170643	487720.0875	53.70654608		
351	3/2/2022	9:33:47 AM	56.9	43.3	55.2	46.2	51.2	489778.8194	21379.6209	331131.1215	41686.93835	131825.6739	53.07839134	203160.4348			
356	3/2/2022	9:53:47 AM	44.4	37.2	41.6	40	40	27542.28703	5248.074602	14454.39771	10000	10000	41.28688439	13448.95187			

Calculated Ldn from Long-Term Noise Monitoring Data

Monitoring Location 1

3/1/2022-3/2/2024

	TIME		dBA	Numbers...	10 dBA More Numbers...	5 dBA
Midnight	0 / 24		62.2	1675283	16752830	5297710
am	1:00	100	55.7	375117	3751166	1186223
	2:00	200	61.3	1362394	13623942	4308269
	3:00	300	47.0	50476	504760	159619
	4:00	400	54.1	257888	2578882	815514
	5:00	500	54.9	306210	3062101	968321
	6:00	600	55.6	363370	3633704	1149078
	7:00	700	54.7	292659	2926594	925470
	8:00	800	51.5	141551	1415508	447623
	9:00	900	53.7	234776	2347765	742428
	10:00	1000	36.9	4855	48555	15354
	11:00	1100	53.2	207644	2076444	656629
	12:00	1200	61.1	1288884	12888838	4075808
pm	13:00	1300	62.0	1567236	15672357	4956034
	14:00	1400	58.8	756178	7561776	2391244
	15:00	1500	56.6	454866	4548659	1438412
	16:00	1600	62.2	1673231	16732309	5291221
	17:00	1700	64.9	3063049	30630494	9686213
	18:00	1800	61.4	1385710	13857103	4382001
	19:00	1900	48.3	67328	673277	212909
	20:00	2000	54.0	251849	2518493	796417
	21:00	2100	65.0	3194804	31948043	10102858
	22:00	2200	63.2	2096290	20962900	6629051
pm	23:00	2300	64.9	3090695	30906947	9773635

Leq Nighttime 10:00 p.m.-7:00 a.m. (not penalized)

60 dBA

Leq Daytime 7:00 am-10:00 p.m.

60 dBA

Leq 24-Hour

60 dBA

Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.

67 dBA

CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,

67 dBA **and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

Leq Low

37 dBA **and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

CNEL - Ldn: 0.28916

Table 6: Monitoring Location 2 Measurements

Line	Date	Time	Measurement 1	Measurement 2	Measurement 3	Measurement 4	Measurement 5	Log Measurement 1	Log Measurement 2	Log Measurement 3	Log Measurement 4	Log Measurement 5	Leq of the 5 Measurments	Numbers	Leq of 20 minute interval for 1 hour	Time	dBA
356	3/4/2022	12:07:43 PM	55.4	51.4	51.4	58.4	62.9	346736.8505	138038.4265	138038.4265	691830.9709	1949844.6	58.14845242	652897.8548	55.92505681	Midnight	60.2305991
1	3/3/2022	12:27:43 PM	48.2	59.7	42.6	37.7	53.1	66069.3448	933254.3008	18197.00859	5888.436554	204173.7945	53.90080821	245516.577		1:00	65.85996162
6	3/3/2022	12:47:43 PM	55.5	52.3	42.1	56.9	55.4	354813.3892	169824.3652	16218.10097	489778.8194	346736.8505	54.40081096	275474.3051		2:00	57.58744421
11	3/3/2022	1:07:43 PM	56.1	58.6	50	51.4	52.2	407380.2778	724435.9601	100000	138038.4265	165958.6907	54.87368435	307162.671	58.57105477	3:00	51.12749809
16	3/3/2022	1:27:43 PM	49.3	57.8	48.5	49.7	53.3	85113.80382	602559.5861	70794.57844	93325.43008	213796.209	53.28619972	213117.9215		4:00	47.97948694
21	3/3/2022	1:47:43 PM	64.4	61.4	61.3	61.7	60.9	2754228.703	1380384.265	1348962.883	1479108.388	1230268.771	62.1447046	1638590.602		5:00	55.24237254
26	3/3/2022	2:07:43 PM	57.2	62.1	61.4	61	59.5	524807.4602	1621810.097	1380384.265	1258925.412	891250.9381	60.5516252	1135435.634	59.67171339	6:00	46.19781655
31	3/3/2022	2:27:43 PM	51.9	52	49.3	57.9	50.5	154881.6619	158489.3192	85113.80382	616595.0019	112201.8454	53.53062426	225456.3264		7:00	57.10750393
36	3/3/2022	2:47:43 PM	57.1	63	65	50.6	61.2	512861.384	1995262.315	3162277.66	114815.3621	1318256.739	61.52500758	1420694.692		8:00	60.57640702
41	3/3/2022	3:07:43 PM	62.5	53.2	58.6	57.9	54.3	1778279.41	208929.6131	724435.9601	616595.0019	269153.4804	58.57017937	719478.6931	56.71467983	9:00	57.66213876
46	3/3/2022	3:27:43 PM	50.9	41.3	49.6	41.7	48.7	123026.8771	13489.62883	91201.08394	14791.08388	74131.02413	48.01595358	63327.93957		10:00	60.68629694
51	3/3/2022	3:47:43 PM	58.9	48.9	56	57.2	61.3	776247.1166	77624.71166	398107.1706	524807.4602	1348962.883	57.95984144	625149.8683		11:00	60.30287452
56	3/3/2022	4:07:43 PM	64.6	60.2	55.4	62.1	62	2884031.503	1047128.548	346736.8505	1621810.097	1584893.192	61.75198602	1496920.038	62.65042531	12:00	55.92505681
61	3/3/2022	4:27:43 PM	61.4	56.4	58	58.9	60.4	1380384.265	436515.8322	630957.3445	776247.1166	1096478.196	59.36572323	864116.5508		13:00	58.57105477
66	3/3/2022	4:47:43 PM	68.4	65.5	54.5	65.8	61	6918309.709	3548133.892	281838.2931	3801893.963	1258925.412	64.99937177	3161820.254		14:00	59.67171339
71	3/3/2022	5:07:43 PM	55.7	56.9	64.8	58.2	62.6	371535.2291	489778.8194	3019951.72	660693.448	1819700.859	61.04600455	1272332.015	60.25616751	15:00	56.71467983
76	3/3/2022	5:27:43 PM	62.6	63.1	53.5	54.3	55.7	1819700.859	2041737.945	223872.1139	269153.4804	371535.2291	59.75523679	945199.9253		16:00	62.65042531
81	3/3/2022	5:47:43 PM	62.1	57.8	59.2	61.9	53.4	1621810.097	602559.5861	831763.7711	1548816.619	218776.1624	59.84412648	964745.2472		17:00	60.25616751
86	3/3/2022	6:07:43 PM	57.5	53.2	55.6	51.4	41.9	562341.3252	208929.6131	363078.0548	138038.4265	15488.16619	54.10903906	257575.1171	54.50864651	18:00	54.50864651
91	3/3/2022	6:27:43 PM	54.7	55.9	50	52.3	49.2	295120.9227	389045.145	100000	169824.3652	83176.37711	53.16878606	207433.362		19:00	52.01972203
96	3/3/2022	6:47:43 PM	55.3	55.7	53.6	56.5	57.2	338844.1561	371535.2291	229086.7653	446683.5922	524807.4602	55.82280957	382191.4406		20:00	57.13407163
101	3/3/2022	7:07:43 PM	56.3	52.5	51.4	44.7	46.2	426579.5188	177827.941	138038.4265	29512.09227	41686.93835	52.11464911	162728.9834	52.01972203	21:00	58.78197409
106	3/3/2022	7:27:43 PM	38.4	38	40.8	37	38.3	6918.309709	6309.573445	12022.64435	5011.872336	6760.829754	38.69504296	7404.645918		22:00	58.87301548
111	3/3/2022	7:47:43 PM	42.8	39.4	38.3	55.5	60.6	19054.60718	8709.6359	6760.829754	354813.3892	1148153.621	54.87842884	307498.4167		23:00	64.65340716
116	3/3/2022	8:07:43 PM	39.5	50.3	52.2	53.3	51.3	8912.509381	107151.9305	165958.6907	213796.209	134896.2883	51.00863588	126143.1256	57.13407163		
121	3/3/2022	8:27:43 PM	51.1	53.1	53.1	58.1	65.1	128824.9552	204173.7945	204173.7945	645654.229	3235936.569	59.46330738	883752.6685			
126	3/3/2022	8:47:43 PM	57.5	58.8	58.7	53.7	56.1	562341.3252	758577.575	741310.2413	234422.8815	407380.2778	57.33041871	540806.4602			
131	3/3/2022	9:07:43 PM	46.4	42.5	47.3	56.1	55.2	43651.58322	17782.7941	53703.17964	407380.2778	331131.1215	52.32309309	170729.7912	58.78197409		
136	3/3/2022	9:27:43 PM	58.9	58.2	53.6	59.1	61.7	776247.1166	660693.448	229086.7653	812830.5162	1479108.388	58.98502081	791593.2468			
141	3/3/2022	9:47:43 PM	60.9	53.7	60.9	65.3	56.4	1230268.771	234422.8815	1230268.771	3388441.561	436515.8322	61.15272117	1303983.563			
146	3/3/2022	10:07:43 PM	58	51.9	51	60.3	49.1	630957.3445	154881.6619	125892.5412	1071519.305	81283.05162	56.15852015	412906.7809	58.87301548		
151	3/3/2022	10:27:43 PM	56.6	57	56.7	59.2	66.7	457088.1896	501187.2336	467735.1413	831763.7711	4677351.413	61.42084336	1387025.15			
156	3/3/2022	10:47:43 PM	55.5	53.6	57.4	50.8	61.2	354813.3892	229086.7653	549540.8739	120226.4435	1318256.739	57.11288162	514384.8421			
161	3/3/2022	11:07:43 PM	53	57.3	49.7	68.2	71.7	199526.2315	537031.7964	93325.43008	6606934.48	14791083.88	66.47928466	4445580.364	64.65340716		
166	3/3/2022	11:27:43 PM	64.9	63.4	58.8	57.6	65.7	3090295.433	2187761.624	758577.575	575439.9373	3715352.291	63.15022124	2065485.372			
171	3/3/2022	11:47:43 PM	61.2	66	66.9	58.7	54.8	1318256.739	3981071.706	4897788.194	741310.2413	301995.172	63.51812614	2248084.41			
176	3/4/2022	12:07:43 AM	59.1	63.4	55.2	54.2	47.7	812830.5162	2187761.624	331131.1215	263026.7992	58884.36554	58.63755086	730726.8853	60.2305991		
181	3/4/2022	12:27:43 AM	49.6	53.8	46.9	50.7	53.9	91201.08394	239883.2919	48977.88194	117489.7555	245470.8916	51.72032197	148604.581			
186	3/4/2022	12:47:43 AM	64.1	64.9	53	63.8	65	2570395.783	3090295.433	199526.2315	2398832.919	3162277.66	63.58746601	2284265.605			
191	3/4/2022	1:07:43 AM	69.6	67.2	70.4	64.3	68.9	9120108.394	5248074.602	10964781.96	2691534.804	7762471.166	68.54754936	7157394.186	65.85996162		
196	3/4/2022	1:27:43 AM	63.8	55.4	61.4	68.1	67.1	2398832.919	346736.8505	1380384.265	6456542.29	5128613.84	64.9723687	3142222.033			
201	3/4/2022	1:47:43 AM	62.3	56.3	60.9	62.4	60.9	1698243.652	426579.5188	1230268.771	1737800.829	1230268.771	61.01964273	1264632.308			
206	3/4/2022	2:07:43 AM	61.2	62	59.9	58.1	60.8	1318256.739	1584893.192	977237.221	645654.229	1202264.435	60.59056191	1145661.163	57.58744421		
211	3/4/2022	2:27:43 AM	59.6	61	46.8	47.4	47.4	912010.8394	1258925.412	47863.00923	54954.08739	54954.08739	56.68144925	465741.487			
216	3/4/2022	2:47:43 AM	44.3	52.6	50.1	51.8	49.4	26915.34804	181970.0859	102329.2992	151356.1248	87096.359	50.41129831	109933.4434			
221	3/4/2022	3:07:43 AM	51.4	42.5	46.6	39	51.5	138038.4265	17782.7941	45708.81896	7943.282347	141253.7545	48.45999291	70145.41527	51.12749809		
226	3/4/2022	3:27:43 AM	44.2	56.5	53.7	54.8	53.4	26302.67992	446683.5922	234422.8815	301995.172	218776.1624	53.90292189	245636.0976			
231	3/4/2022	3:47:43 AM	51.7	48.3	46.1	49.4	43.5	147910.8388	67608.29754	40738.02778	87096.359	22387.21139	48.64203328	73148.1469			
236	3/4/2022	4:07:43 AM	42.7	42.4	42.1	45	46.8	18620.87137	17378.00829	16218.10097	31622.7766	47863.00923	44.20624893	26340.55329	47.97948694		
241	3/4/2022	4:27:43 AM	41.2	40.6	42.7	48.5	46.7	13182.56739	11481.53621	18620.87137	70794.57844	46773.51413	45.07459343	32170.61351			
246	3/4/2022	4:47:43 AM	50.7	50.7	46.3	51.7	53.5	117489.7555	117489.7555	42657.95188	147910.8388	223872.1139	51.13555933	129884.0831			
251	3/4/2022	5:07:43 AM	48.1	53	54.1	41.1	52.8	64565.4229	199526.2315	257039.5783	12882.49552	190546.0718	51.61104231	144911.96	55.24237254		
256	3/4/2022	5:27:43 AM	49.1	45.8	50.5	50	53.9	81283.05162	38018.93963	112201.8454	100000	245470.8916	50.62186787	115394.9456			
261	3/4/2022	5:47:43 AM	61.6	61.8	52.3	57.1	48.6	1445439.771	1513561.248	169824.3652	512861.384	72443.59601	58.70887139	742826.0729			
266	3/4/2022	6:07:43 AM	48.7	45.1	41.7	41.5	50.8	74131.02413	32359.36569	14791.08388	14125.37545	120226.4435	47.0864741	51126.65852	46.19781655		
271	3/4/2022	6:27:43 AM	47.3	45.6	47.5	38.1	48	53703.17964	36307.80548	56234.13252	6456.54229	63095.73445	46.35076192	43159.47887			
276	3/4/2022	6:47:43 AM	43.4	41.9	41.1	42.6	49.3	21877.61624	15488.16619	12882.49552	18197.00859	85113.80382	44.87305526	30711.81807			
281	3/4/2022	7:07:43 AM	45.7	48.1	46	48.5	53	37153.52291	64565.4229	39810.71706	70794.57844	199526.2315	49.15769565	82370.09456	57.10750393		
286	3/4/2022	7:27:43 AM	54.8	53.6	49.6	51.7	65.3	301995.172	229086.7653	91201.08394	147910.8388	3388441.561	59.19980844	831727.0843			
291	3/4/2022	7:47:43 AM	60.4	57.2	60.3	54.3	52.4	1096478.196	524807.4602	1071519.305	269153.4804	173780.0829	57.97369837	627147.705			
296	3/4/2022	8:07:43 AM	51.7	54.2	56.2	52.2	62.6	147910.8388	263026.7992	416869.3835	165958.6907	1819700.859	57.50271755	562693.3142	60.57640702		
301	3/4/2022	8:27:43 AM	56.4	62.9	66.1	56.3	48.8	436515.8322	1949844.6	4073802.778	426579.5188	75857.7575	61.43801472	1392520.097			
306	3/4/2022	8:47:43 AM	66.4	59.7	60.7	55.5	57.2	4365158.322	933254.3008	1174897.555	354813.3892	524807.4602	61.67490488	1470586.206			
311	3/4/2022	9:07:43 AM	51.8	56.7	64.9	49.8	52.7	151356.1248	467735.1413	3090295.433	95499.2586	186208.7137	59.02122025	798218.9342	57.66213876		
316	3/4/2022	9:27:43 AM	54.2	55.9	53.8	61.3	49.9	263026.7992	389045.145	239883.2919	1348962.883	97723.7221	56.69993711	467728.3682			
321	3/4/2022	9:47:43 AM	52.8	61.3	57.5	54.4	46.9	190546.0718	1348962.883	562341.3252	275422.8703	48977.88194	56.85965729	485250.2064			
326	3/4/2022	10:07:43 AM	66.9	62.1	54.8	62.4	54.4	4897788.194	1621810.097	301995.172	1737800.829	275422.8703	62.47227562	1766963.432	60.68629694		
331	3/4/2022	10:27:43 AM	54.8	61.4	52	56.4	56.5	301995.172	1380384.265	158489.3192	436515.8322	446683.5922	57.36247969	544813.6361			
336	3/4/2022	10:47:43 AM	64.1	58.3	62	57.7	57.7	2570395.783	676082.9754	1584893.192	588843.6554	588843.6554	60.79836483	1201811.852			
341	3/4/2022	11:07:43 AM	58.3	58.9	63.3	51.2	58.8	676082.9754	776247.1166	2137962.09	131825.6739	758577.575	59.5237542	896139.0861	60.30287452		
346	3/4/2022	11:27:43 AM	63.3	44.5	50.2	50	52.7	2137962.09	28183.82931	104712.8548	100000	186208.7137	57.08772186	511413.4975			
351	3/4/2022	11:47:43 AM	66.1	64.9	55.6	60.8	55	4073802.778	3090295.433	363078.0548	1202264.435	316227.766	62.57470662	1809133.693			

Calculated Ldn from Long-Term Noise Monitoring Data

Monitoring Location 2

3/3/2022-3/4/2024

	TIME		dBA	Numbers...	10 dBA More Numbers...	5 dBA
Midnight	0 / 24		60.2	1054532	10545324	3334724
am	1:00	100	65.9	3854750	38547495	12189788
	2:00	200	57.6	573779	5737787	1814448
	3:00	300	51.1	129643	1296432	409968
	4:00	400	48.0	62798	627984	198586
	5:00	500	55.2	334378	3343777	1057395
	6:00	600	46.2	41666	416660	131759
	7:00	700	57.1	513748	5137483	1624615
	8:00	800	60.6	1141933	11419332	3611110
	9:00	900	57.7	583733	5837325	1845924
	10:00	1000	60.7	1171196	11711963	3703648
	11:00	1100	60.3	1072229	10722288	3390685
	12:00	1200	55.9	391296	3912962	1237387
pm	13:00	1300	58.6	719624	7196237	2275650
	14:00	1400	59.7	927196	9271956	2932050
	15:00	1500	56.7	469319	4693188	1484116
	16:00	1600	62.7	1840952	18409523	5821602
	17:00	1700	60.3	1060759	10607591	3354415
	18:00	1800	54.5	282400	2824000	893027
	19:00	1900	52.0	159211	1592107	503468
	20:00	2000	57.1	516901	5169008	1634584
	21:00	2100	58.8	755436	7554355	2388897
	22:00	2200	58.9	771439	7714389	2439504
pm	23:00	2300	64.7	2919717	29197167	9232955

Leq Nighttime 10:00 p.m.-7:00 a.m. (not penalized)

60 dBA

Leq Daytime 7:00 am-10:00 p.m.

59 dBA

Leq 24-Hour

59 dBA

Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.

67 dBA

CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m., and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.

67 dBA

Leq Low

46 dBA

and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.

CNEL - Ldn 0.121577

RCNM Outputs for Construction Noise

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Subtransmission Line Staging Area

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Gradall	No	40		83.4	50	0
Generator	No	50		80.6	50	0

		Results													
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)						
			Day		Evening		Night		Day		Evening		Night		
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Gradall	83.4	79.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	80.6	77.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.4	81.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Subtransmission Line Civil Crew (Road Work, Foundations, Ducts)

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Dozer	No	40		81.7	50	0
Grader	No	40	85		50	0

		Results													
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)						
			Day		Evening		Night		Day		Evening		Night		
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	85	81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85	82.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Subtransmission Line Civil Crew (Road Maintenance)

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Pickup Truck	No	40		75	50	0
Grader	No	40	85		50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	85	81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85	81.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Subtransmission Line Structure Installation

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Pickup Truck	No	40		75	50	0
Front End Loader	No	40		79.1	50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	79.1	76.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Subtransmission Line Install Conductor/Cable

				---- Receptor #1 ----
	Baselines (dBA)			
Description	Land Use	Daytime	Evening	Night
Residential	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Front End Loader	No	40		79.1	50	0
Dozer	No	40		81.7	50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	81.7	79.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Subtransmission Line ADSS/OPGW Splicing

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	55	55	50

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Pickup Truck	No	40		75	50	0
Pickup Truck	No	40		75	50	0

	Results													
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Subtransmission Line - Restoration

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Residential	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85		50	0
Compactor (ground)	No	20		83.2	50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	85	81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Compactor (ground)	83.2	76.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85	82.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Civil Crew (Site Grading)

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Mendiburu	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85		50	0
Grader	No	40	85		50	0

	Results													
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	85	81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	85	81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85	84	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation - Civil Crew (Channel Install & Additions))

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Mendiburu	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40	85		50	0
Grader	No	40	85		50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
	Day		Evening		Night		Day		Evening		Night			
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	85	81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	85	81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85	84	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Civil Crew (Foundation)

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Mendiburu	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84		50	0
Tractor	No	40	84		50	0

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		84	80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		84	80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	84	83	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Electrical Crew

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Mendiburu	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Gradall	No	40		83.4	50	0
Gradall	No	40		83.4	50	0

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Gradall		83.4	79.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gradall		83.4	79.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	83.4	82.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Maintenance Crew

			---- Receptor #1 ----
	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Mendiburu	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Pickup Truck	No	40		75	50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Test Crew

			---- Receptor #1 ----		
	Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night	
Mendiburu	Residential	55	55	50	

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Pickup Truck	No	40		75	50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Test Crew and Wireman (Cutover)

			---- Receptor #1 ----		
	Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night	
Mendiburu	Residential	55	55	50	

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Pickup Truck	No	40		75	50	0
Pickup Truck	No	40		75	50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Demolition - Test Crew

			---- Receptor #1 ----		
	Baselines (dBA)				
Description	Land Use	Daytime	Evening	Night	
Mendiburu	Residential	55	55	50	

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Pickup Truck	No	40		75	50	0
Pickup Truck	No	40		75	50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75	74	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Demolition - Maintenance Crew

			---- Receptor #1 ----
	Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Mendiburu	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Pickup Truck	No	40		75	50	0

			Results											
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Pickup Truck	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	75	71	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Demolition - Electrical Crew

		---- Receptor #1 ----		
	Baselines (dBA)			
Description	Land Use	Daytime	Evening	Night
Mendiburu	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Gradall	No	40		83.4	50	0
Gradall	No	40		83.4	50	0

		Results													
	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)						
			Day		Evening		Night		Day		Evening		Night		
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Gradall	83.4	79.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gradall	83.4	79.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.4	82.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date 9/17/2024
Case Descr Cal City Substation Demolition - Civil Crew

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Mendiburu	Residential	55	55	50

			Equipment			
			Spec	Actual	Receptor	Estimated
	Impact		Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Tractor	No	40	84		50	0
Tractor	No	40	84		50	0

		Results													
		Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Tractor		84	80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		84	80	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Total	84	83	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Attenuation from Hard Site to Soft Site for Construction Noise

Conversion of Distance Attenuation from Hard Site to Soft Site

KRAMER–CAL CITY 115 KV SUBTRANSMISSION LINE CONSTRUCTION NOISE ESTIMATES

Receptor	Distance X (feet)	Source dBA at 50 feet from RCNM (hard surface)	dBA at Distance X feet (soft surface)
Staging Areas			
Twenty Mule Team Parkway and Rudnick Road	34070	81.6	10.76494677
U.S. Route 395 and Tewnty Mule Team Road	380	81.6	59.57966019
Civil Crew (Road Work, Foundations, Ducts)			
Twenty Mule Team Parkway and Rudnick Road	140	82.7	71.52104922
U.S. Route 395 and Tewnty Mule Team Road	845	82.7	52.00283238
Civil Crew (Road Maintenance)			
Twenty Mule Team Parkway and Rudnick Road	140	81.4	70.22104922
U.S. Route 395 and Tewnty Mule Team Road	845	81.4	50.70283238
Structure Installation			
Twenty Mule Team Parkway and Rudnick Road	140	76.6	65.42104922
U.S. Route 395 and Tewnty Mule Team Road	845	76.6	45.90283238
Install Conductor/Cable			
Twenty Mule Team Parkway and Rudnick Road	140	79.6	68.42104922
U.S. Route 395 and Tewnty Mule Team Road	845	79.6	48.90283238
All-Dielectric Self-Supporting/Optical Ground Wire (ADSS/OPGW) Splicing			
Twenty Mule Team Parkway and Rudnick Road	140	74	62.82104922
U.S. Route 395 and Tewnty Mule Team Road	845	74	43.30283238
Restoration (at end of construction activities)			
Twenty Mule Team Parkway and Rudnick Road	140	82.3	71.12104922
U.S. Route 395 and Tewnty Mule Team Road	845	82.3	51.60283238

Conversion of Distance Attenuation from Hard Site to Soft Site

NEW CAL CITY–EDWARDS–HOLGATE 115 KV SUBTRANSMISSION LINE CONSTRUCTION NOISE ESTIMATES

Receptor	Distance X	Source dBA at 50 feet from RCNM (hard surface)	dBA at Distance X feet (soft surface)
Staging Areas			
Claymine Road and Hillcrest Avenue	330	81.6	61.11140161
Mendiburu Road and Hacienda Boulevard	620	81.6	54.26445787
Civil Crew (Road Work, Foundations, Ducts)			
Claymine Road and Hillcrest Avenue	315	82.7	62.71648626
Mendiburu Road and Hacienda Boulevard	1050	82.7	49.64451763
Civil Crew (Road Maintenance)			
Claymine Road and Hillcrest Avenue	315	81.4	61.41648626
Mendiburu Road and Hacienda Boulevard	1050	81.4	48.34451763
Structure Installation			
Claymine Road and Hillcrest Avenue	315	76.6	56.61648626
Mendiburu Road and Hacienda Boulevard	1050	76.6	43.54451763
Install Conductor/Cable			
Claymine Road and Hillcrest Avenue	315	79.6	59.61648626
Mendiburu Road and Hacienda Boulevard	1050	79.6	46.54451763
All-Dielectric Self-Supporting/Optical Ground Wire (ADSS/OPGW) Splicing			
Claymine Road and Hillcrest Avenue	315	74	54.01648626
Mendiburu Road and Hacienda Boulevard	1050	74	40.94451763
Restoration (at end of construction activities)			
Claymine Road and Hillcrest Avenue	315	82.3	62.31648626
Mendiburu Road and Hacienda Boulevard	1050	82.3	49.24451763

Conversion of Distance Attenuation from Hard Site to Soft Site

CAL CITY SUBSTATION IMPROVEMENTS CONSTRUCTION NOISE ESTIMATES

Receptor	Distance X	Source dBA at 50 feet from RCNM (hard surface)	dBA at Distance X feet (soft surface)
Civil Crew (Site Grading)			
Mendiburu Road and Hacienda Boulevard	780	84	54.17188504
Civil Crew (Channel Install & Additions)			
Mendiburu Road and Hacienda Boulevard	780	84	54.17188504
Civil Crew (Foundation)			
Mendiburu Road and Hacienda Boulevard	780	83	53.17188504
Electrical Crew			
Mendiburu Road and Hacienda Boulevard	780	82.4	52.57188504
Maintenance Crew			
Mendiburu Road and Hacienda Boulevard	780	71	41.17188504
Test Crew			
Mendiburu Road and Hacienda Boulevard	780	71	41.17188504
Test Crew and Wireman (Cutover)			
Mendiburu Road and Hacienda Boulevard	780	74	44.17188504
Demolition - Test Crew			
Mendiburu Road and Hacienda Boulevard	780	74	44.17188504
Demolition - Maintenance Crew			
Mendiburu Road and Hacienda Boulevard	780	71	41.17188504
Demolition - Electrical Crew			
Mendiburu Road and Hacienda Boulevard	780	82.4	52.57188504
Demolition - Civil Crew			
Mendiburu Road and Hacienda Boulevard	780	83	53.17188504

Helicopter Noise

Helicopter Noise

Ni = No - 20(log Di/Do)	
where:	
Ni=	attenuated noise level of interest
No=	reference noise level
Di=	distance to receptor
Do=	reference distance

Helicopter Noise from Staging Area 1-6 to the nearest receptor		
No=	88	dBA
Di=	34340	ft
Do=	150	ft
Ni=	40.81	dBA

Helicopter Noise from Staging Area 1-10 to the nearest receptor		
No=	88	dBA
Di=	200	ft
Do=	150	ft
Ni=	85.50	dBA

Helicopter Noise from Staging Area 1-3 to the nearest receptor		
No=	88	dBA
Di=	330	ft
Do=	150	ft
Ni=	81.15	dBA

Helicopter Noise from Staging Area 1-17 to the nearest receptor		
No=	88	dBA
Di=	280	ft
Do=	150	ft
Ni=	82.58	dBA

Distance of Helicopter Noise to California City threshold of 60.4 dBA		
No=	88	dBA
Di=	3600	ft
Do=	150	ft
Ni=	60.40	dBA

*Helicopter operations could be expected to generate noise levels of up to approximately 88 dBA at a distance of 150 feet.

U.S. Forest Service. 2022. Sound Measurements of Helicopters during Logging Operations at Southwestern Oregon Timber Sales. Available online at: https://www.fs.fed.us/eng/techdev/IM/sound_measure/helo_index.shtml.

Operational Noise

Cal City Substation Upgrade Noise

Conversion of sound power level to sound pressure level
Lp = Lw-8 at 1 meter using below formula.

$$Lp = Lw - \left|10log\left({}^{Q}/_{4\pi r^2}\right)\right|$$

Q =	2	
r =	1	meter
-7.98236		

Sound power level	69	69	69	69	69	69	54	54
Sound pressue level at 3 feet	76.98	76.98	76.98	76.98	76.98	76.98	61.98	61.98
Noise Levels	76.98	76.98	76.98	76.98	76.98	76.98	61.98	61.98
Numbers	49915586	49915586	49915586	49915586	49915586	49915586	1578469	1578469
dBA	76.982362	76.982362	76.98236	76.982362	76.98236	76.98236	61.98236	61.98236

Added Noise Sources (dBA)	84.809413

*See Caltrans Page 14

Distance from source (ft.)	**Source dBA at 3 feet and 50 feet**	**dBA at distance from source**
50	84.809413	60.37244
850	60.372438	29.61122
*Point source with hard site from 3 to 50 feet; point source with soft site from 50 to 850 feet.		

				10 dBA	**5 dBA**
			Numbers...	**More**	
	TIME	**dBA**	**Numbers...**		
Midnight	0 / 24	29.6	914	9144	2891
am 1:00	100	29.6	914	9144	2891
2:00	200	29.6	914	9144	2891
3:00	300	29.6	914	9144	2891
4:00	400	29.6	914	9144	2891
5:00	500	29.6	914	9144	2891
6:00	600	29.6	914	9144	2891
7:00	700	29.6	914	9144	2891
8:00	800	29.6	914	9144	2891
9:00	900	29.6	914	9144	2891
10:00	1000	29.6	914	9144	2891
11:00	1100	29.6	914	9144	2891
12:00	1200	29.6	914	9144	2891
pm 13:00	1300	29.6	914	9144	2891
14:00	1400	29.6	914	9144	2891
15:00	1500	29.6	914	9144	2891
16:00	1600	29.6	914	9144	2891
17:00	1700	29.6	914	9144	2891
18:00	1800	29.6	914	9144	2891
19:00	1900	29.6	914	9144	2891
20:00	2000	29.6	914	9144	2891
21:00	2100	29.6	914	9144	2891
22:00	2200	29.6	914	9144	2891
pm 23:00	2300	29.6	914	9144	2891

Leq Nighttime 10:00 p.m.-7:00 a.m. (not penalized)
30 dBA

Leq Daytime 7:00 am-10:00 p.m.
30 dBA

Leq 24-Hour
30 dBA

Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
36 dBA

CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
36 dBA **and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

CNEL - Ldn 0.260343

Operational Subtransmission Line Corona Noise

Ni = No - 20(log Di/Do)	
where:	
Ni=	attenuated noise level of interest
No=	reference noise level
Di=	distance to receptor
Do=	reference distance

Kramer-Cal City and Cal City-Edwards-Holgate subtransmission line		
No=	37	dBA
Di=	42	ft
Do=	25	ft
Ni=	32.49	dBA
*According to the Electric Power Research Institute (EPRI), noise levels 25 feet directly below 138 kV transmission lines under wet conditions tend to be approximately 37 dBA .		

					10 dBA	5 dBA
				Numbers...	More	
		TIME	dBA		Numbers...	
Midnight		0 / 24	32.5	1776	17757	5615
am	1:00	100	32.5	1776	17757	5615
	2:00	200	32.5	1776	17757	5615
	3:00	300	32.5	1776	17757	5615
	4:00	400	32.5	1776	17757	5615
	5:00	500	32.5	1776	17757	5615
	6:00	600	32.5	1776	17757	5615
	7:00	700	32.5	1776	17757	5615
	8:00	800	32.5	1776	17757	5615
	9:00	900	32.5	1776	17757	5615
	10:00	1000	32.5	1776	17757	5615
	11:00	1100	32.5	1776	17757	5615
	12:00	1200	32.5	1776	17757	5615
pm	13:00	1300	32.5	1776	17757	5615
	14:00	1400	32.5	1776	17757	5615
	15:00	1500	32.5	1776	17757	5615
	16:00	1600	32.5	1776	17757	5615
	17:00	1700	32.5	1776	17757	5615
	18:00	1800	32.5	1776	17757	5615
	19:00	1900	32.5	1776	17757	5615
	20:00	2000	32.5	1776	17757	5615
	21:00	2100	32.5	1776	17757	5615
	22:00	2200	32.5	1776	17757	5615
pm	23:00	2300	32.5	1776	17757	5615

Leq Nighttime 10:00 p.m.-7:00 a.m. (not penalized)
32 dBA

Leq Daytime 7:00 am-10:00 p.m.
33 dBA

Leq 24-Hour
32 dBA

Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
39 dBA

CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
39 dBA **and 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.**

CNEL - Ldn 0.260343

Vibration Modeling

Vibration propogation from Construction Equipment

Kramer–Cal City 115 kV Subtransmission Line

Formula from FTA, 2018 = PPVequip = PPVref x (25/D)^1.5
where

Receptor 1: Twenty Mule Team Parkway and Rudnick Road

PPV refs @ 25 ft =		PPV@25ft
	pile driver (impact)	0.65
	Vibratory Roller	0.21
	Bulldozer (large)	0.089
	Caisson drill	0.089
	Truck(loaded)	0.076
	Jackhammer	0.035
	Dozer (Small)	0.003

Enter distance = 140 Adjacent Buildings

Resultant PPV =		
	pile driver (impact)	0.049049
	Vibratory Roller	0.015847
	Bulldozer (large)	0.006716
	Caisson drill	0.006716
	Truck(loaded)	0.005735
	Jackhammer	0.002641

	Lv@25 ft
pile driver (impact)	104
Vibratory Roller	94
Bulldozer (large)	87
Caisson drill	87
Truck(loaded)	86
Jackhammer	79
Dozer (Small)	53

Formula from FTA 2006 = Lv(D) = Lv(25 ft) – 30log(D/25)

Resultant Lv =		
	pile driver (impact)	81.55436
	Vibratory Roller	71.55436
	Bulldozer (large)	64.55436
	Caisson drill	64.55436
	Truck(loaded)	63.55436
	Jackhammer	56.55436
	Dozer (Small)	30.55436

Cal City–Edwards–Holgate 115 kV

Formula from FTA, 2018 = PPVequip = PPVref x (25/D)^1.5
where

Receptor 2: Church of Jesus Christ

PPV refs @ 25 ft =		PPV@25ft
	pile driver (impact)	0.65
	Vibratory Roller	0.21
	Bulldozer (large)	0.089
	Caisson drill	0.089
	Truck(loaded)	0.076
	Jackhammer	0.035
	Dozer (Small)	0.003

Enter distance = 330 Adjacent Buildings

Resultant PPV =		
	pile driver (impact)	0.013553531
	Vibratory Roller	0.004378833
	Bulldozer (large)	0.001855791
	Caisson drill	0.001855791
	Truck(loaded)	0.001584721
	Jackhammer	0.000729806

	Lv@25 ft
pile driver (impact)	104
Vibratory Roller	94
Bulldozer (large)	87
Caisson drill	87
Truck(loaded)	86
Jackhammer	79
Dozer (Small)	53

Formula from FTA 2006 = Lv(D) = Lv(25 ft) – 30log(D/25)

Resultant Lv =		
	pile driver (impact)	70.38278
	Vibratory Roller	60.38278
	Bulldozer (large)	53.38278
	Caisson drill	53.38278
	Truck(loaded)	52.38278
	Jackhammer	45.38278
	Dozer (Small)	19.38278

Cal City Substation Improvements

Formula from FTA, 2018 = PPVequip = PPVref x (25/D)^1.5
where

Receptor 3: Mendiburu Road

PPV refs @ 25 ft =		PPV@25ft
	pile driver (impact)	0.65
	Vibratory Roller	0.21
	Bulldozer (large)	0.089
	Caisson drill	0.089
	Truck(loaded)	0.076
	Jackhammer	0.035
	Dozer (Small)	0.003

Enter distance = 780 Adjacent Buildings

Resultant PPV =		
	pile driver (impact)	0.00373
	Vibratory Roller	0.001205
	Bulldozer (large)	0.000511
	Caisson drill	0.000511
	Truck(loaded)	0.000436
	Jackhammer	0.000201

	Lv@25 ft
pile driver (impact)	104
Vibratory Roller	94
Bulldozer (large)	87
Caisson drill	87
Truck(loaded)	86
Jackhammer	79
Dozer (Small)	53

Formula from FTA 2006 = Lv(D) = Lv(25 ft) – 30log(D/25)

Resultant Lv =		
	pile driver (impact)	59.17536
	Vibratory Roller	49.17536
	Bulldozer (large)	42.17536
	Caisson drill	42.17536
	Truck(loaded)	41.17536
	Jackhammer	34.17536
	Dozer (Small)	8.175362

Appendix K
Tribal Consultation

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Tribal Secretary Amanda Barrera
Colorado River Indian Tribes
26600 Mohave Road
Parker, AZ 85344

Re: Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Tribal Secretary Amanda Barrera,

Pursuant to California Assembly Bill (AB) 52, the California Public Utilities Commission (CPUC) is providing you with formal notification of the Cal City Substation 115 kV Upgrade Project (proposed project), located in unincorporated Kern and San Bernardino Counties, the City of California City, and Edwards Air Force Base (EAFB) in the Mojave Desert region of California on federal, state, private, and municipal land. The CPUC, as lead agency, is reaching out to all groups listed on the California Native American Heritage Commission (NAHC) Sacred Lands File Contact List in a good faith effort to provide notification of the proposed project to groups that are traditionally or culturally affiliated with the geographic area of the proposed project. The present notice includes:

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- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
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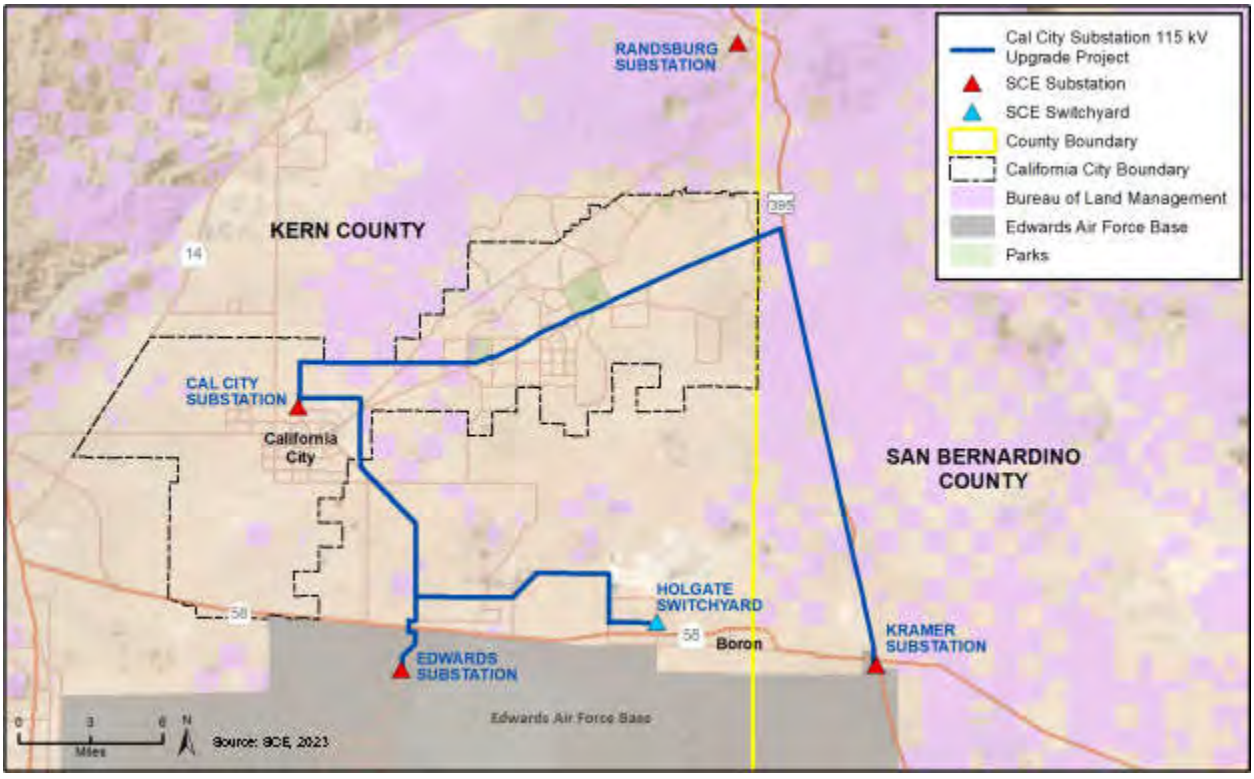

Image 1. California City Project Map (SCE, 2023)

Summary of Cultural Resources Work and Documentation

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Consultation Request

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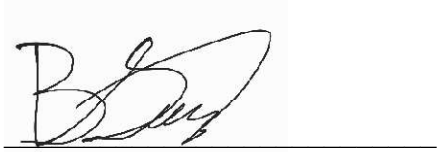

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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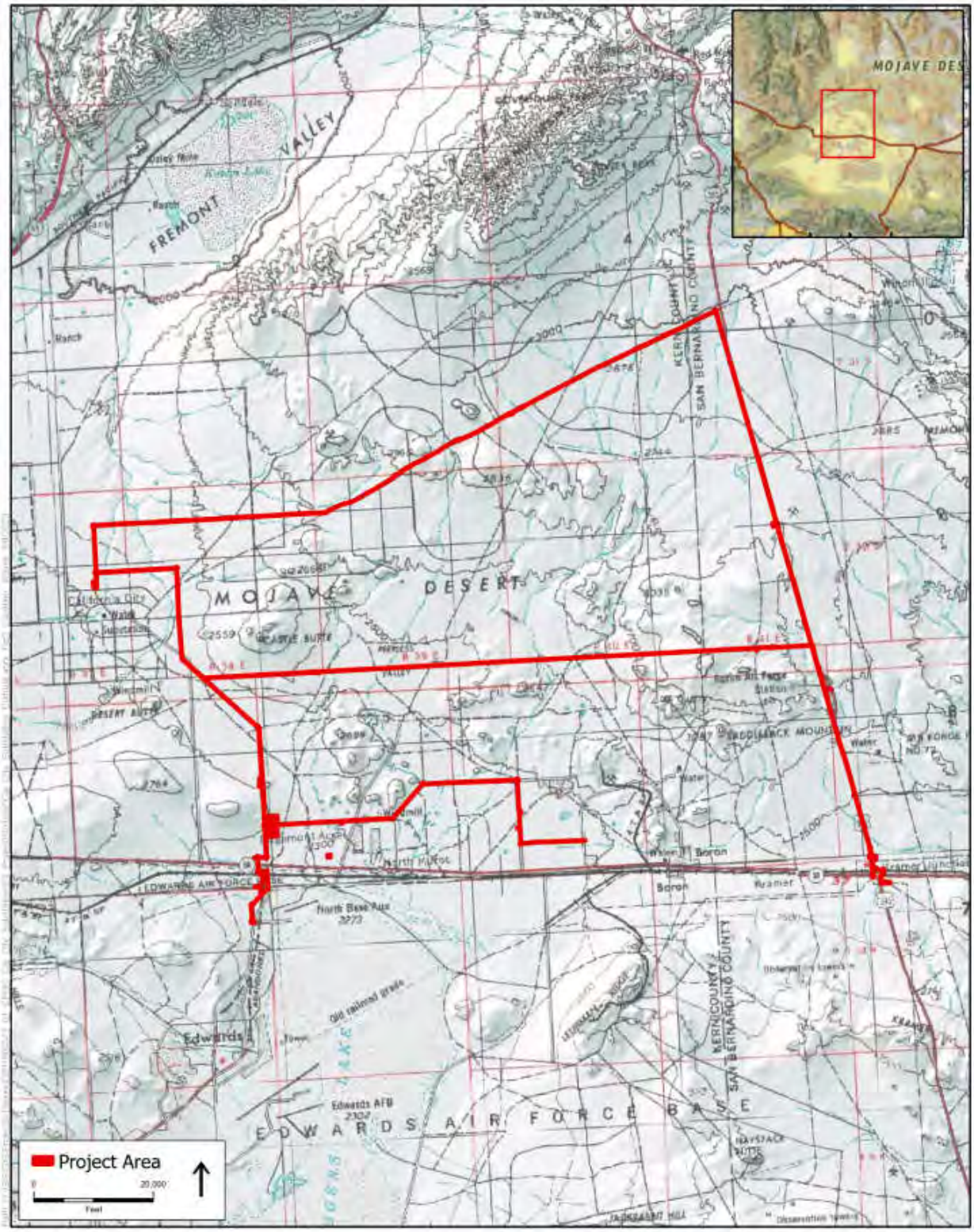

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

THPO Ann Brierty
Morongo Band of Mission Indians
12700 Pumarra Road
Banning, CA 92220

Re: Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

THPO Ann Brierty,

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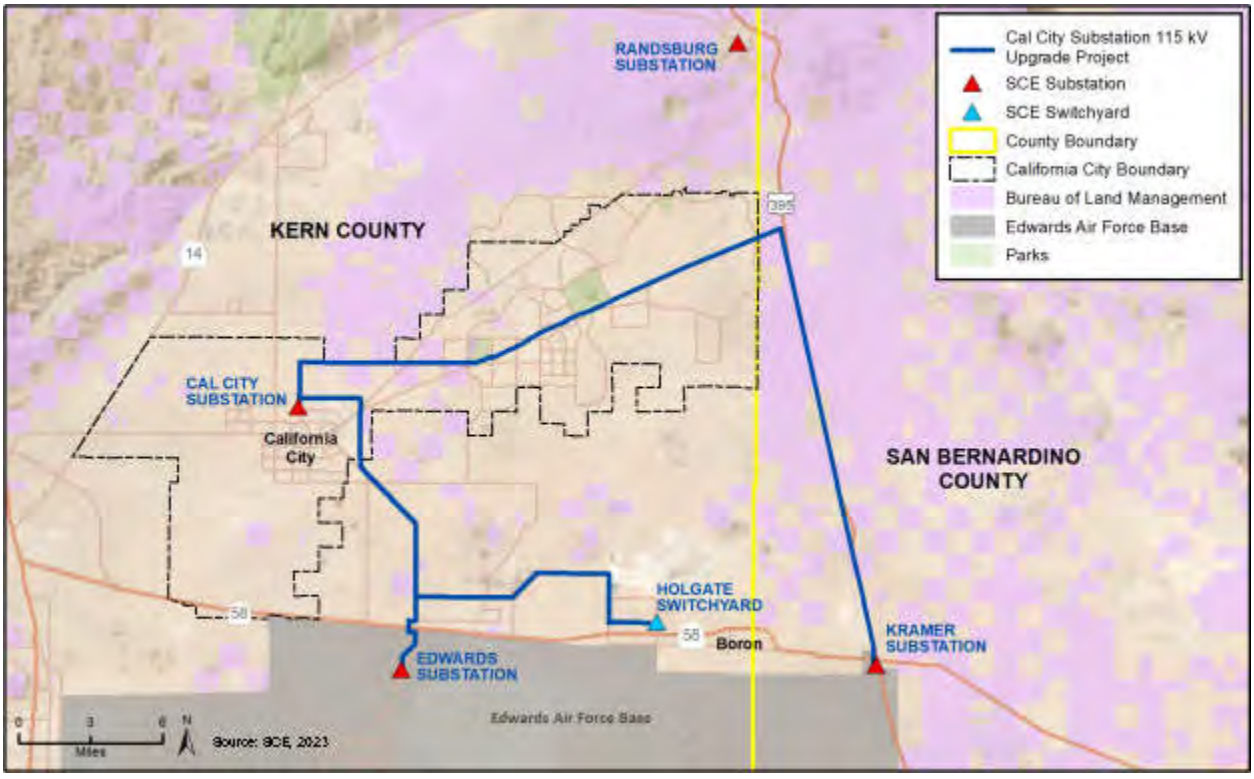

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Consultation Request

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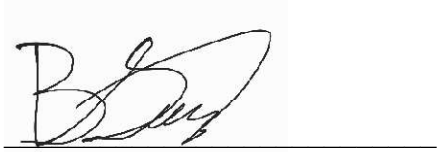

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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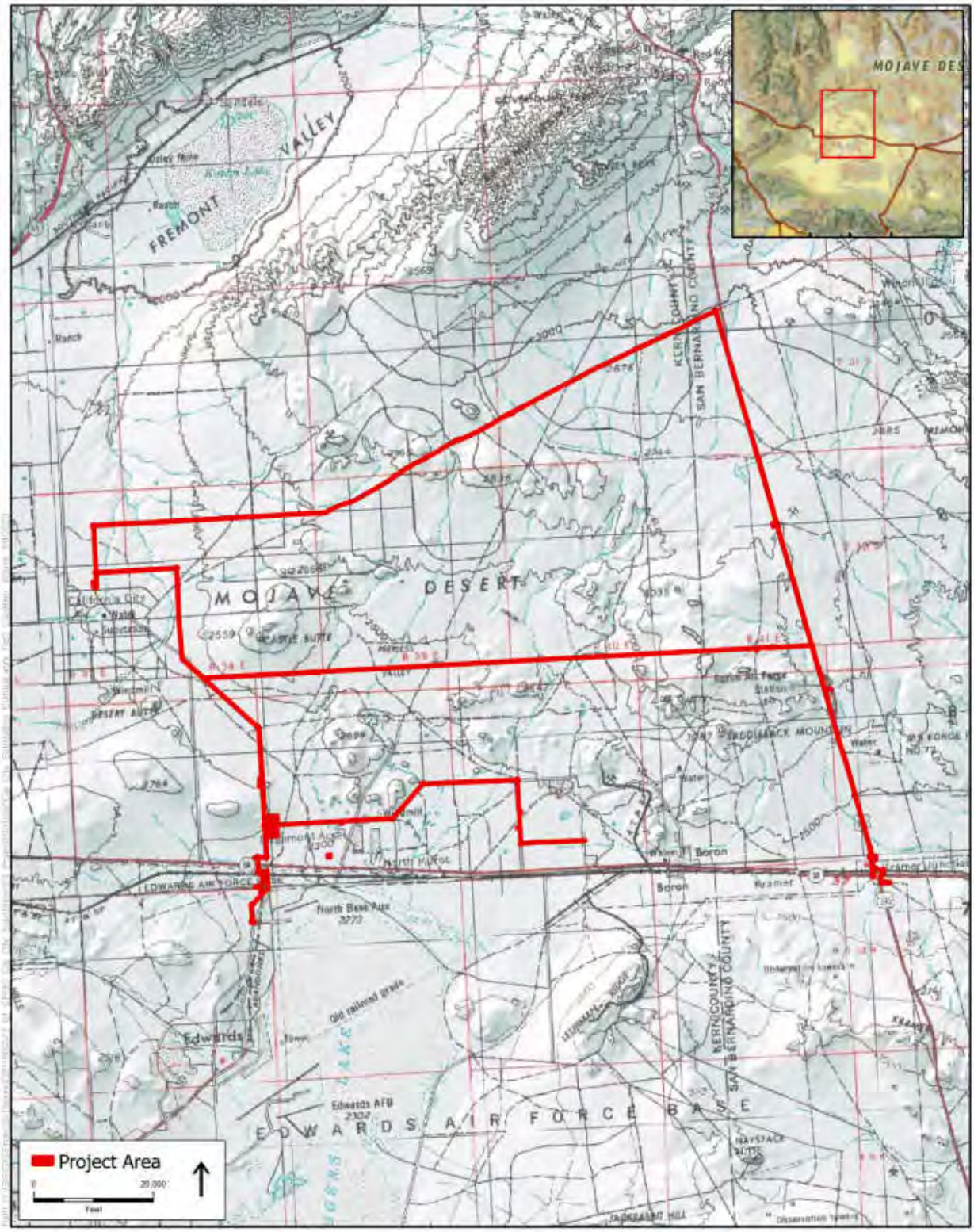

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Director of the Cultural Resources Management
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland, CA 92346

Re: Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

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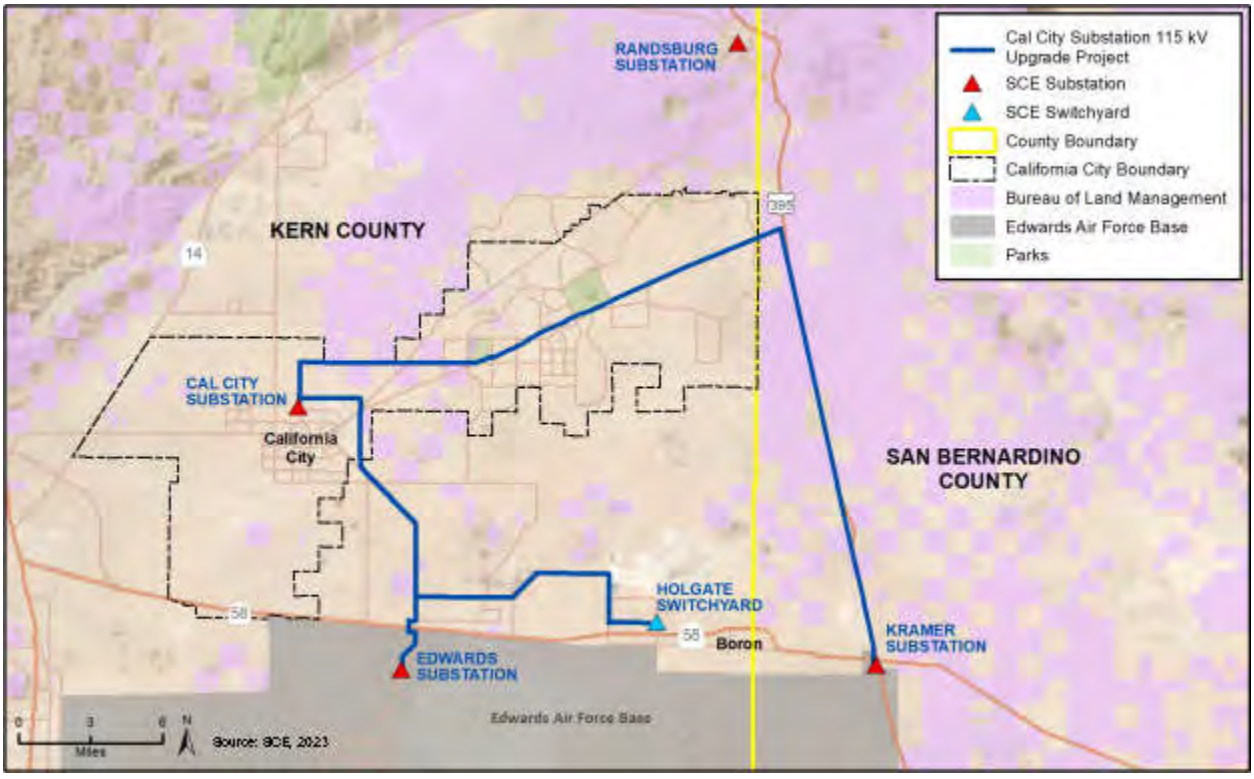

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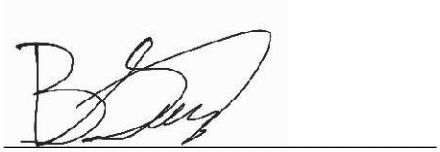

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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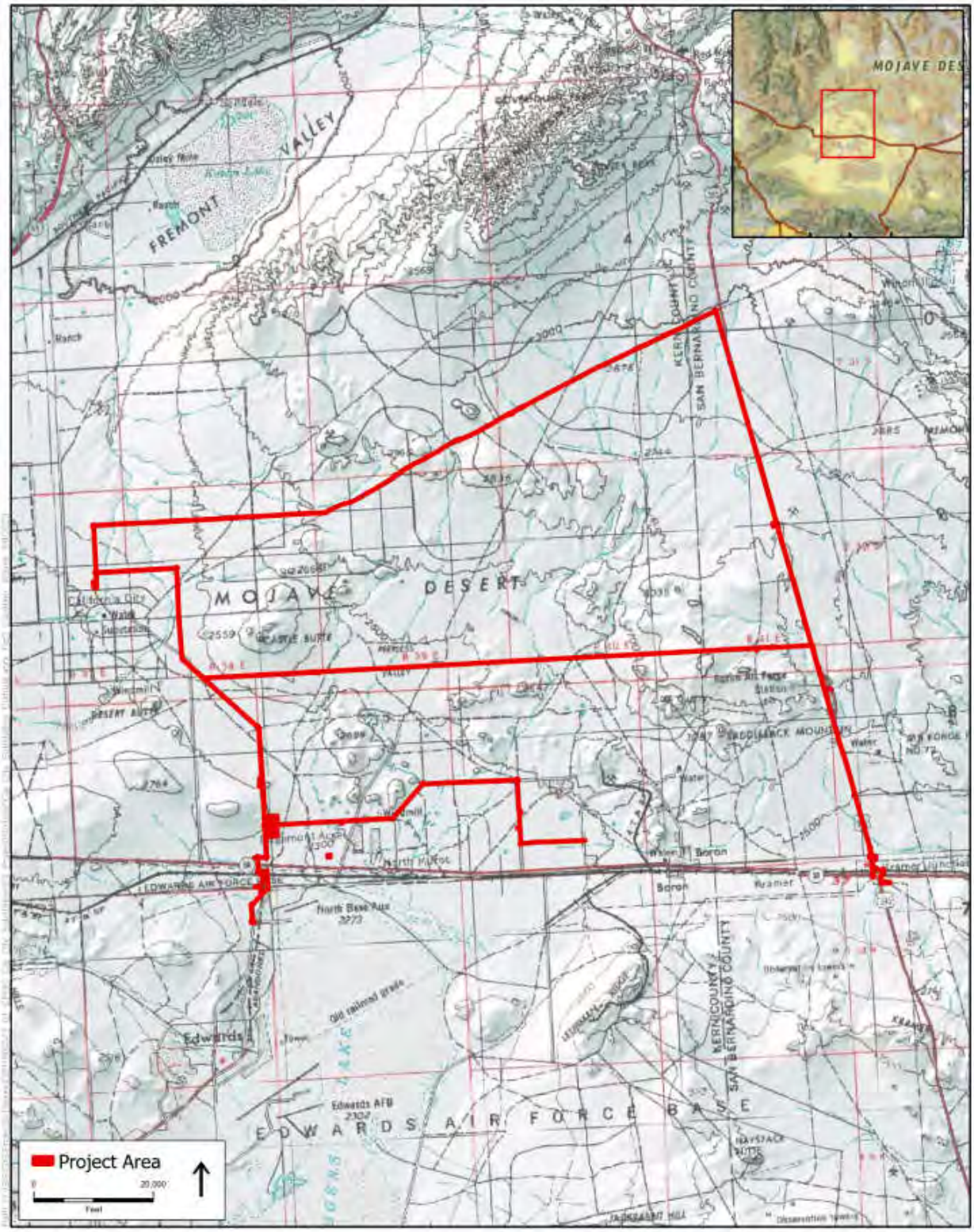

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D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

CRM Scheduler Candice Garza
Tejon Indian Tribe
4941 David Road
Bakersfield, CA 93307

Re: ***Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project***

CRM Scheduler Candice Garza,

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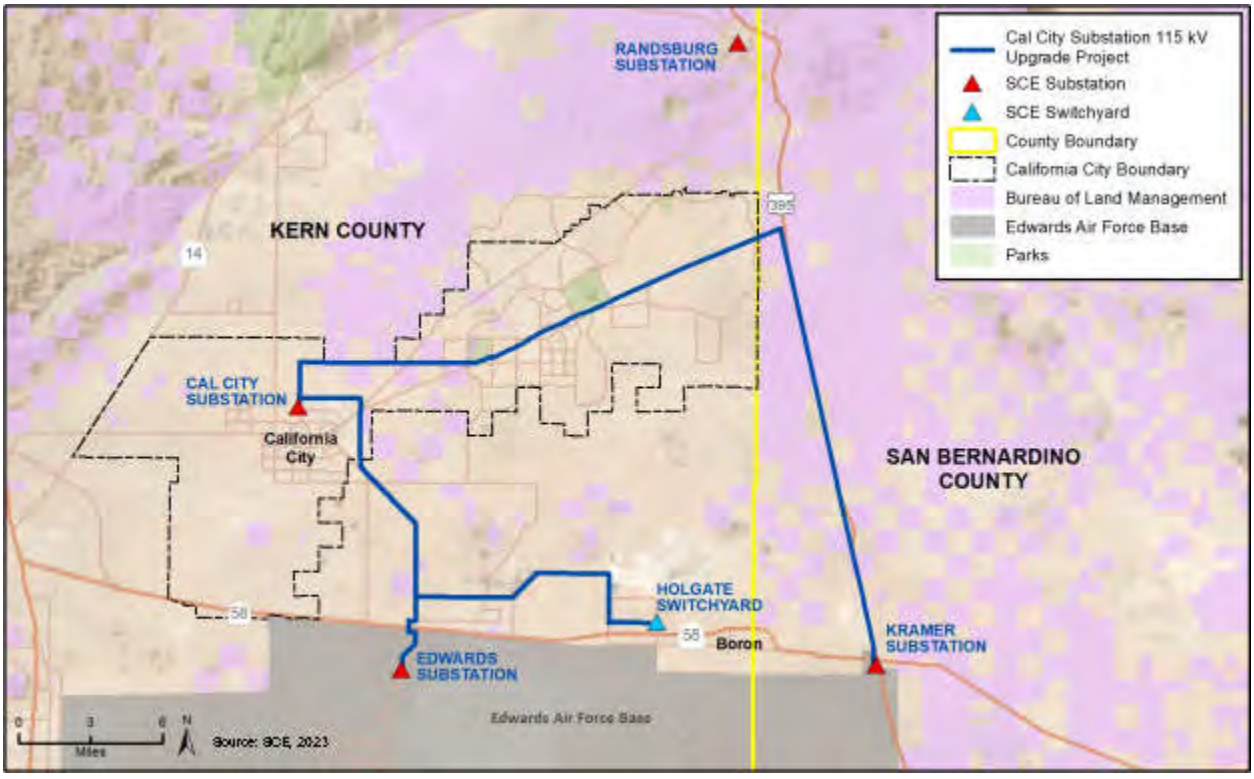

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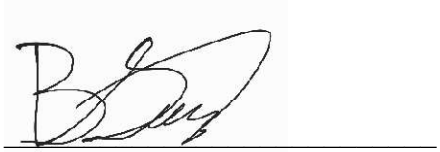

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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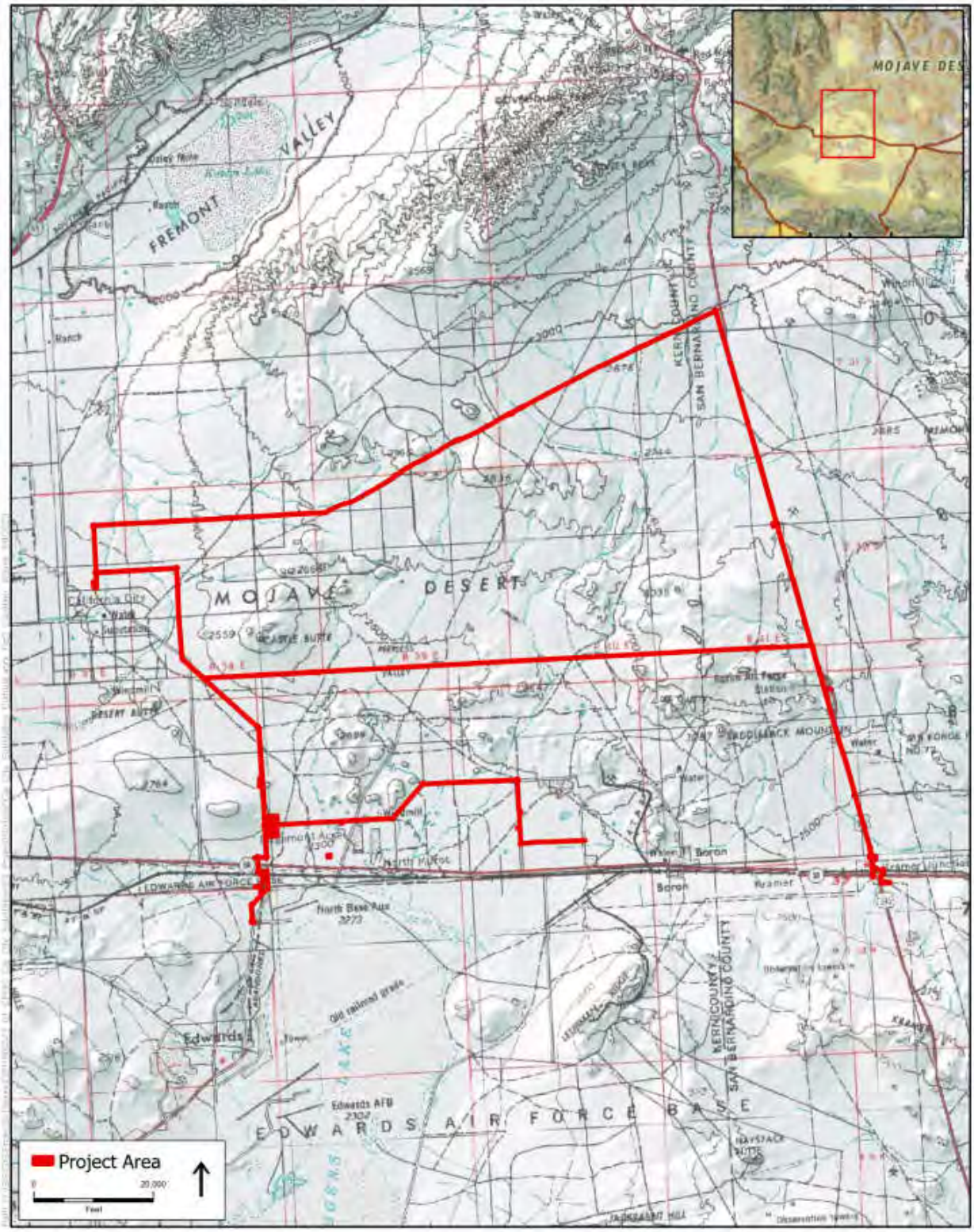

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D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Quechan Tribal Council President Jordan Joaquin
Fort Yuma Quechan Indian Tribe
P.O. Box 1899
Yuma, AZ 85366

Re: Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Quechan Tribal Council President Jordan Joaquin,

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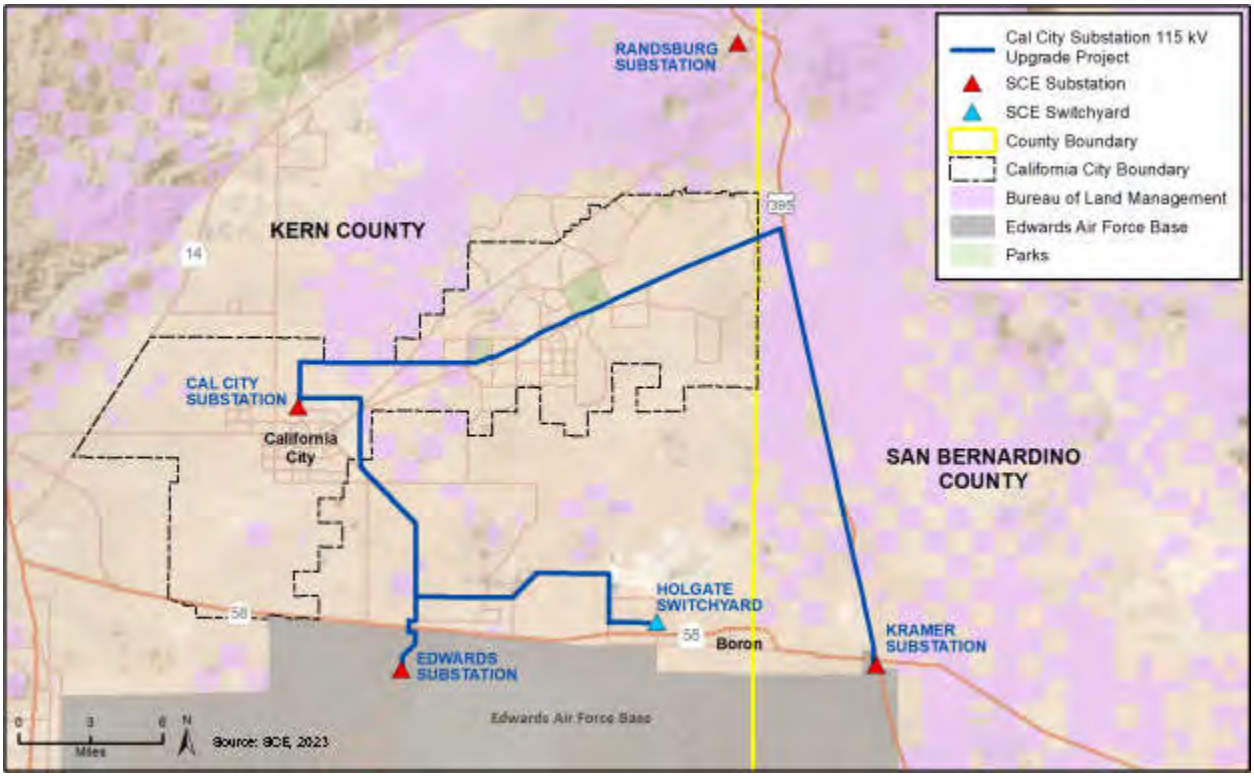

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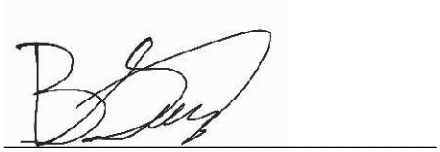
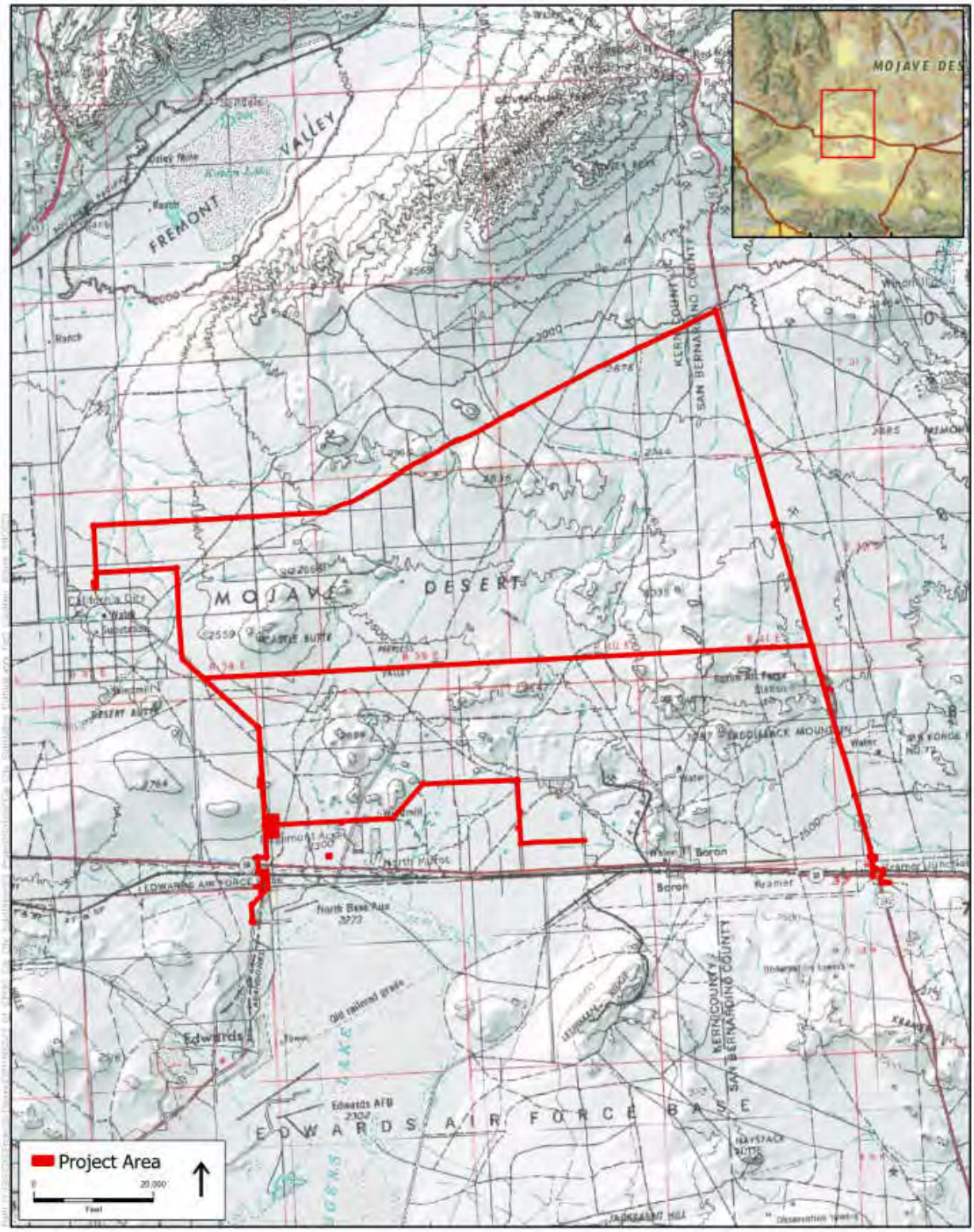


Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

Attachments:
Figure 1. Project Location Map.

Subject: *Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project*



SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Director of Cultural Resources Clint Linton
Santa Ysabel Band of Lipay Nation (Kumeyaay)
P.O. Box 507
Santa Ysabel, CA 92070

Re: ***Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project***

Director of Cultural Resources Clint Linton,

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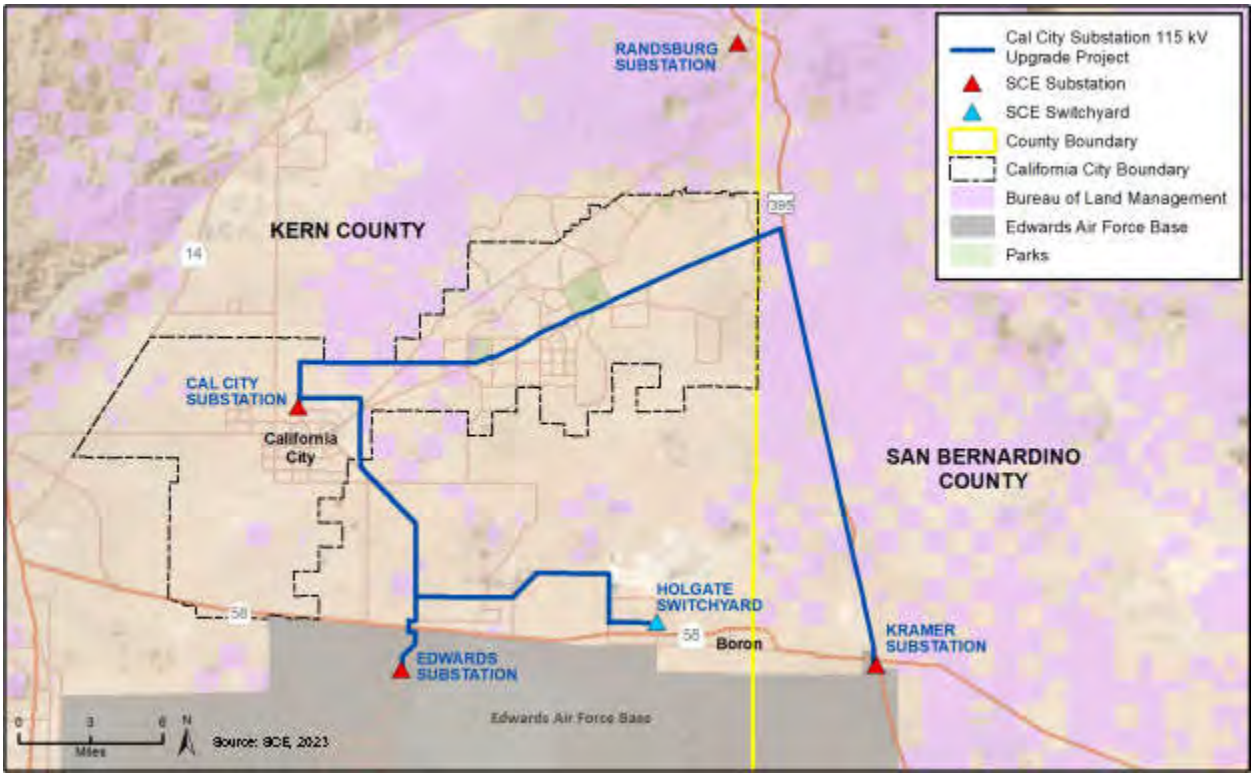

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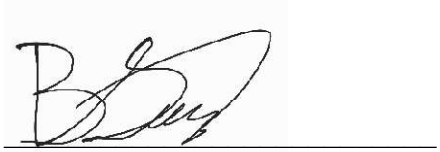

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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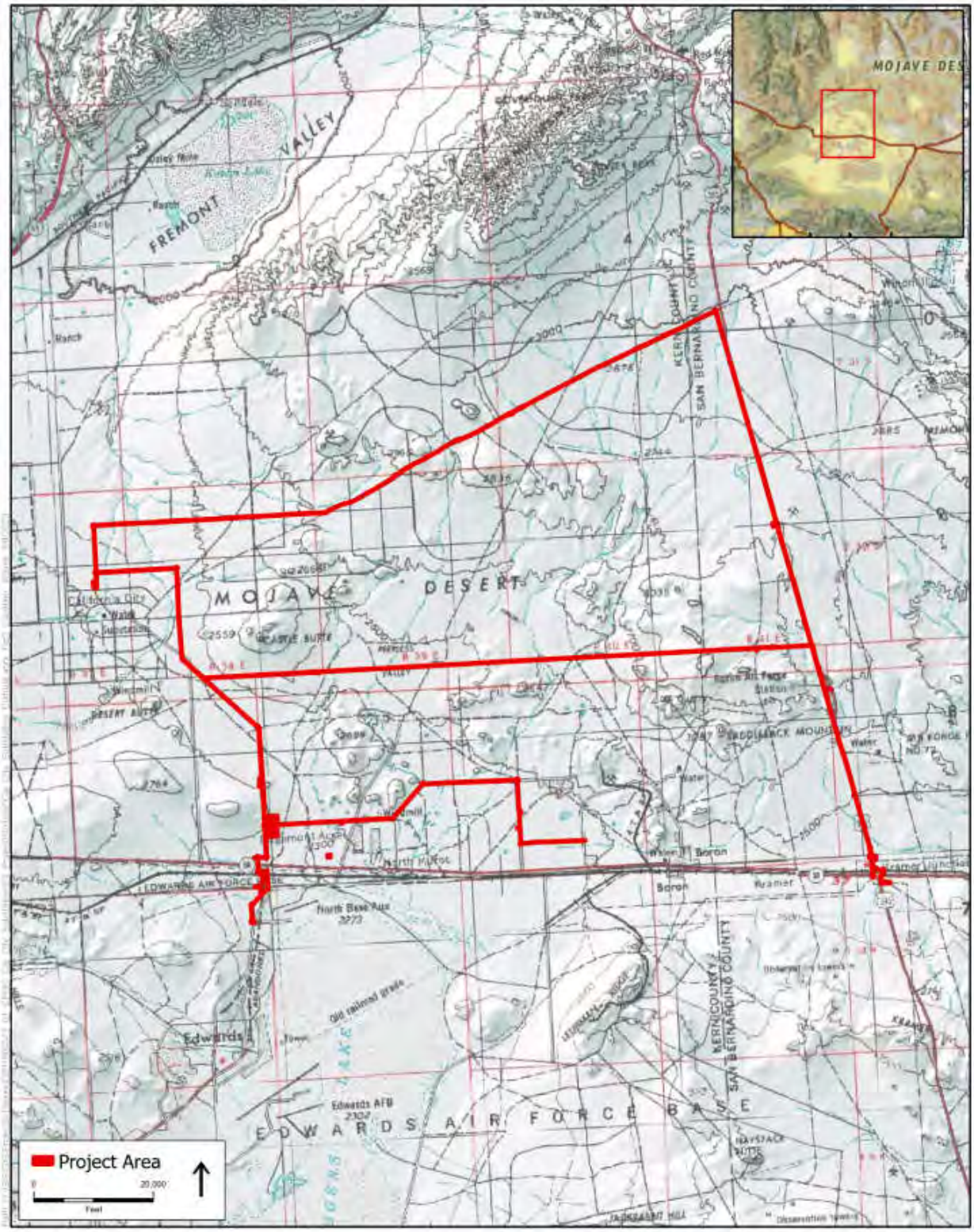

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D201900517.01 CPUC California City Substation

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ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Tribal Chairman Tony G. Lopez III
(Sherry Livingston or Garry Devlin)
Mission Creek Band of Mission Indians, Mission Creek Reservation
14080 Palm Drive Suite D. PMB 427
Desert Hot Springs, CA 92240

Re: Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

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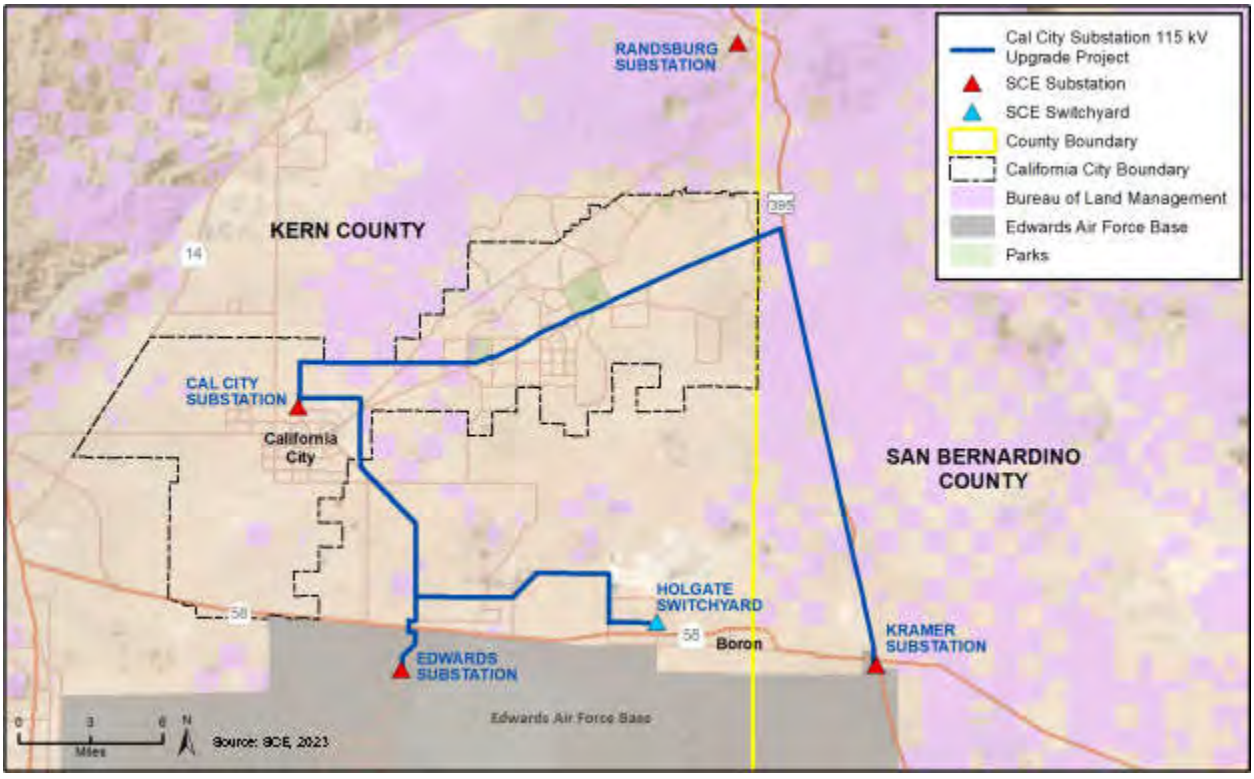

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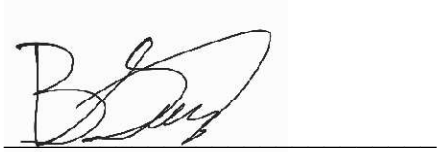

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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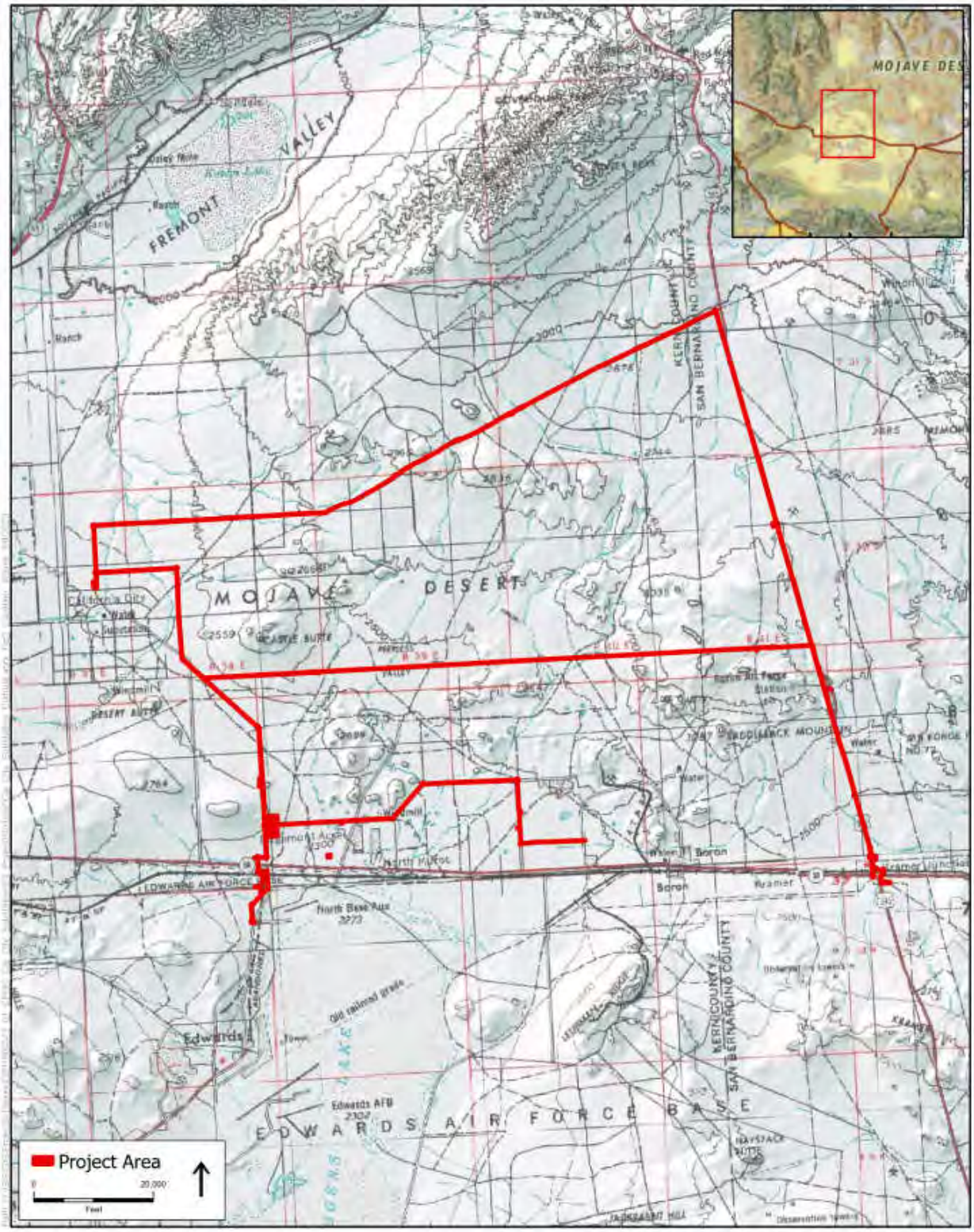

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D201900517.01 CPUC California City Substation

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ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Historic Preservation Officer Anthony Madrigal, Jr.
Twenty Nine Palms Band of Mission Indians
46-200 Harrison Place
Coachella, CA 92236

Re: Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

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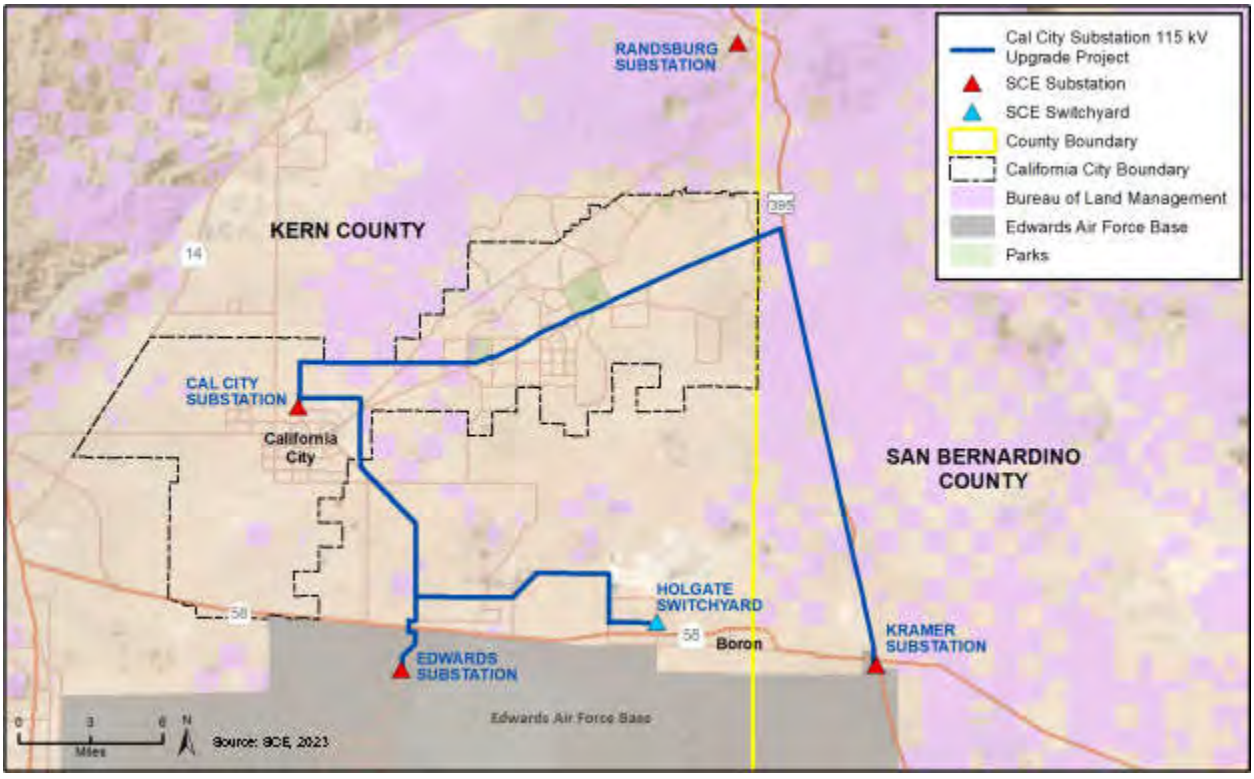

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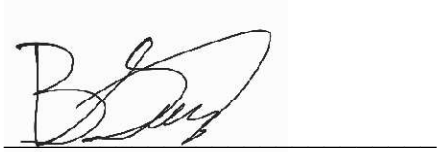

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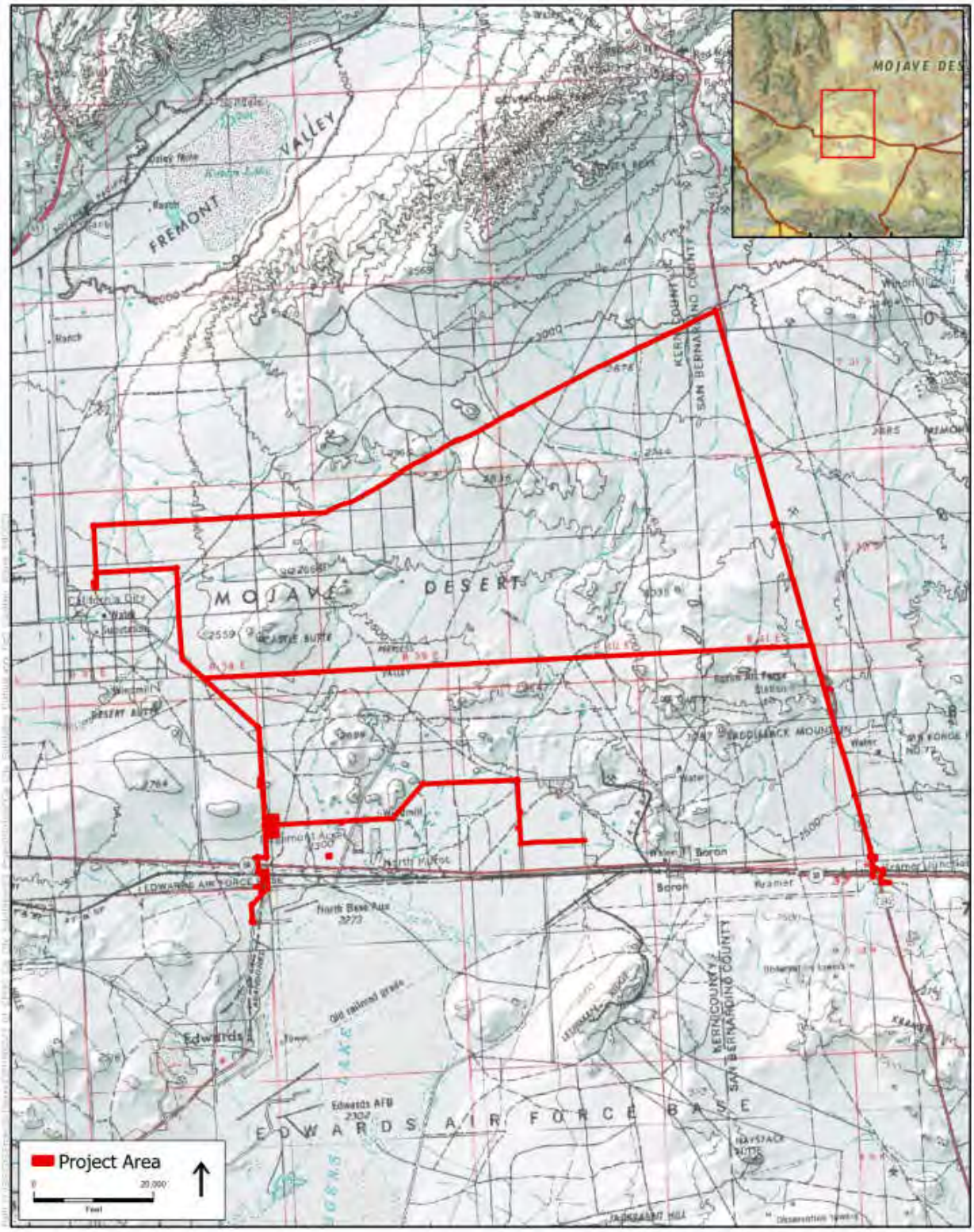

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STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Chairperson Robert Martin
Morongo Band of Mission Indians
12700 Pumarra Road
Banning, CA 92220

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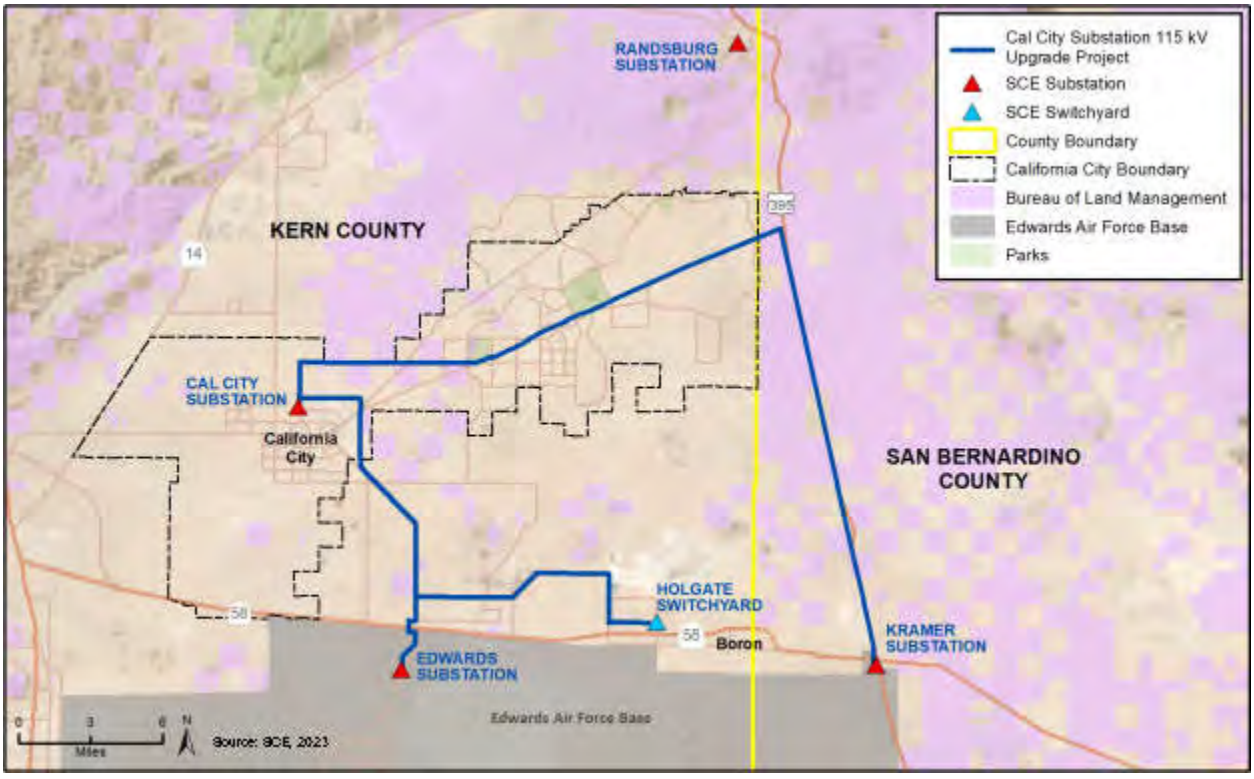

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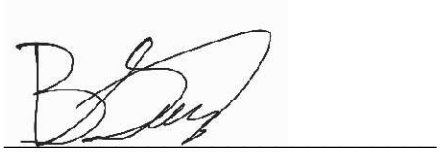

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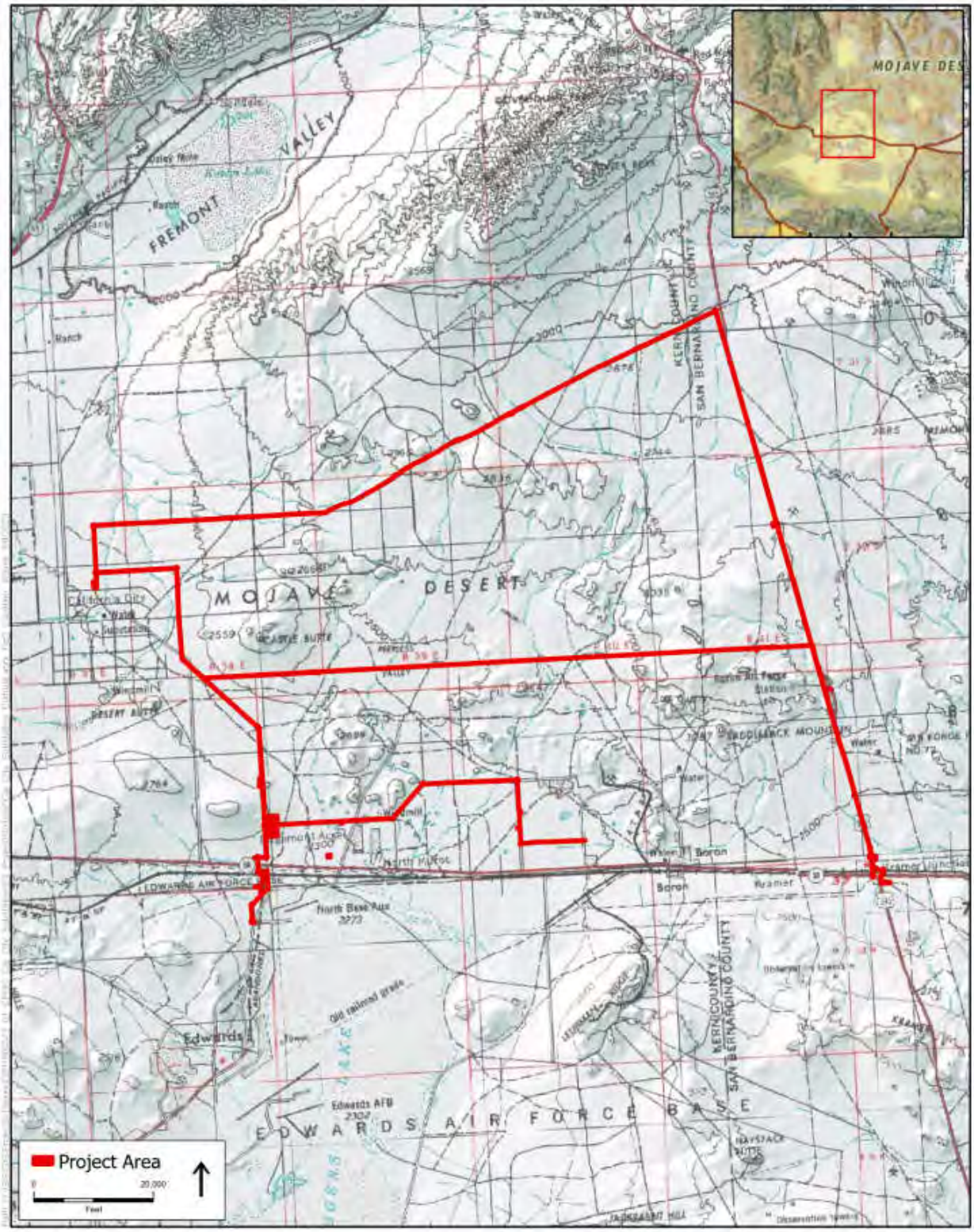

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505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

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Cultural Lands Manager Alexandra McCleary
San Manuel Band of Mission Indians
26569 Community Center Drive
Highland, CA 92346

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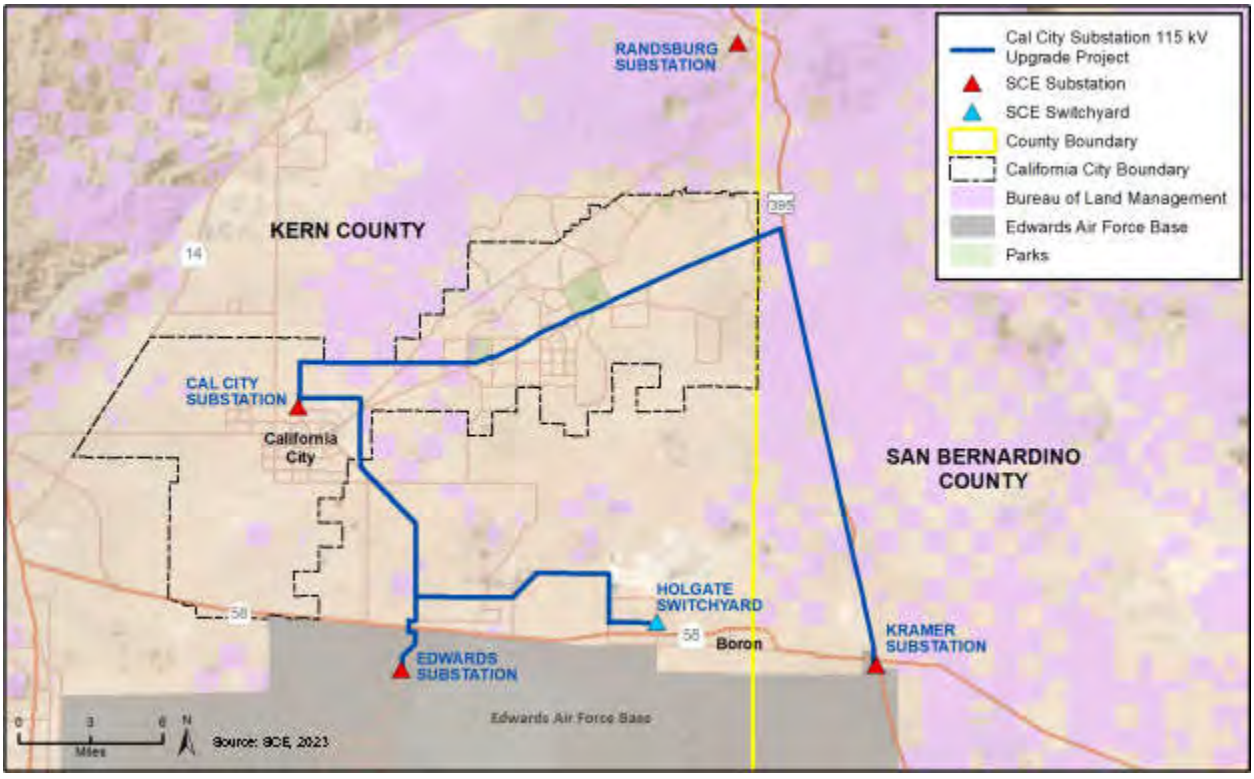

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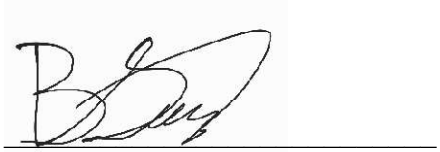

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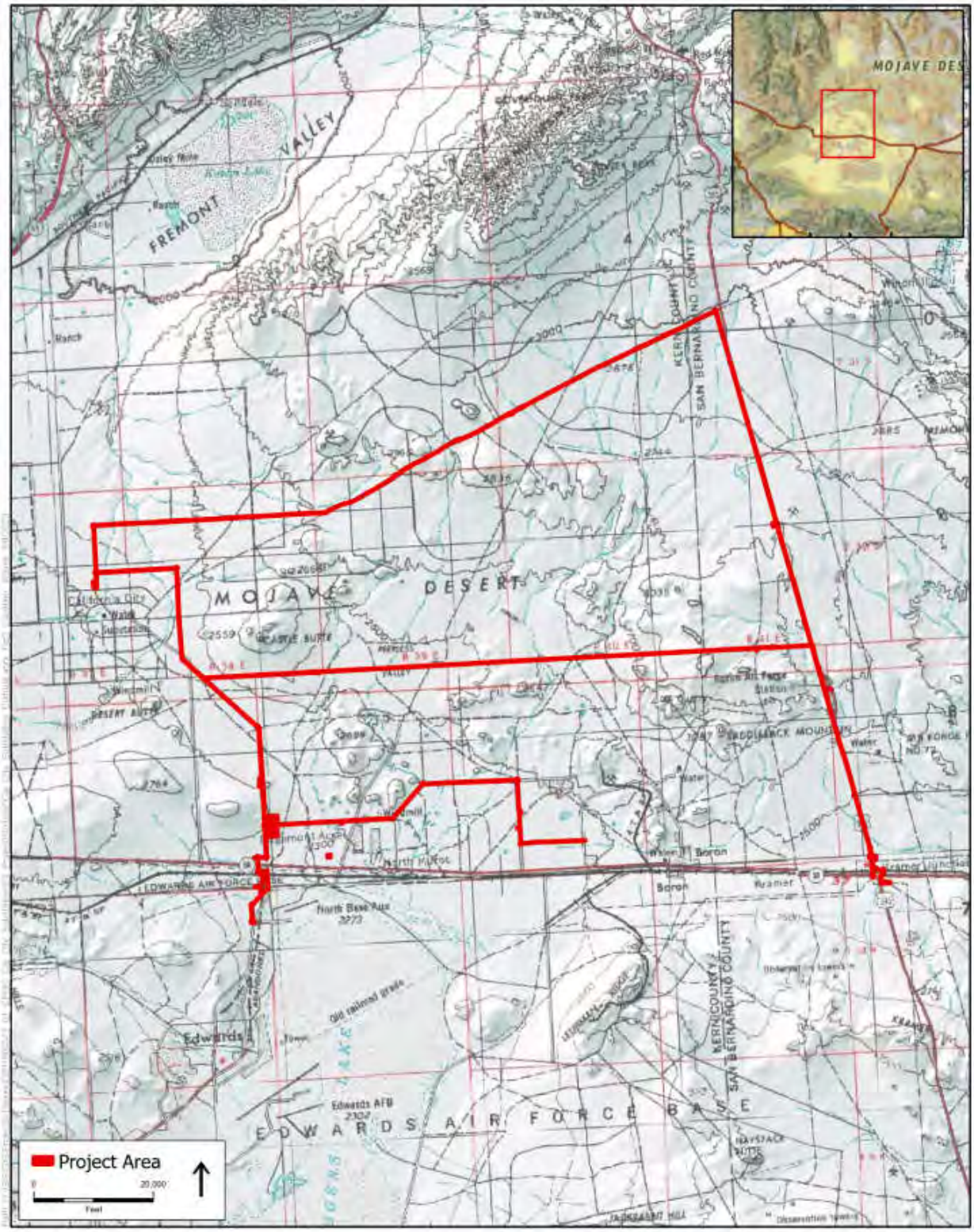

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D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Historic Preservation Officer Jill McCormick
Fort Yuma Quechan Indian Tribe
P.O. Box 1899
Yuma, AZ 85366-1899

Re: Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Historic Preservation Officer Jill McCormick,

Pursuant to California Assembly Bill (AB) 52, the California Public Utilities Commission (CPUC) is providing you with formal notification of the Cal City Substation 115 kV Upgrade Project (proposed project), located in unincorporated Kern and San Bernardino Counties, the City of California City, and Edwards Air Force Base (EAFB) in the Mojave Desert region of California on federal, state, private, and municipal land. The CPUC, as lead agency, is reaching out to all groups listed on the California Native American Heritage Commission (NAHC) Sacred Lands File Contact List in a good faith effort to provide notification of the proposed project to groups that are traditionally or culturally affiliated with the geographic area of the proposed project. The present notice includes:

- A description of the proposed project and location;
- A summary of cultural resources work to date, and summary of associated information that can be made available upon request;
- A clear and definitive statement that the tribe has 30 days to request consultation; and
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Project Description and Location

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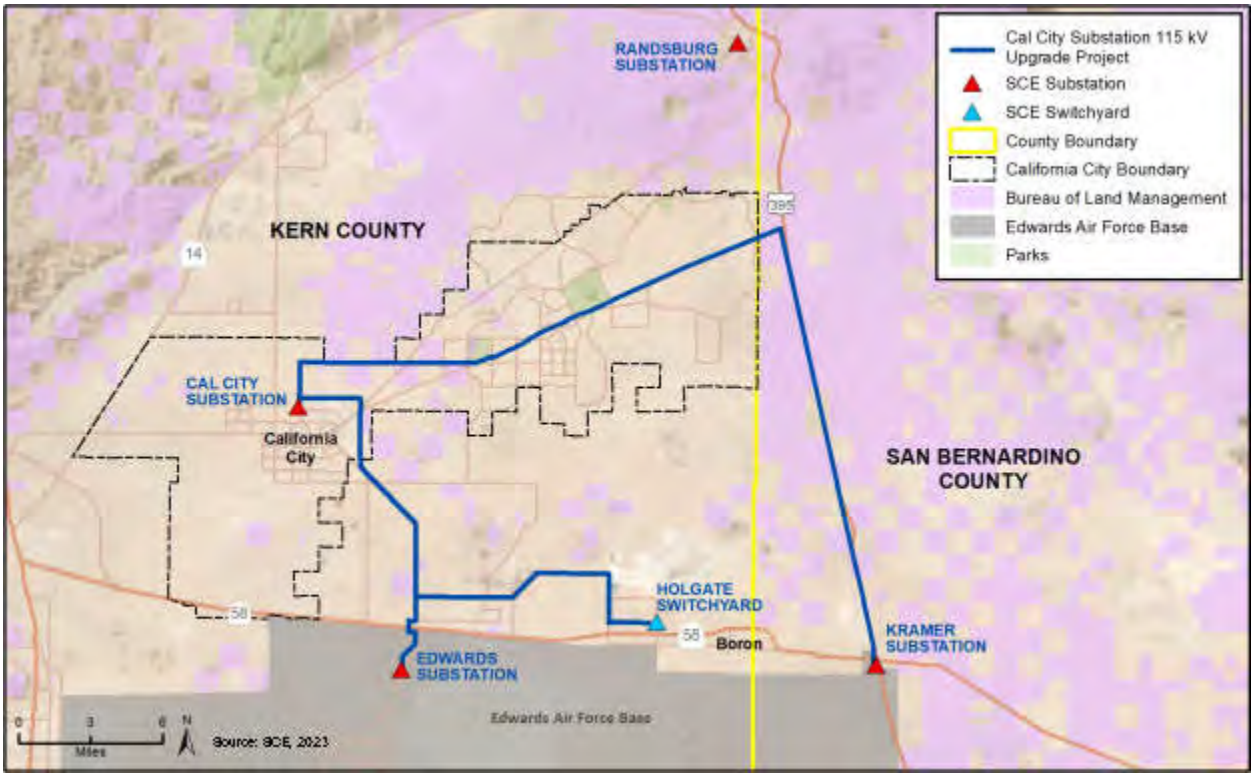

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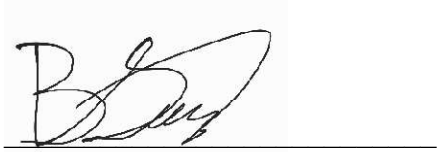

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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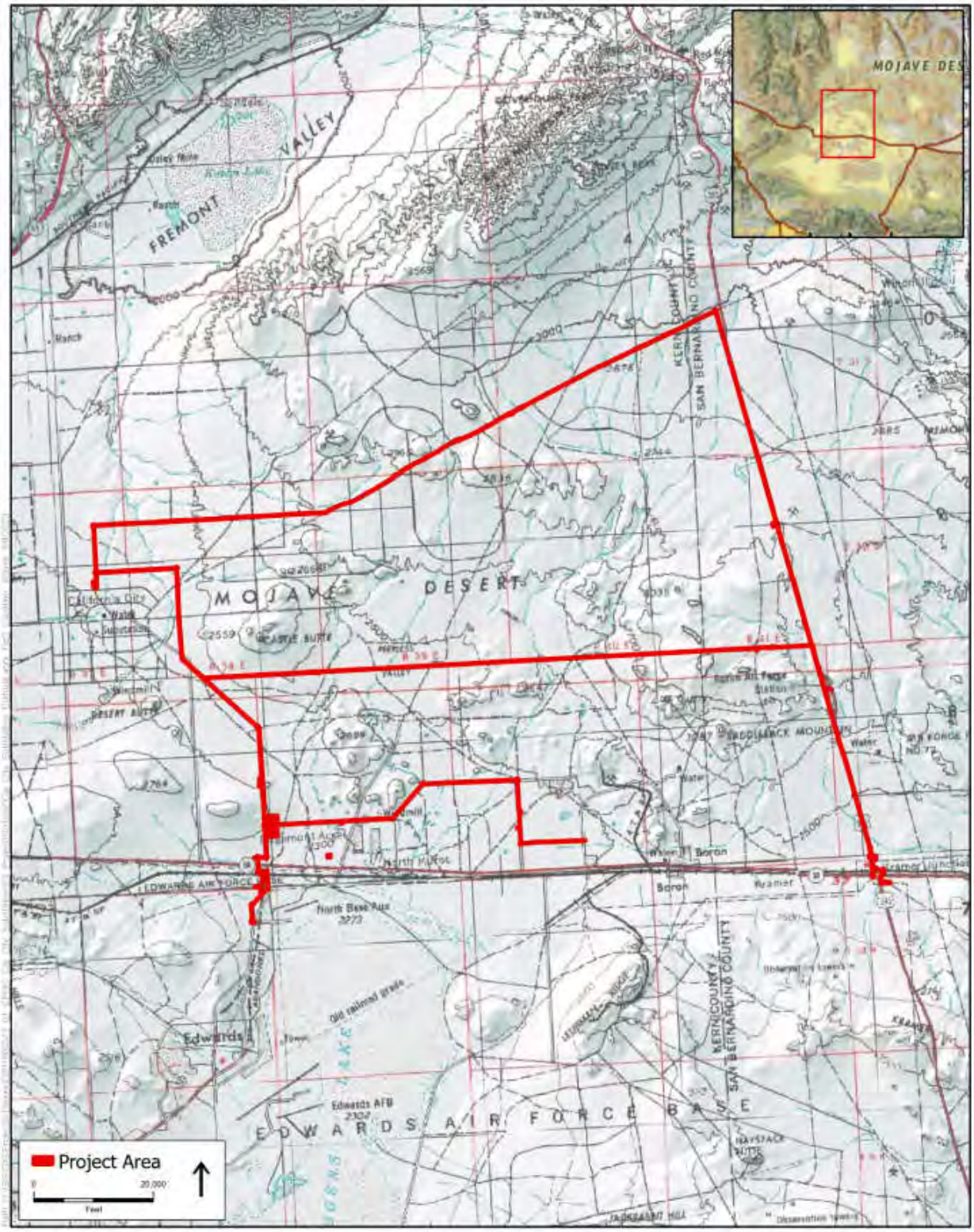

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D201900517.01 CPUC California City Substation

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STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Tribal Chairman Darrell Mike
Twenty Nine Palms Band of Mission Indians
46-200 Harrison Place
Coachella, CA 92236

Re: ***Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project***

Tribal Chairman Darrell Mike,

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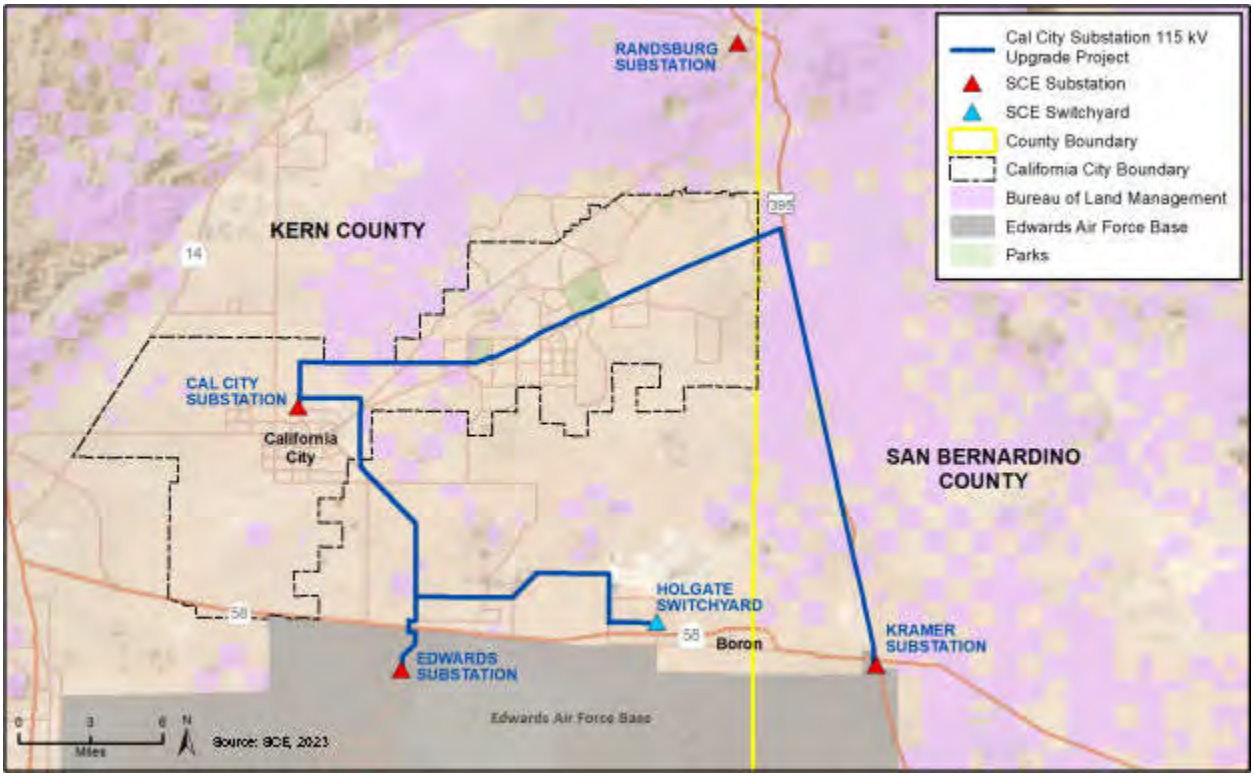

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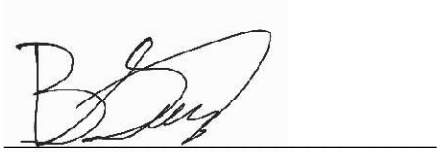

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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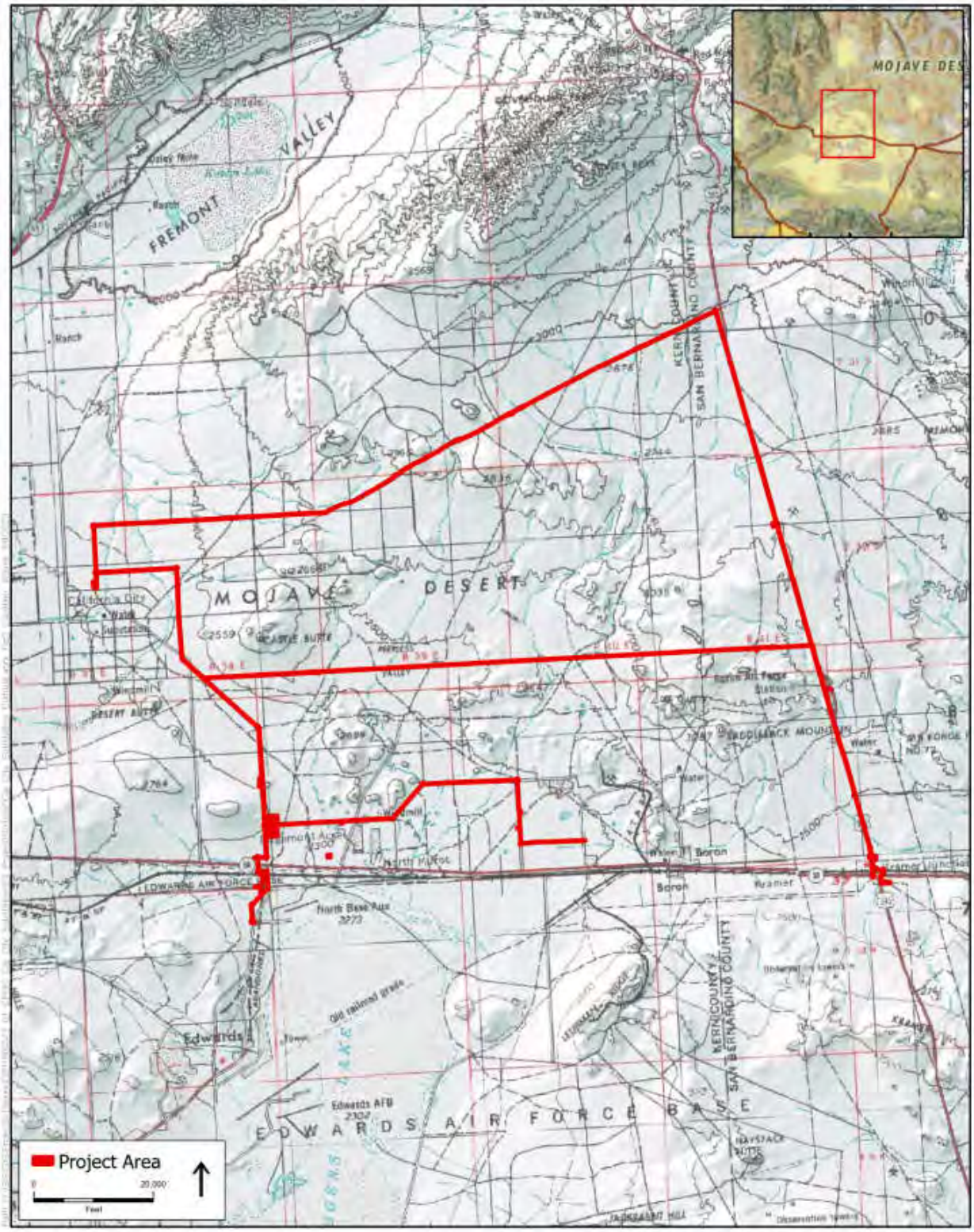

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D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Cultural Resource Coordinator Michael Mirelez
Torres Martinez Desert Cahuilla Indians
P.O. Box 1160
Thermal, CA 92274

Re: Resources Code section 21080.3, subd.(b) California Assembly Bill 52, Formal Notification of CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Cultural Resource Coordinator Michael Mirelez,

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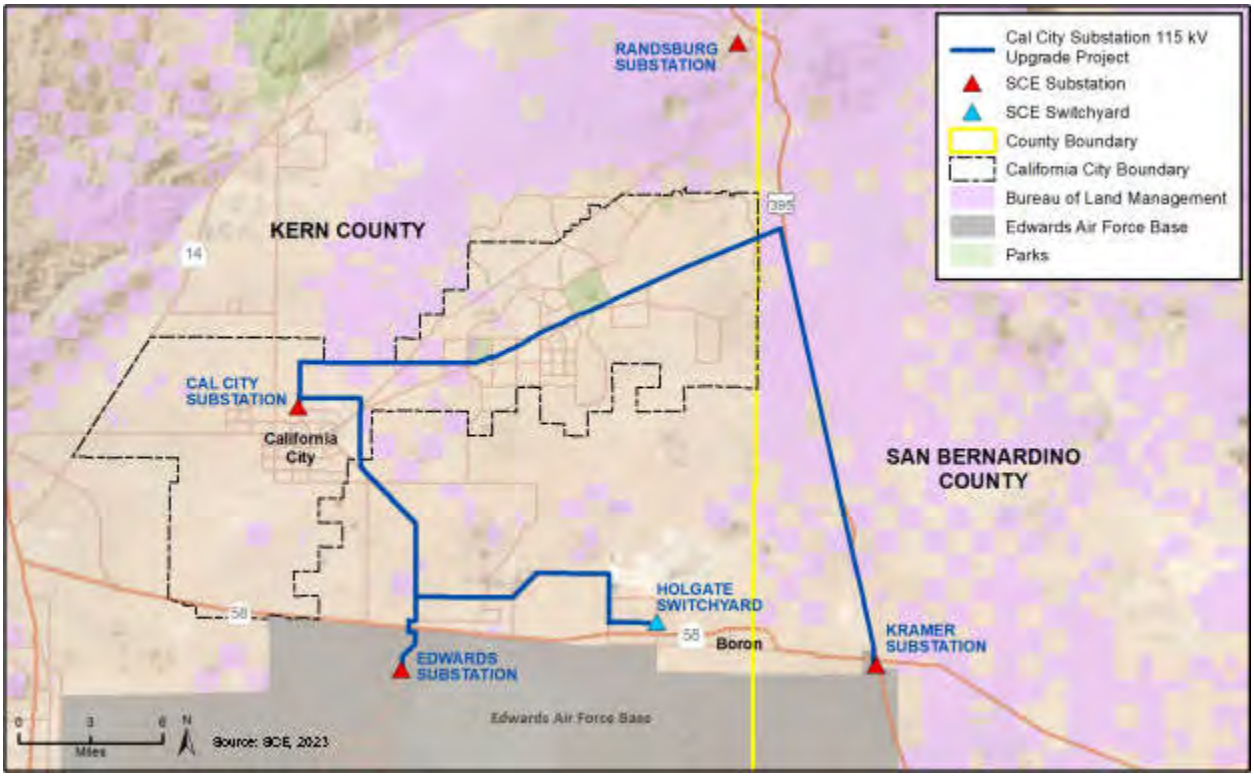

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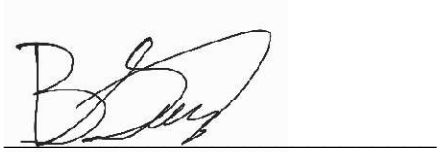

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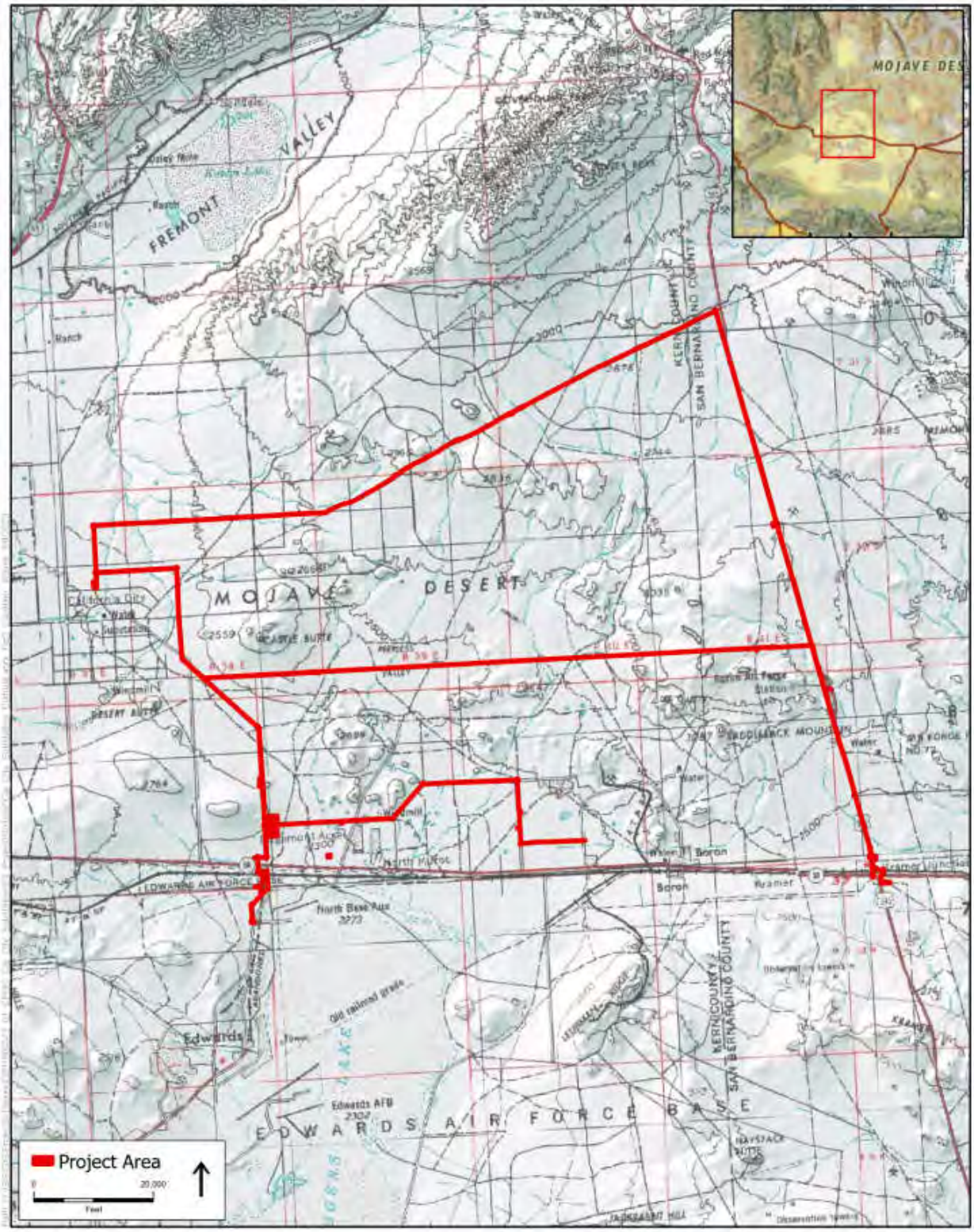

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PUBLIC UTILITIES COMMISSION
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SAN FRANCISCO, CA 94102-3298

June 14, 2023

Cultural Resource Management Technician Colin Rambo
Tejon Indian Tribe
1731 Hast-Acres Drive Suite 108
Bakersfield, CA, 93309

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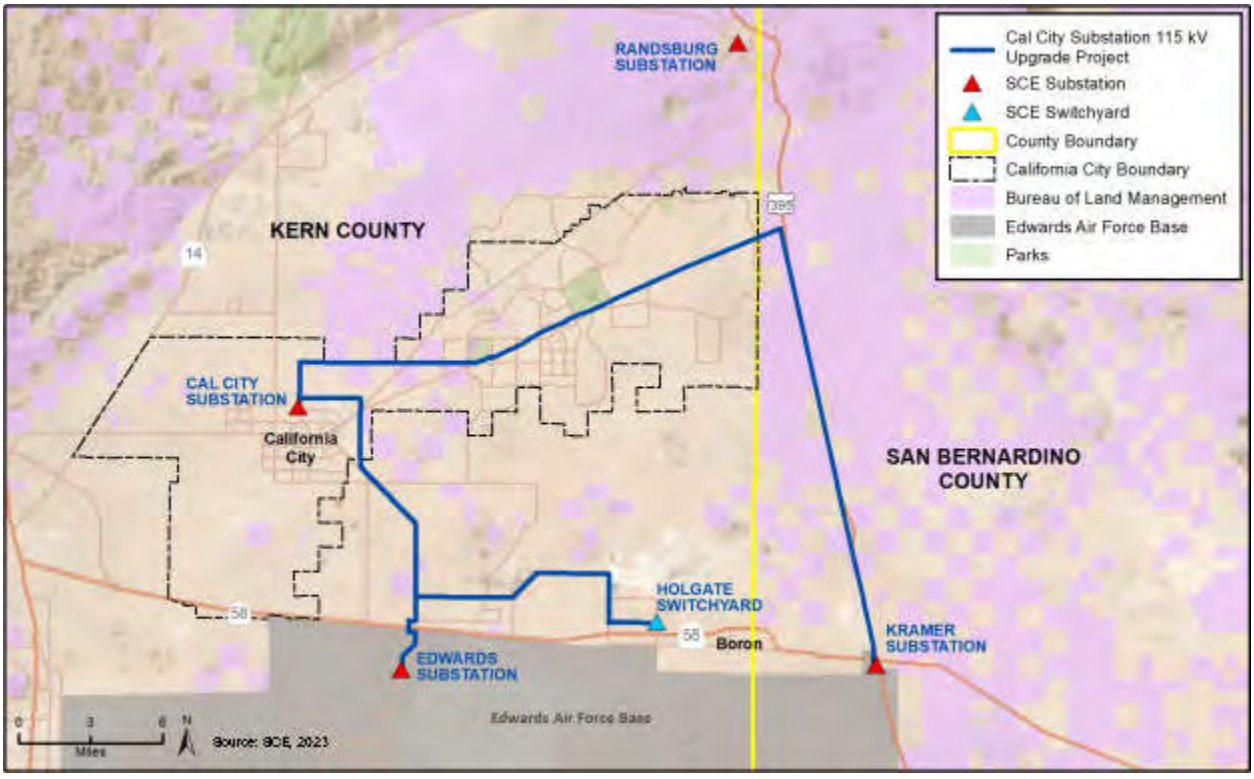

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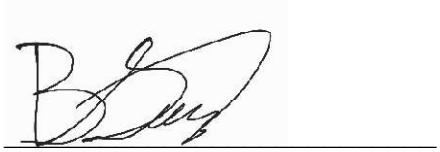

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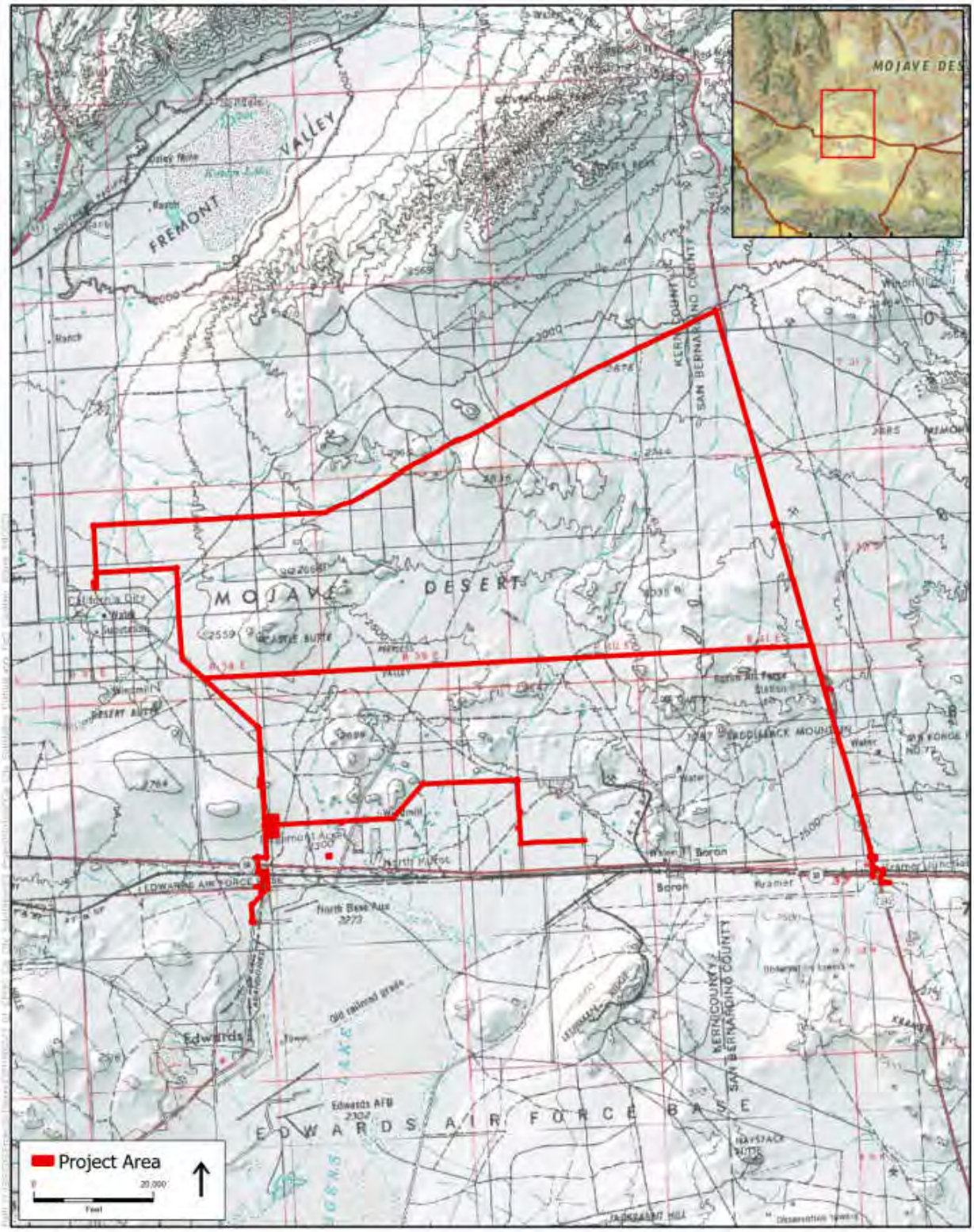

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PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Kw'ts'an Cultural Committee Acting Chairman Manfred Scott
Fort Yuma Quechan Indian Tribe
P.O. Box 1899
Yuma, AZ 85366

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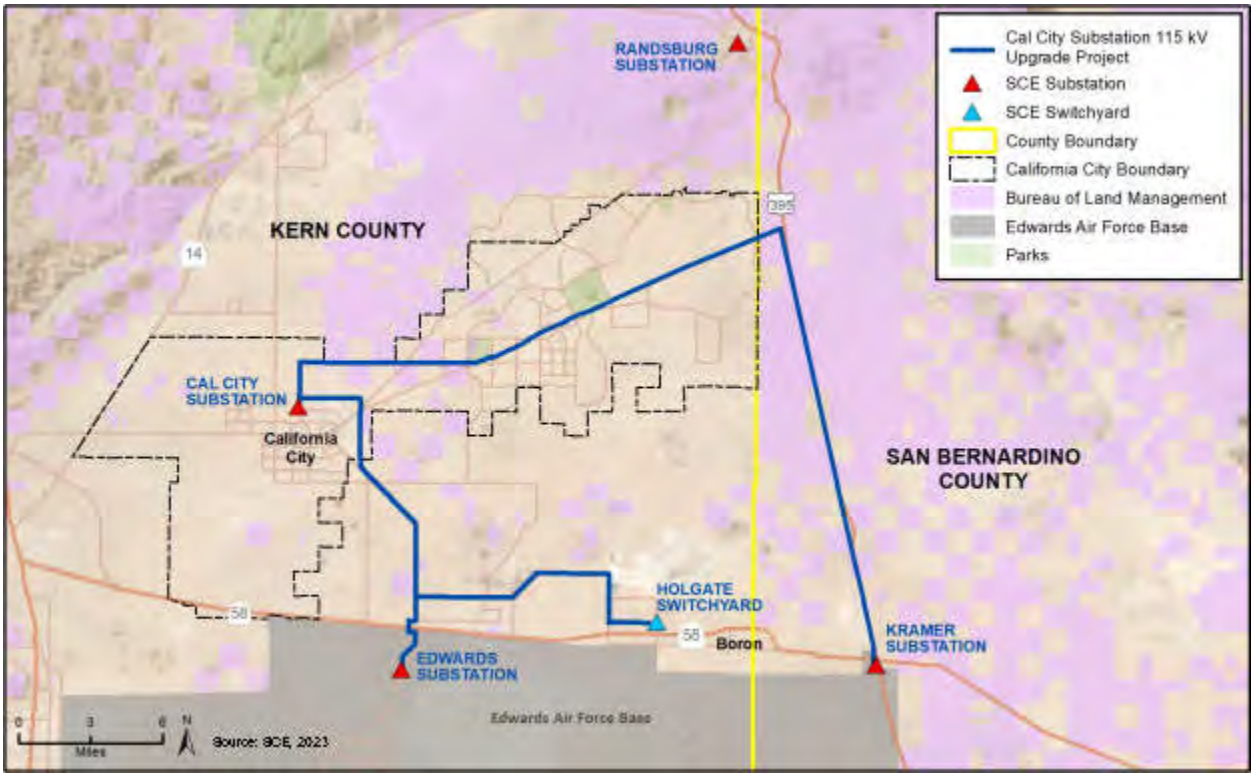

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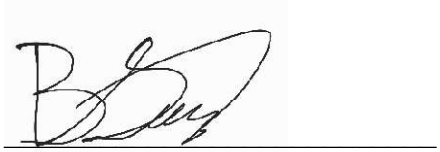

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505 Van Ness Avenue
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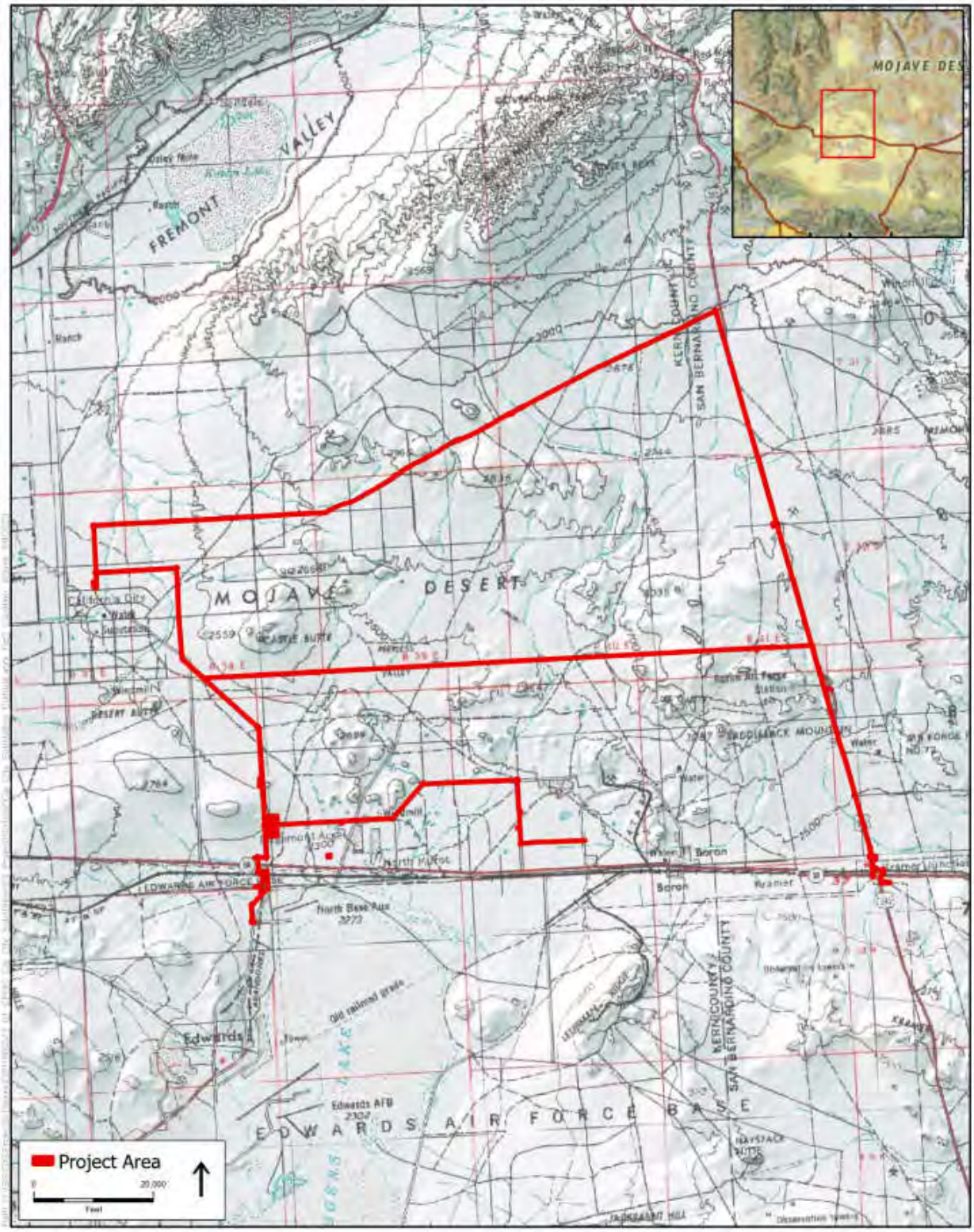

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STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Co-Chairperson Mark Cochrane
Serrano Nation of Mission Indians
P.O. Box 343
Patton, CA 92369

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Co-Chairperson Mark Cochrane,

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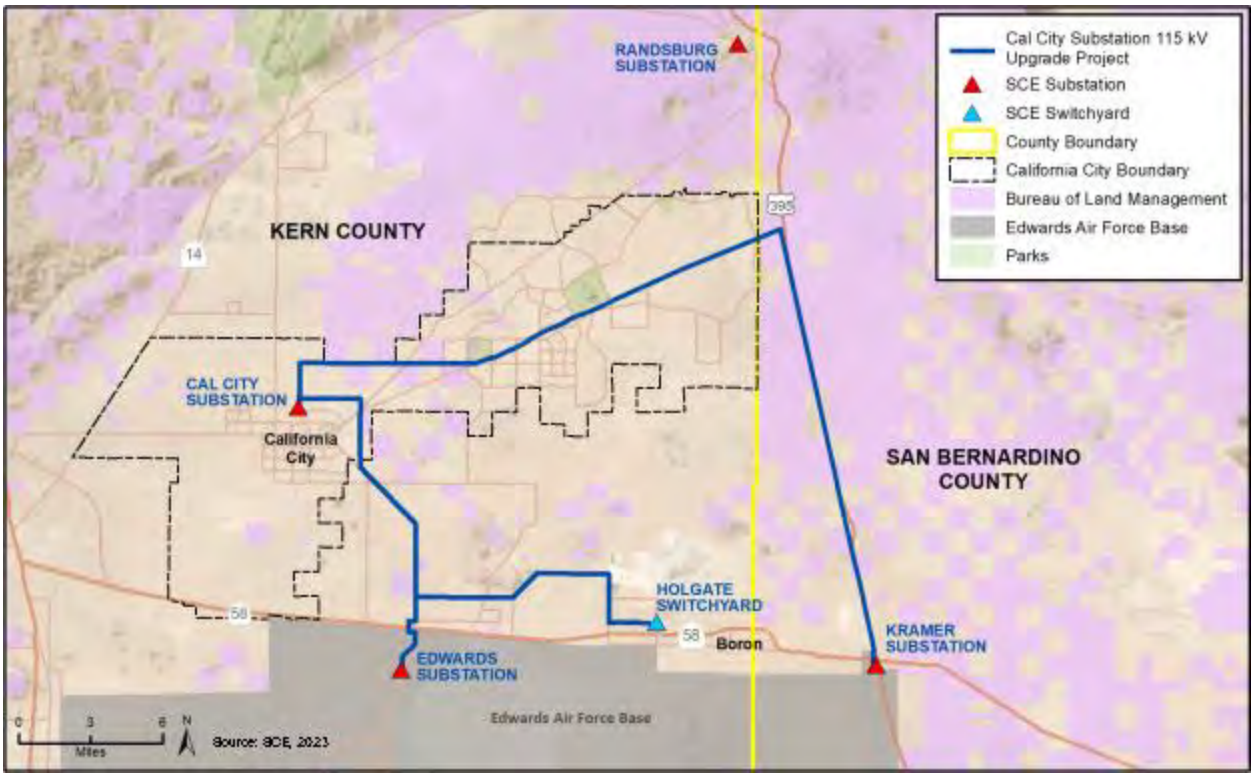

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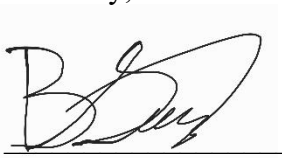

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

Attachments:
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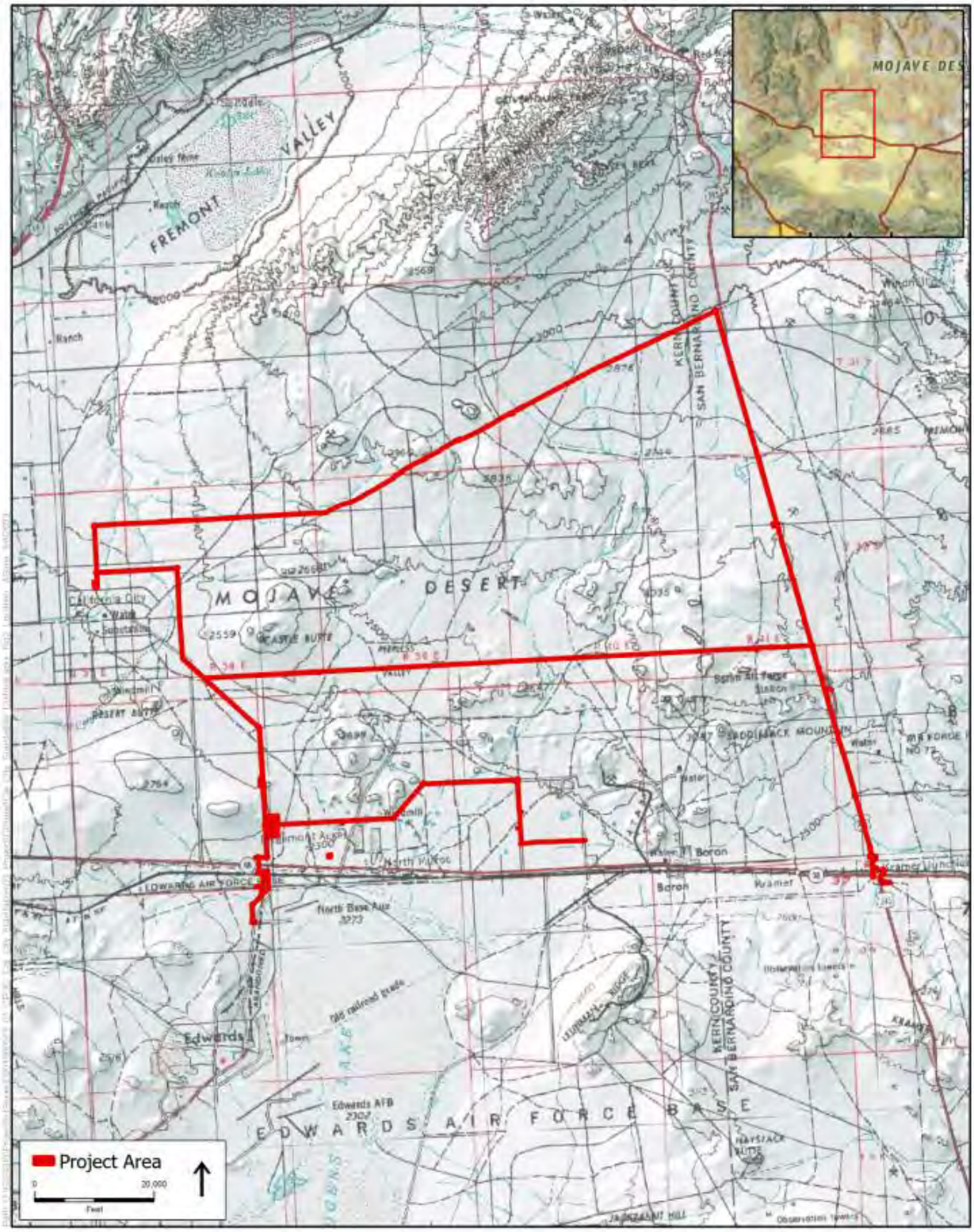
Subject: *Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project*



SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Chairperson Delia Dominguez
Kitanemuk & Yowlumne Tejon Indians
115 Radio Street
Bakersfield, CA 93305

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Chairperson Delia Dominguez,

The State of California Public Utilities Commission (CPUC) is undertaking a review of Southern California Edison's (SCE) proposed Cal City Substation 115 kV Upgrade Project (proposed project), located in unincorporated Kern and San Bernardino Counties, the City of California City, and Edwards Air Force Base (EAFB) in the Mojave Desert region of California on federal, state, private, and municipal land.

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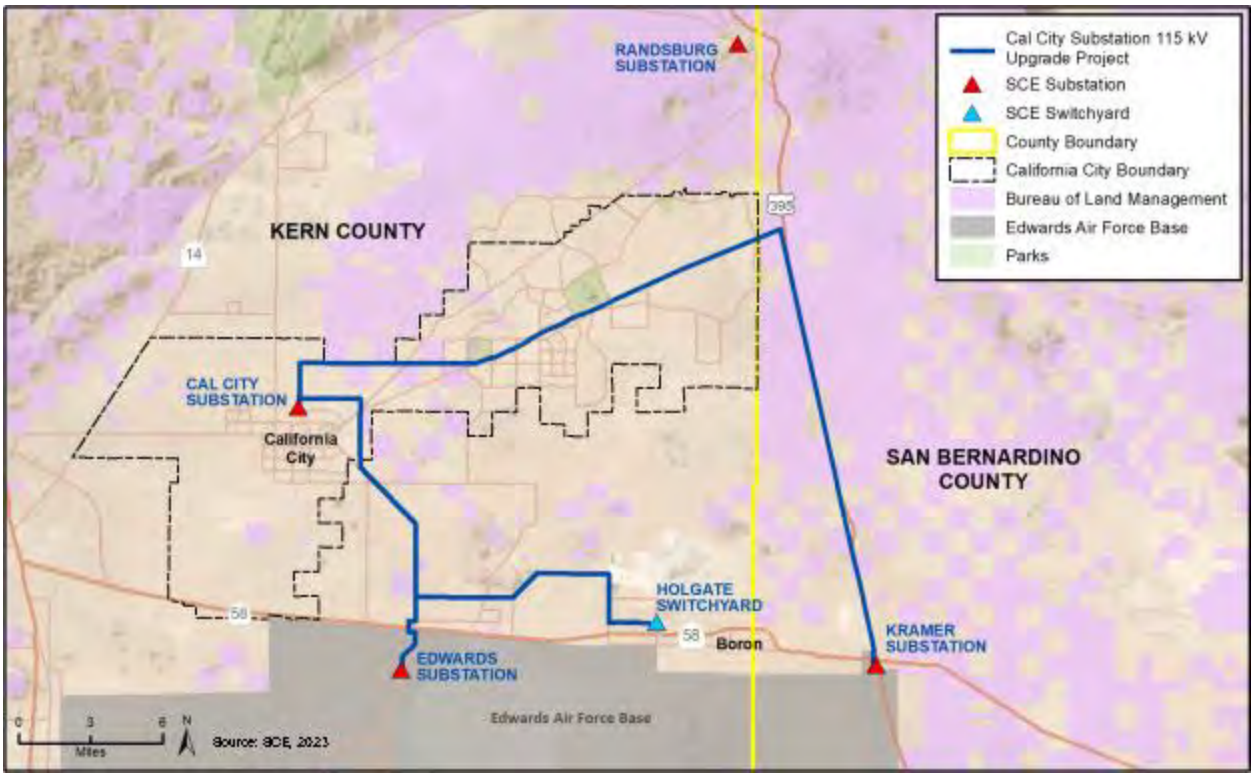

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California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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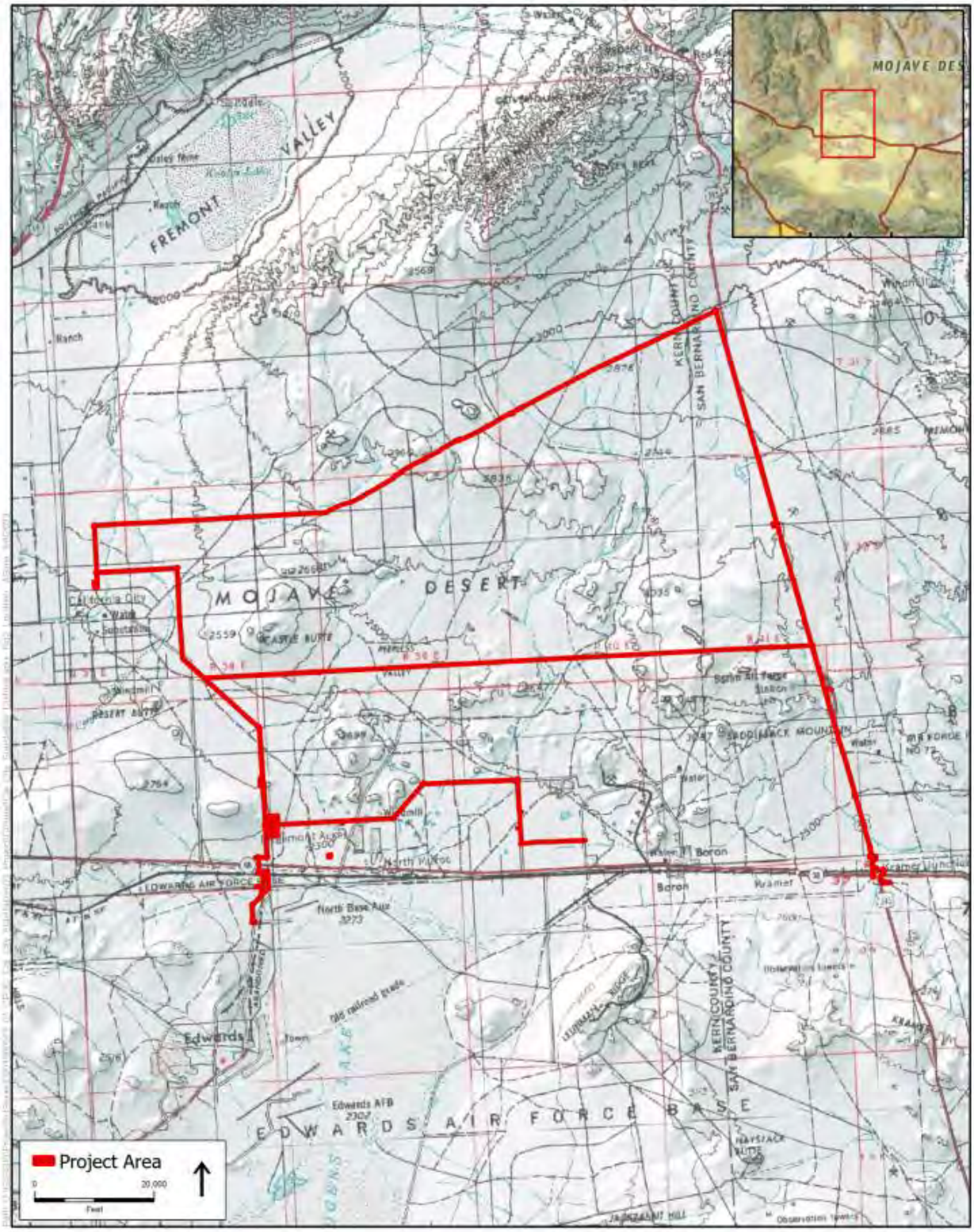

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D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Chairperson Robert Gomez
Tubatulabals of Kern Valley
P.O. Box 226
Lake Isabella, CA 93240

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Chairperson Robert Gomez,

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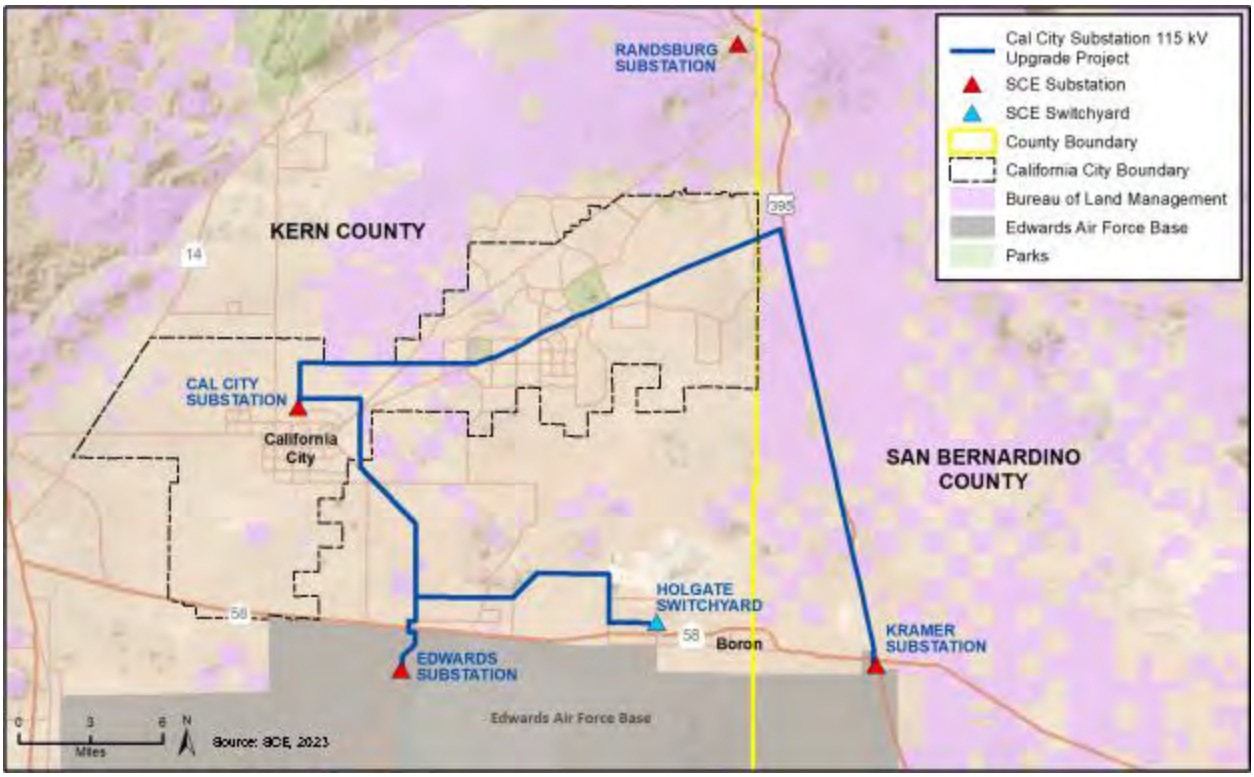

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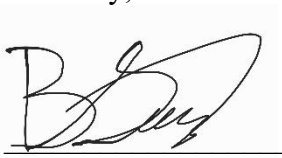

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California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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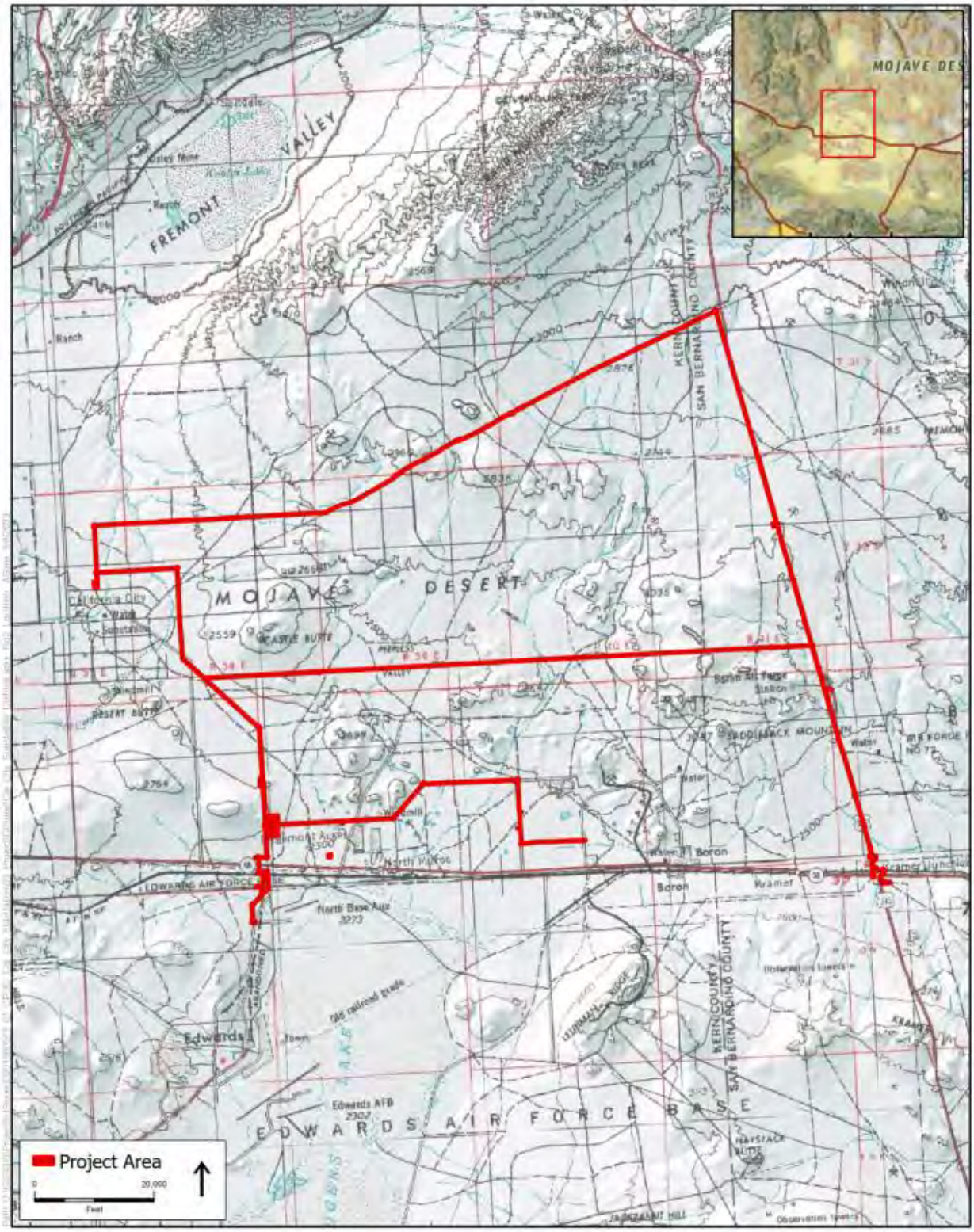

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Tribal Historic Preservation Officer Danelle Gutierrez
Big Pine Paiute Tribe of the Owens Valley
P.O. Box 700
Big Pine, CA 93513

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Tribal Historic Preservation Officer Danelle Gutierrez,

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Subject: *Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project*

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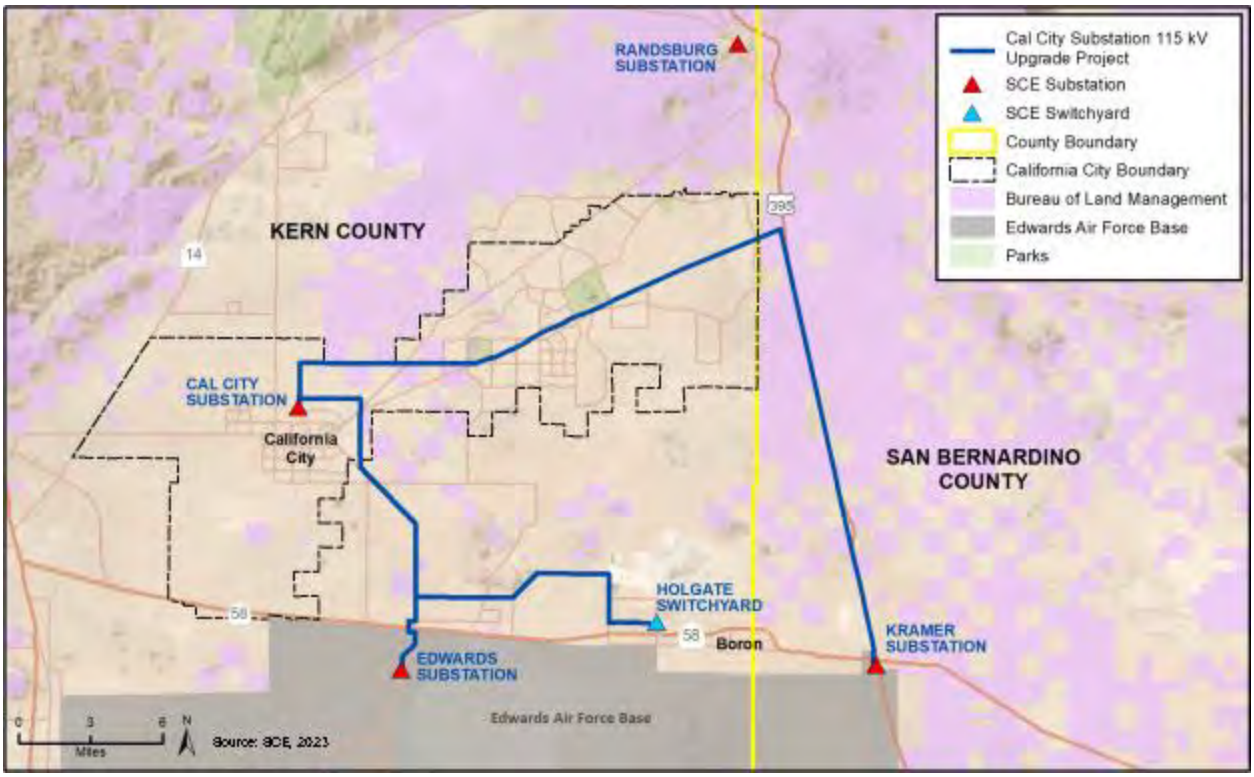

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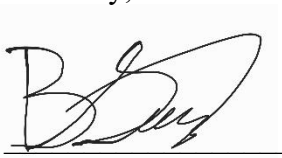

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
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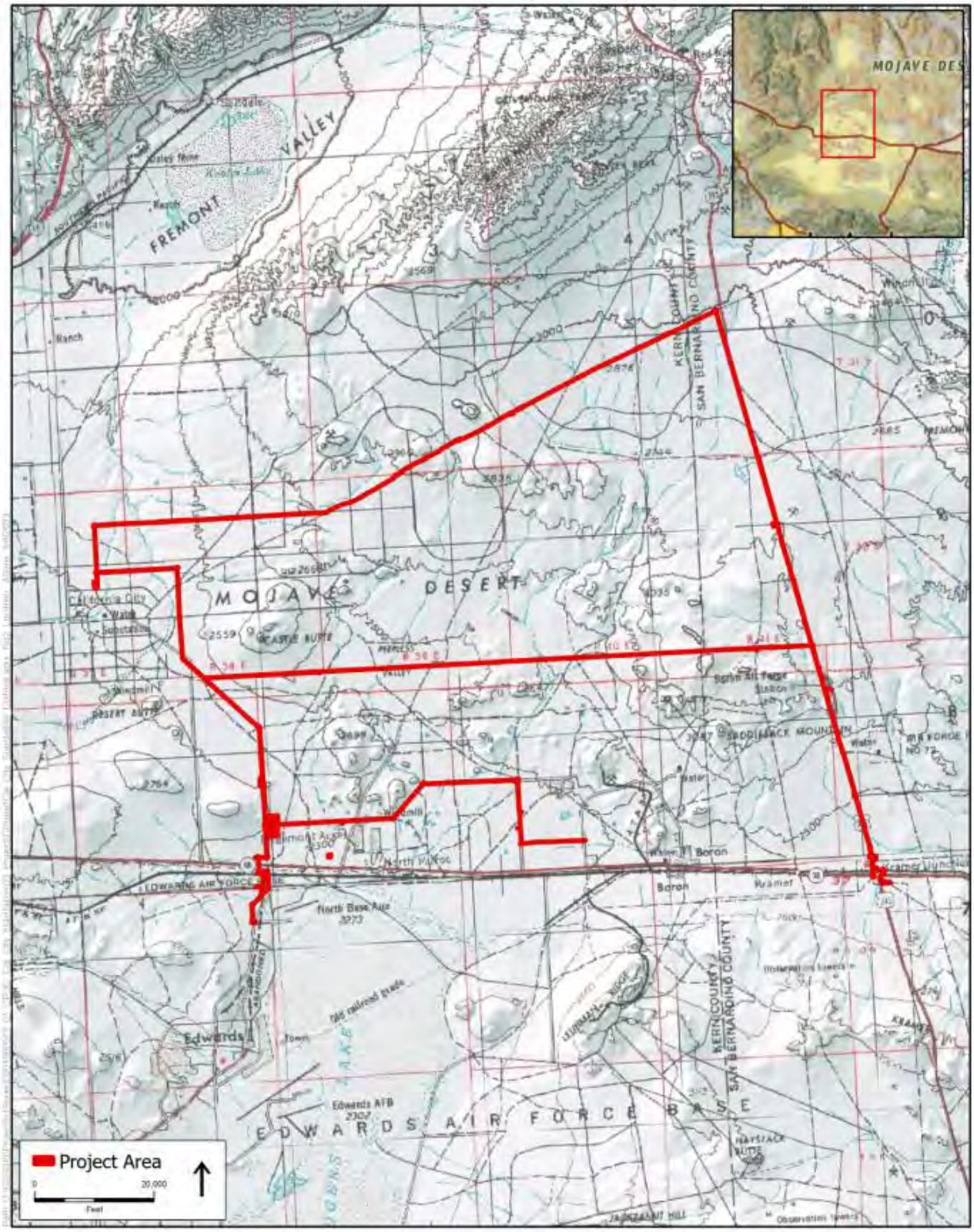

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Environmental Director Sally Manning
Big Pine Paiute Tribe of the Owens Valley
P.O. Box 700
Big Pine, CA 93513

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Environmental Director Sally Manning,

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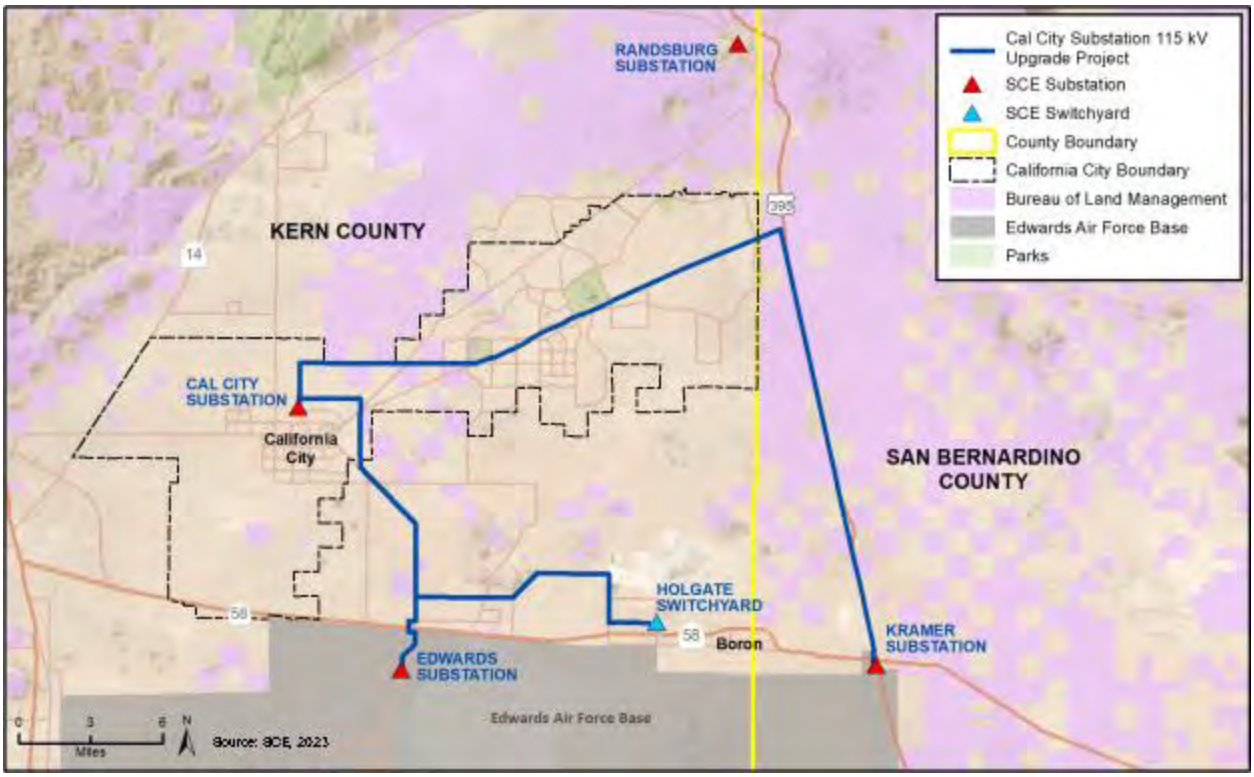

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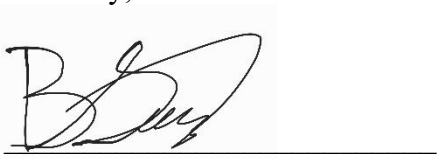

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California Public Utilities Commission
505 Van Ness Avenue
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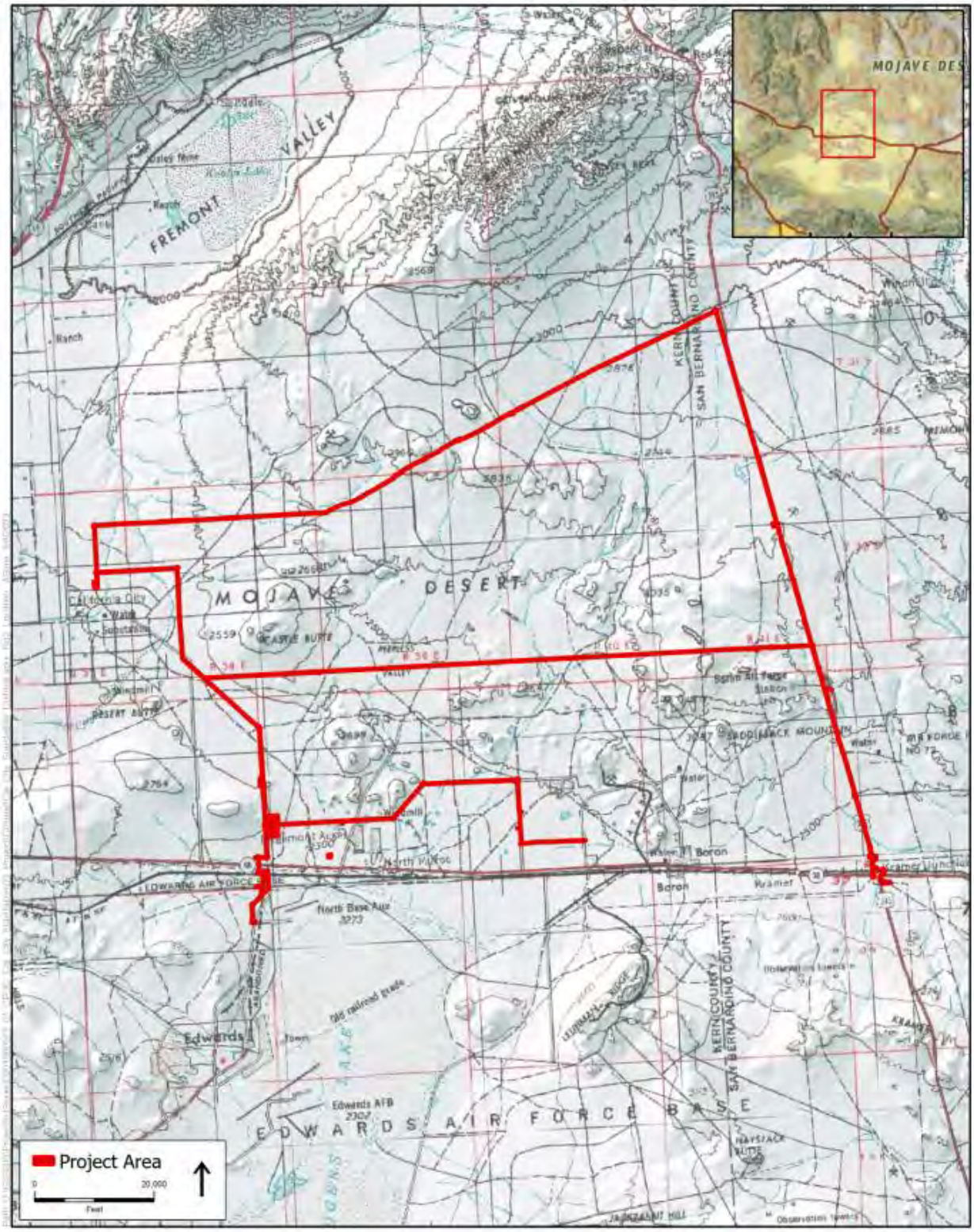

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Chairperson Neil Peyron
Tule River Indian Tribe
P.O. Box 589
Porterville, CA 93258

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Chairperson Neil Peyron,

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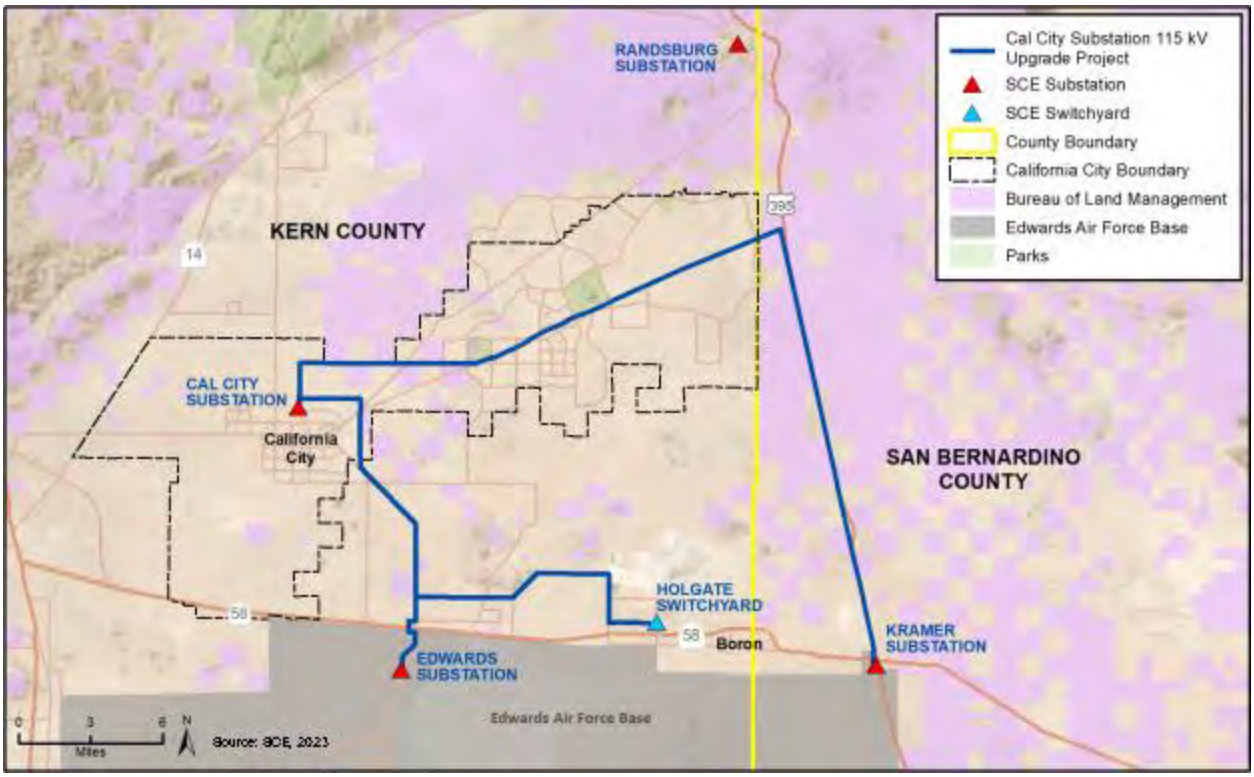

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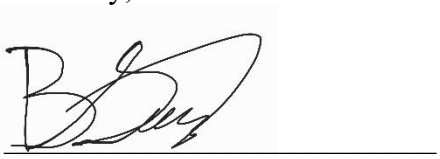
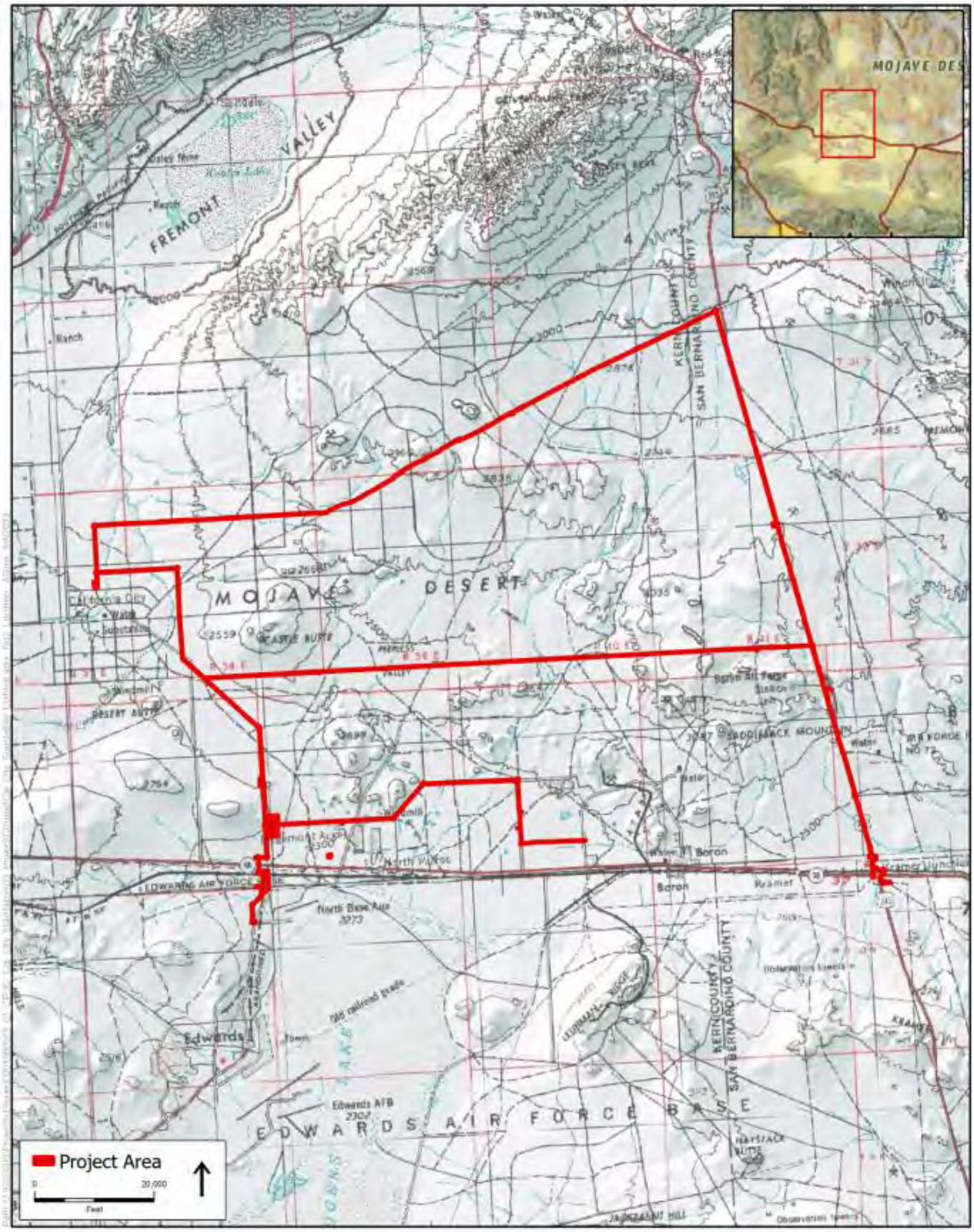


Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

Attachments:
Figure 1. Project Location Map.

Subject: *Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project*



SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Chairperson Julio Quair
Chumash Council of Bakersfield
729 Texas Street
Bakersfield, CA 93307

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Chairperson Julio Quair,

The State of California Public Utilities Commission (CPUC) is undertaking a review of Southern California Edison's (SCE) proposed Cal City Substation 115 kV Upgrade Project (proposed project), located in unincorporated Kern and San Bernardino Counties, the City of California City, and Edwards Air Force Base (EAFB) in the Mojave Desert region of California on federal, state, private, and municipal land.

The Native American Heritage Commission has provided a list of tribal organizations, which included your organization that may have information about cultural resources that may be affected by the proposed project. As a courtesy, the CPUC is providing proposed project information and requests your assistance in identifying potential cultural resources as part of its environmental analysis and review required under the California Environmental Quality Act (CEQA) for the proposed project.

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The Project would consist of upgrading transformers at the existing Cal City Substation from 33/12 kV to 115/33 kV and 115/12 kV; construction of two new 115 kV subtransmission lines, the Kramer-Cal City Subtransmission Line, from Kramer Substation to Cal City Substation, and the Cal City-Edwards-Holgate Subtransmission Line, from Cal City Substation to Holgate Switchyard. The proposed Cal City-Edwards-Holgate 115 kV Subtransmission Line would also include a tap line to serve Edwards Substation located on EAFB. Fourteen new underground 12

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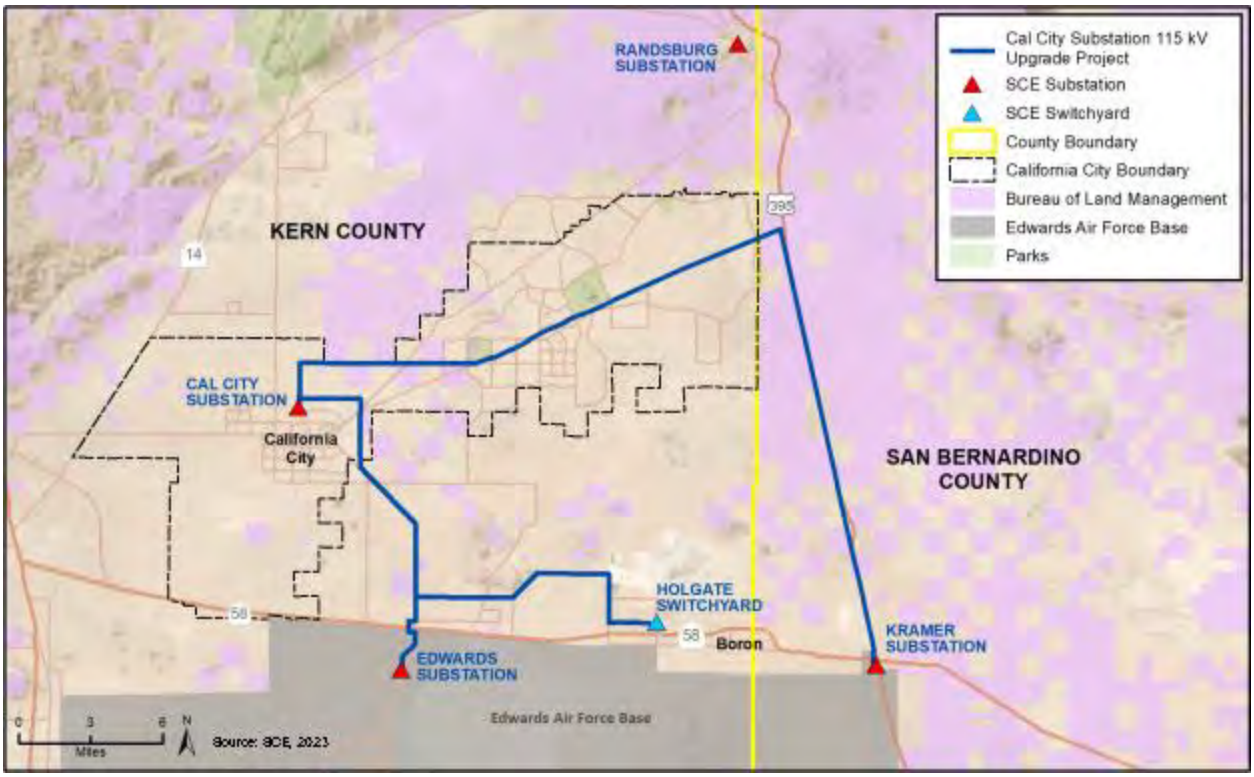

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CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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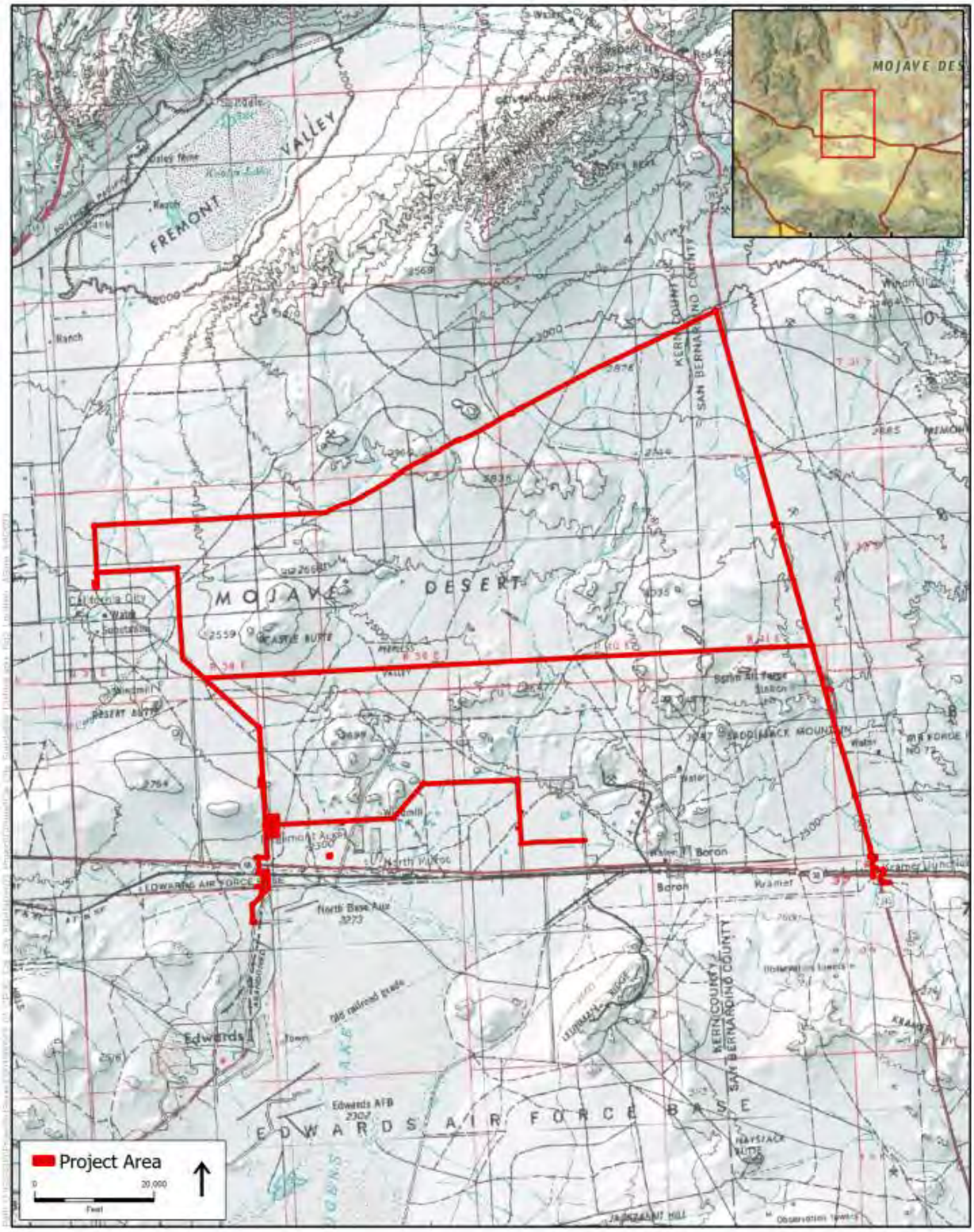

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Chairperson James Rambeau
Big Pine Paiute Tribe of the Owens Valley
P.O. Box 700
Big Pine, CA 93513

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Chairperson James Rambeau,

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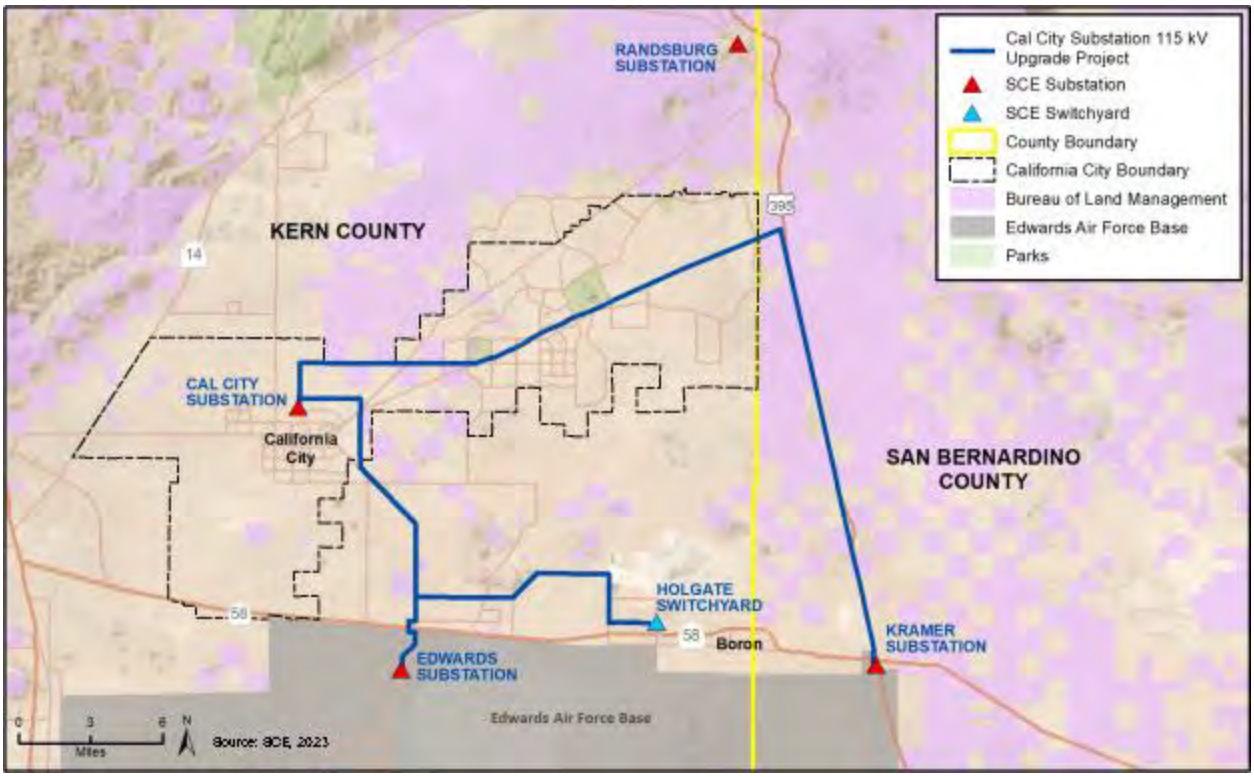

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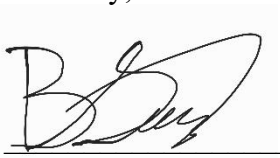

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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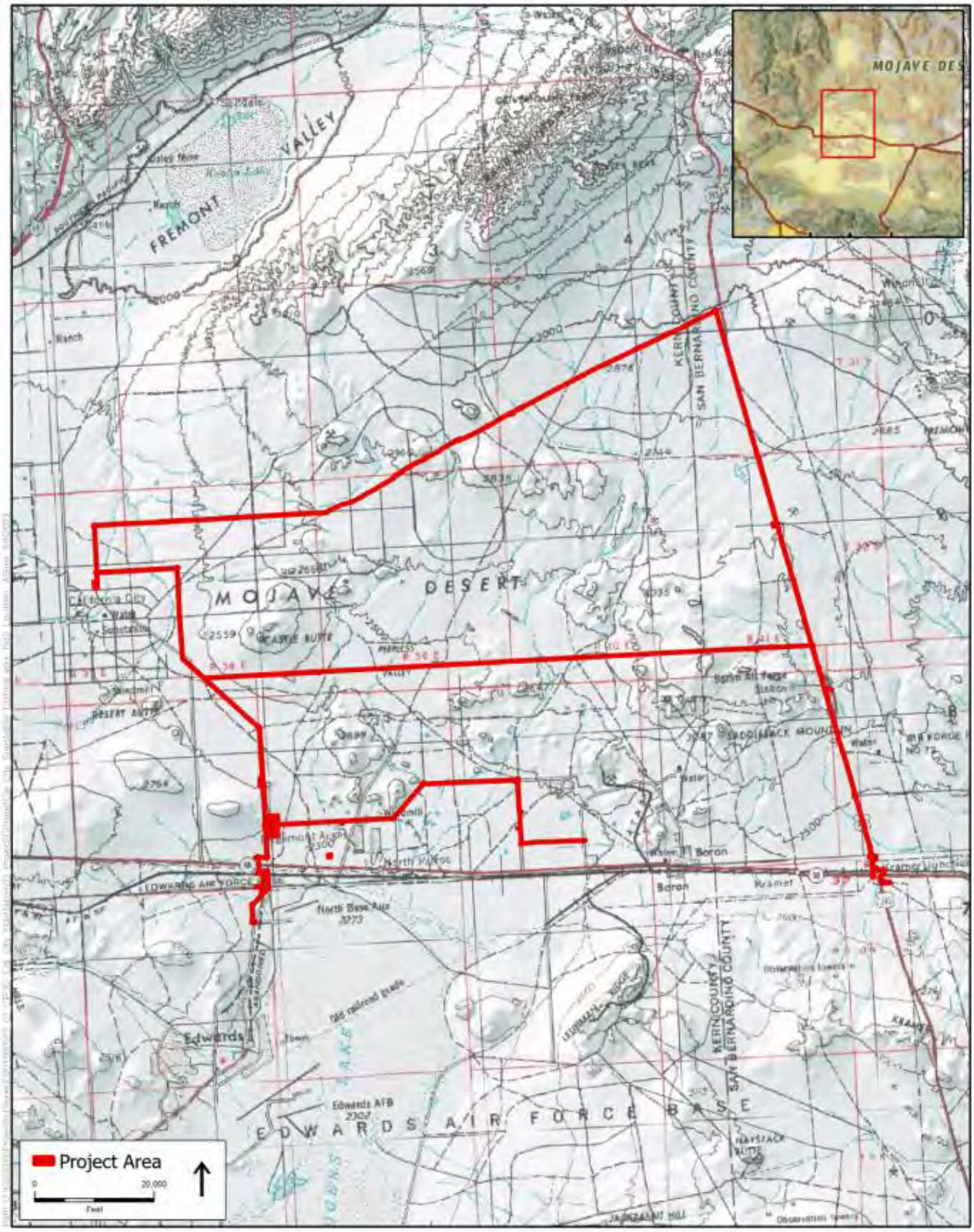

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Chairperson Robert Robinson
Kern Valley Indian Community
P.O. Box 1010
Lake Isabella, CA 93240

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Chairperson Robert Robinson,

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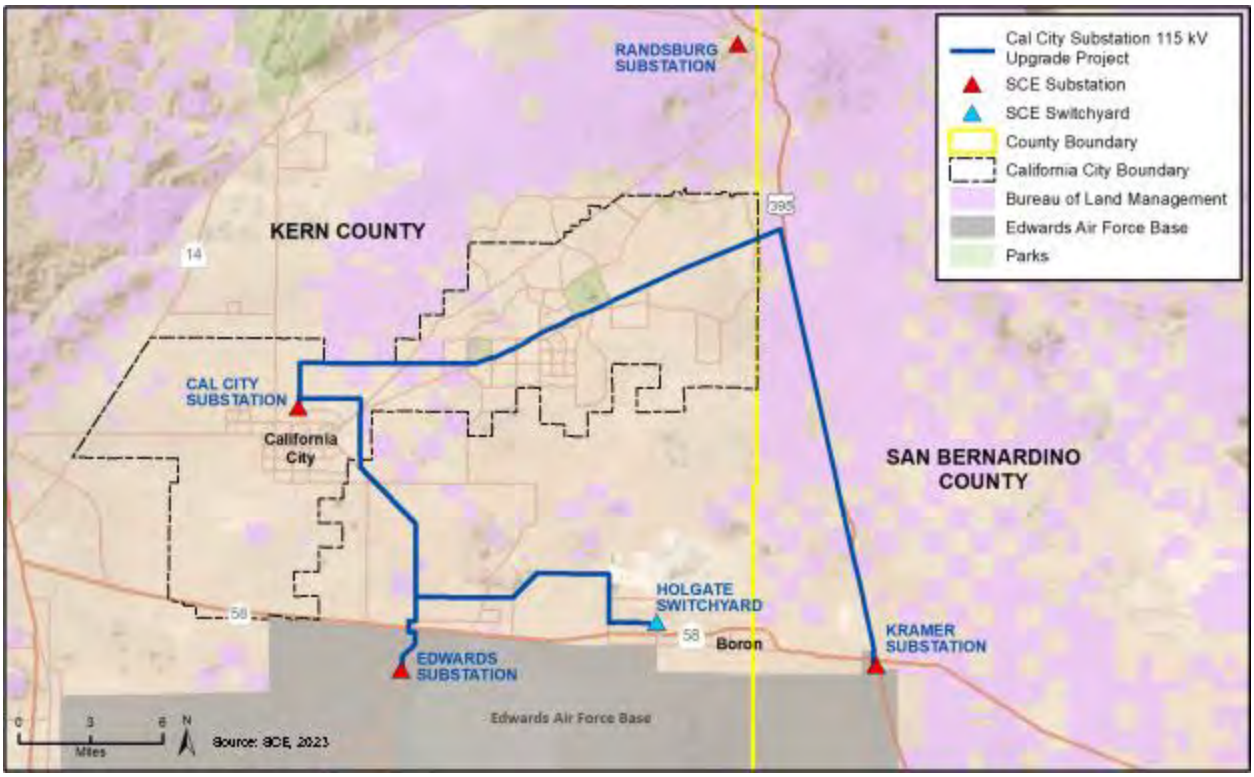

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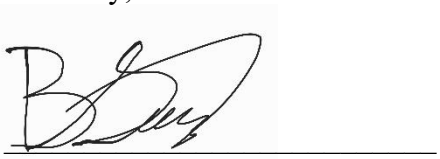

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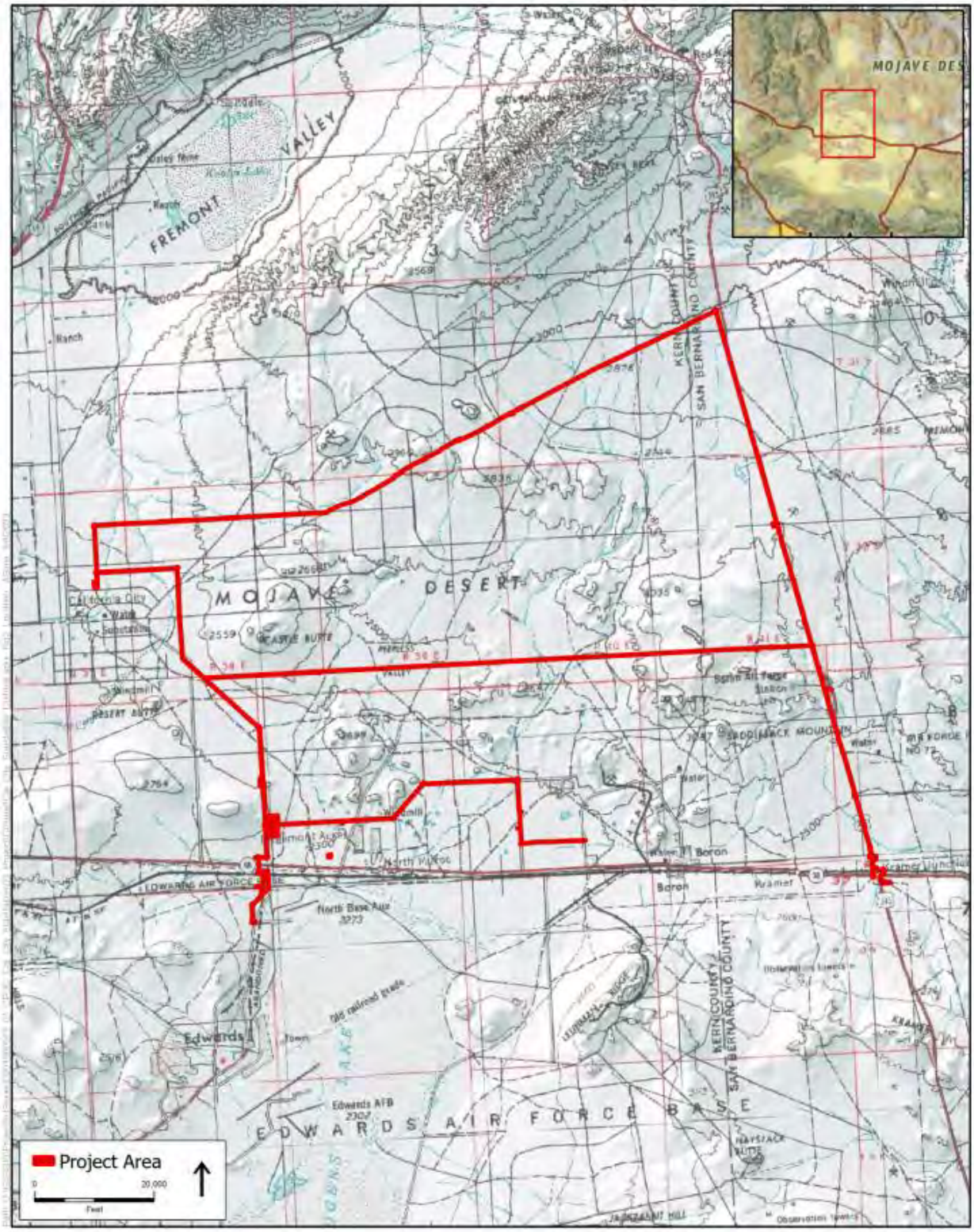

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

STATE OF CALIFORNIA Gavin Newsom., Governor

PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Co-Chairperson Wayne Walker
Serrano Nation of Mission Indians
P.O. Box 343
Patton, CA 92369

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Co-Chairperson Wayne Walker,

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Subject: *Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project*

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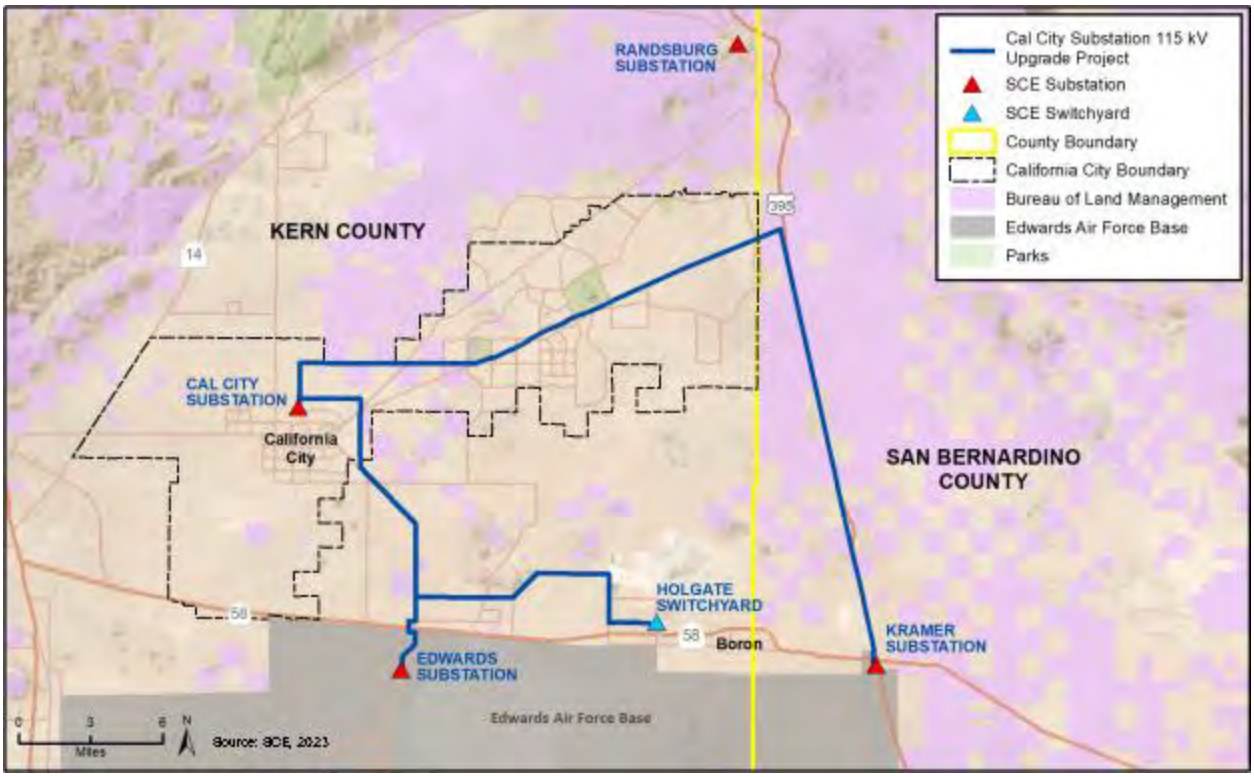

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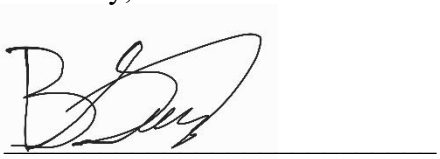

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California Public Utilities Commission
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San Francisco, CA, 94102-3298

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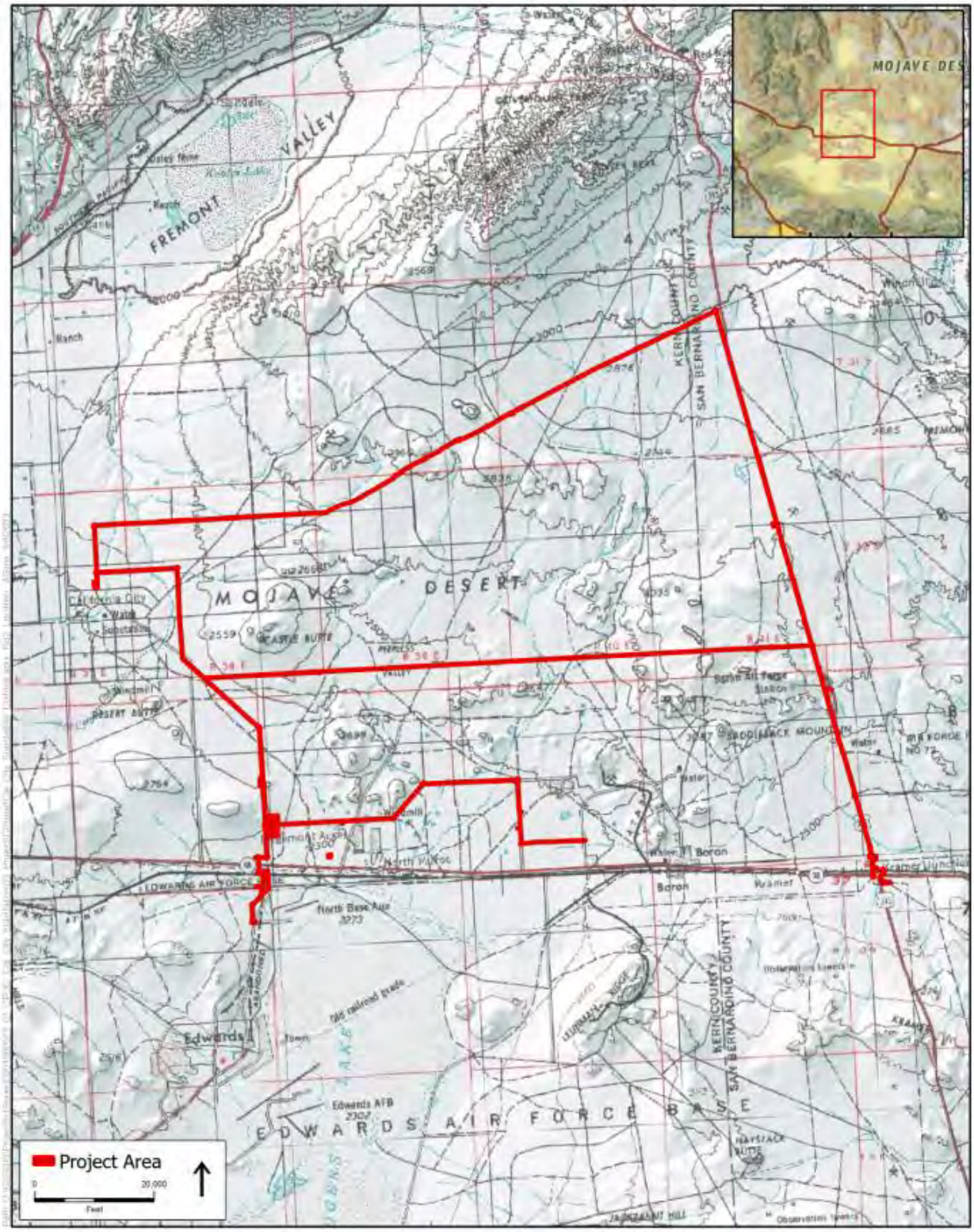

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D201900517.01 CPUC California City Substation

Figure 1
Project Location

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PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298

June 14, 2023

Chairperson Donna Yocum
San Fernando Band of Mission Indians
P.O. Box 221838
Newhall, CA 91322

Re: Request for Cultural Resources Information Related to CPUC's CEQA Review of Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project

Chairperson Donna Yocum,

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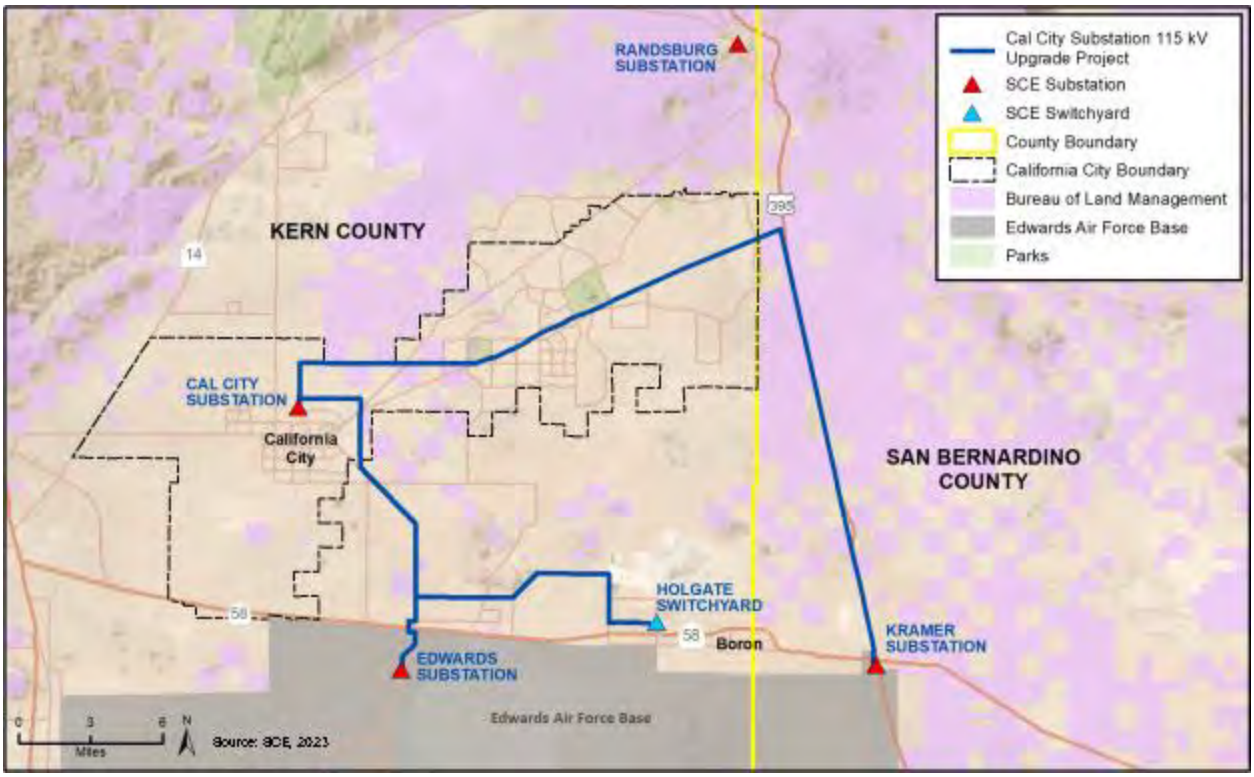

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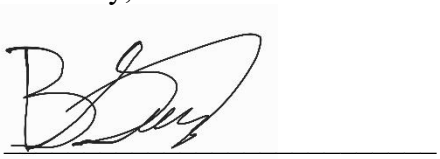

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California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298

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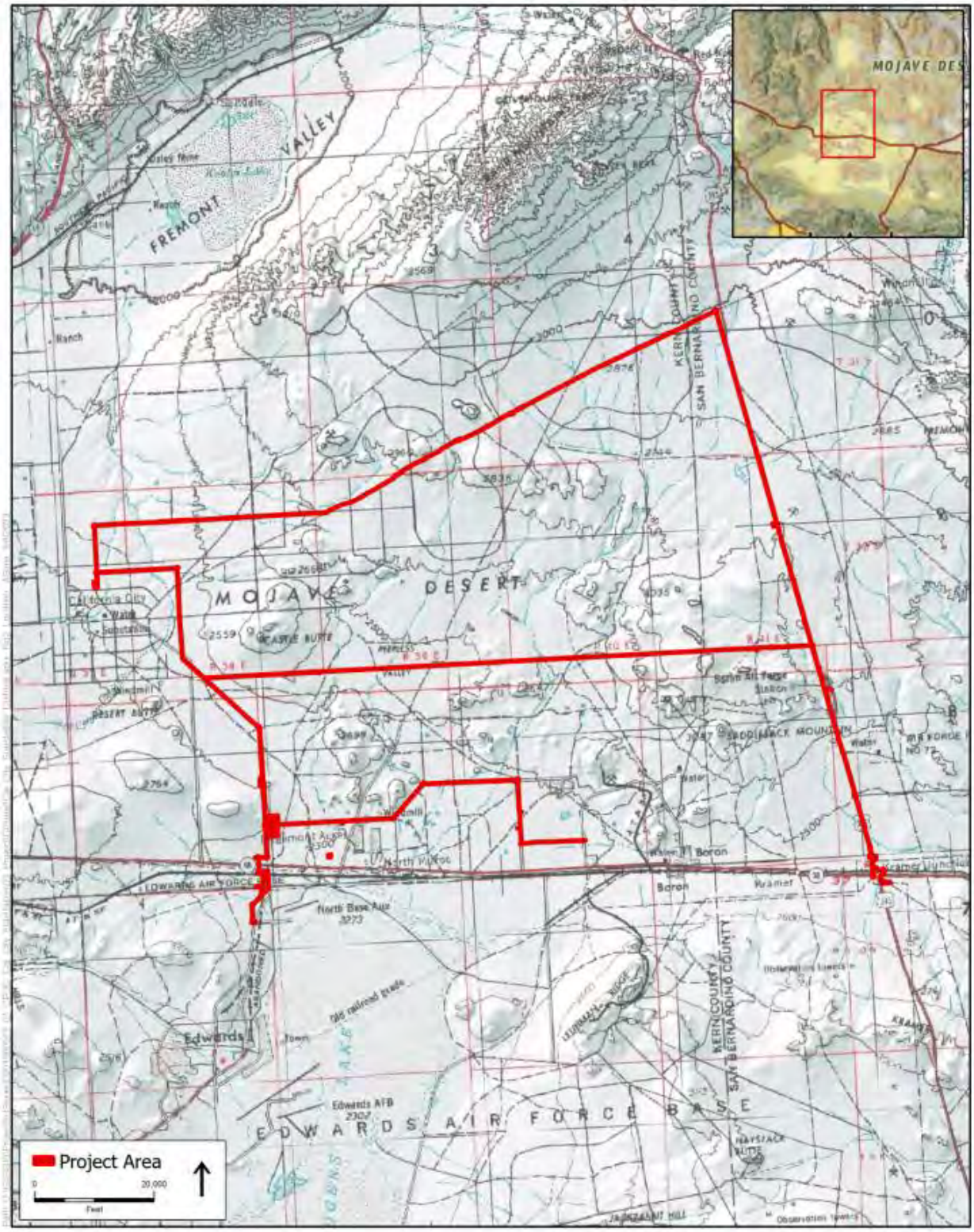

SOURCE: ESA, 2023; USGS, 2023

D201900517.01 CPUC California City Substation

Figure 1
Project Location

ESA

From: Ashleigh Sims
To: amadrigal@29palmsbomi-nsn.gov
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 11:04:00 AM
Attachments: Mike_Twenty_Nine_Palms_Band.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Tribal Chairman Darrell Mike,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

If you have any comments or concerns regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074) in relation to the proposed project, or would like to request any additional information, please contact the CPUC Project Manager for this project at address below or via email to Boris Sanchez (Boris.Sanchez@cpuc.ca.gov). Please include the name of a designated lead contact person with any response.

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298
Boris.Sanchez@cpuc.ca.gov

Thank you,
Ashleigh

Ashleigh Sims *(she/her)*
Archaeologist

ESA | **Environmental Science Associates**
Petaluma, CA

916.595.5539 **cell**

ASims@esassoc.com | **esassoc.com**

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From:	Ashleigh Sims
To:	"s.manning@bigpinepaiute.org"
Subject:	Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date:	Monday, July 17, 2023 11:11:00 AM
Attachments:	Manning_Big_Pine_Paiute.pdf image001.png image002.png image003.png image004.png image005.png

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Dear Environmental Director Sally Manning,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From:	Ashleigh Sims
To:	d.gutierrez@bigpinepaiute.org
Subject:	Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date:	Monday, July 17, 2023 11:10:00 AM
Attachments:	Gutierrez_Big_Pine_Paiute.pdf image001.png image002.png image003.png image004.png image005.png

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Dear Tribal Historic Preservation Officer Danelle Gutierrez,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From: Ashleigh Sims
To: j.rambeau@bigpinepaiute.org
Subject: Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 11:09:00 AM
Attachments: Rambeau_Big_Pine_Paiute.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Chairperson Rambeau,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From:	Ashleigh Sims
To:	chumashtribe@sbcglobal.net
Subject:	Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date:	Monday, July 17, 2023 11:12:00 AM
Attachments:	Quair_Chumash_Bakersfield.pdf image001.png image002.png image003.png image004.png image005.png

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Dear Chairperson Julio Quair,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From: Ashleigh Sims
To: "Amanda.Barrera@crit-nsn.gov"
Subject: B52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 10:43:00 AM
Attachments: Barrera_CRIT.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Tribal Secretary Amanda Barrera,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From: Ashleigh Sims
To: executivesecretary@quechantribe.com
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 10:54:00 AM
Attachments: Joaquin_Fort_Yuma_Quechan.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Quechan Tribal Council President Jordan Joaquin,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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Thank you,
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From: Ashleigh Sims
To: culturalcommittee@quechantribe.com
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 10:51:00 AM
Attachments: Scott_Fort_Yuma_Quechan.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Kw'ts'an Cultural Committee Acting Chairman Manfred Scott,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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Thank you,
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Ashleigh Sims *(she/her)*
Archaeologist

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From: Ashleigh Sims
To: "Quechan Historic Preservation Officer"
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 10:46:00 AM
Attachments: McCormick_Fort_Yuma_Quechan.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Historic Preservation Officer Jill McCormick,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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California Public Utilities Commission
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Thank you,
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Archaeologist

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From:	Ashleigh Sims
To:	bbutterbredt@gmail.com
Subject:	Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date:	Monday, July 17, 2023 11:14:00 AM
Attachments:	Robinson_Kern_Valley.pdf image001.png image002.png image003.png image004.png image005.png

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Dear Chairperson Robert Robinson,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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Thank you,
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From:	Ashleigh Sims
To:	"2deedominguez@gmail.com"
Subject:	Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date:	Monday, July 17, 2023 11:15:00 AM
Attachments:	Dominguez_Kitanemuk_Yowlumne.pdf image001.png image002.png image003.png image004.png image005.png

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Dear Chairperson Delia Dominguez,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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California Public Utilities Commission
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Boris.Sanchez@cpuc.ca.gov

Thank you,
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From: Ashleigh Sims
To: cjlinton73@aol.com
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 11:00:00 AM
Attachments: Linton_Kumeyaay.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Director of Cultural Resources Clint Linton,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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Thank you,
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From: Ashleigh Sims
To: abrierty@morongo-nsn.gov
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 10:55:00 AM
Attachments: Brierty_Morongo.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear THPO Ann Brierty,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From:	Ashleigh Sims
To:	dyocum@sfbmi.org
Subject:	Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date:	Monday, July 17, 2023 11:16:00 AM
Attachments:	Yocum_San_Fernando.pdf image001.png image002.png image003.png image004.png image005.png

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Dear Chairperson Donna Yocum,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From: Ashleigh Sims
To: alexandra.mccleary@sanmanuel-nsn.gov
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 10:58:00 AM
Attachments: McCleary_San_Manuel.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Cultural Lands Manager Alexandra McCleary,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From: Ashleigh Sims
To: culturalresourcemanagement@sanmanuel-nsn.gov
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 10:57:00 AM
Attachments: Director_of_CRM_San_Manuel.pdf
image001.png
image002.png
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image004.png
image005.png

Dear Director of the Cultural Resources Management,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From:	Ashleigh Sims
To:	serranonation1@gmail.com
Subject:	Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date:	Monday, July 17, 2023 11:17:00 AM
Attachments:	Walker_Serrano_Nation.pdf Cochrane_Serrano_Nation.pdf image001.png image002.png image003.png image004.png image005.png

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Dear Co-Chairpersons Wayne Walker and Mark Cochrane,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From: Ashleigh Sims
To: cgarza@tejonindiantribe-nsn.gov
Subject: AB52 Notification of SCE"s proposed Cal City 115 kV Upgrade Project
Date: Monday, July 17, 2023 11:02:00 AM
Attachments: Garza_Tejon.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear CRM Scheduler Candice Garza,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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From: Ashleigh Sims
To: colin.rambo@tejonindiantribe-nsn.gov
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 11:02:00 AM
Attachments: Rambo_Tejon.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Cultural Resource Management Technician Colin Rambo,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

If you have any comments or concerns regarding potential impacts to tribal cultural resources (as defined in Public Resources Code § 21074) in relation to the proposed project, or would like to request any additional information, please contact the CPUC Project Manager for this project at address below or via email to Boris Sanchez (Boris.Sanchez@cpuc.ca.gov). Please include the name of a designated lead contact person with any response.

Boris Sanchez
CPUC Project Manager
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA, 94102-3298
Boris.Sanchez@cpuc.ca.gov

Thank you,
Ashleigh

Ashleigh Sims *(she/her)*
Archaeologist

ESA | **Environmental Science Associates**
Petaluma, CA

916.595.5539 **cell**

ASims@esassoc.com | **esassoc.com**

ESA partners with clients and communities to drive sustainable, resilient, and equitable solutions that shape a better world.

Let's stay in touch! **Sign up for our newsletter.**

From: Ashleigh Sims
To: mmirelez@tmdci.org
Subject: AB52 Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date: Monday, July 17, 2023 11:03:00 AM
Attachments: Mirelez_Torres_Martinez_Desert_Cahuilla.pdf
image001.png
image002.png
image003.png
image004.png
image005.png

Dear Cultural Resource Coordinator Michael Mirelez,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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Thank you,
Ashleigh

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From:	Ashleigh Sims
To:	"neil.peyron@tulerivertribe-nsn.gov"
Subject:	Notification of SCE"s proposed Cal City Substation 115 kV Upgrade Project
Date:	Monday, July 17, 2023 11:18:00 AM
Attachments:	Peyron_Tule_River.pdf image001.png image002.png image003.png image004.png image005.png

---

Dear Chairperson Neil Peyron,

ESA, on behalf of the California Public Utilities Commission (CPUC), recently sent a certified letter to you regarding Southern California Edison's proposed Cal City Substation 115 kV Upgrade Project. We are following up via email to ensure that you have been notified of the project and offered the opportunity to respond. A copy of the letter is attached.

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Thank you,
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Appendix L
SCE Wildfire Plans

SOUTHERN CALIFORNIA EDISON COMPANY

Pomona, California

STANDARD SPECIFICATIONTRANSMISSION

NO. SST8-2018

REVISION 0

TRANSMISSION LINE PROJECT FIRE PLAN

(Supersedes Specification SST8-2015, Revision 0)

July 2, 2018

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SOUTHERN CALIFORNIA EDISON COMPANY
Pomona, California

STANDARD SPECIFICATION -TRANSMISSION

NO. SSTS-2018

REVISION 0

TRANSMISSION LINE PROJECT FIRE PLAN

(Supersedes Specification SSTS-2015, Revision 0)

July 2, 2018

Approved for Issue:

John Makkar
Senior Engineer,
Transmission Structural Engineering
T&D

11/6/18
Date

Norman W. Ju
Engineering Manager,
Transmission Engineering
T&D

11/6/2018
Date

Z
Mustafa M. Ali
Senior Engineering Manager,
Transmission Engineering
T&D

11/06/18
Date

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REVISION SUMMARY

The main purpose of this summary is to document previous and current revisions/amendments.

Revision/ Amendment	Date	Comments:	Revised by:
Rev. 0	02/21/06	Initial Issue	Albert Milikian
Rev. 0	11/23/15	Converted from Engineering Specification E-2005-104 to Transmission Standard Specification SST8-2015	L. Arellanes
Rev. 0	07/02/18	Revised Approval Signatures for SST8-2018	Mustafa M. Ali

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SOUTHERN CALIFORNIA EDISON COMPANY

Pomona, California

STANDARD SPECIFICATION _ TRANSMISSION

NO. SST8-2018

REVISION 0

TRANSMISSION LINE PROJECT FIRE PLAN

(Supersedes Specification SST8-2015, Revision 0)

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SECTION 1

TRANSMISSION LINE PROJECT FIRE PLAN

1.1 INTENT

A. This Specification has been developed for use by Edison and/or Contractor crews to ensure uniform guidelines for prevention, control, and extinguishment of fires are followed during transmission line construction projects. Frequent reference to and compliance with this Specification shall result in more consistency and greater fire control during transmission line construction.

B. The intent of this Specification is to provide an overall technical reference for the Work as defined in the Project Specification. However, not all sections of this Specification may be applicable to every Project. The Project Specification shall define the specific Project Job requirements and shall be the master document in regards to this Specification. In all cases where this Specification is in conflict with the Project Specification, the Project Specification shall apply.

C. Deviation from this Specification shall not be permitted unless so described in the Project Specifications or approved by Edison's Construction Representative.

D. All Working areas shall be maintained in an orderly, safe, clean and neat manner. As Work is completed in any one area, the area shall be promptly cleaned of all trash and surplus material and left in as good or better condition than initially encountered.

1.2 CONFORMANCE TO APPLICABLE CODES AND SAFETY REGULATIONS

A. Construction shall be performed in accordance with all sanitary, safety and building codes; Rules for Overhead Electric Line Construction G.O. 95, Public Utilities Commission, the National Electric Safety Code; and orders, ordinances and regulations that may apply. All Work shall be performed in accordance with the Constructor's Safety Policy, OSHA or any other applicable provisions of Federal, State or local safety regulations. All regulations of the Division of Industrial Safety of the applicable state, any other public agency, or insurance policies shall also be complied with.

B. All Work shall be accomplished by compliance to United States Forest Service Fire Plan, California Public Resource Code, Project Specification, this Specification, referenced specifications and standards, permitting constraints and conditions, and governing regulations using proper tools and equipment

that are in good Working condition.

C. The Work shall be performed in compliance with the latest version of the following codes and standards as amended to the date of the Project Specification, which are by reference, incorporated herein and made a part of the Project Specification. However, where the Drawings and/or this Specification calls for apparatus, workmanship, construction, etc., in excess of the referenced code requirements, Constructor shall take steps such that the Work shall be provided.

California Public Resource Code (Division 4. Forests, Forestry and Range and Forage Lands) (CPRC)

United States Forest Service Handbook (FSH)

Storm Water Pollution Prevention Plan (SWPPP)

1.3 RESPONSIBILITES

This Specification describes Constructor and Construction Representative's responsibilities. Edison or Constructor's crew may assume these responsibilities as follows:

A. Edison crew that are assigned to construct transmission lines will assume the responsibilities of "Constructor", as described in this Specification, or

B. Contractors who are contracted and authorized by Edison to construct transmission lines shall take on the responsibility of "Constructor", as delineated in this Specification.

C. A Construction Representative will be assigned by Southern California Edison.

1.4 SCOPE OF WORK

Constructor shall furnish all supervision, labor, tools, equipment and material necessary to prevent starting any fire, control spread of fires if started, and provide assistance for extinguishing fires started as a result of transmission line construction activities; as specified herein, the Project Specification, and Jobwalk Minutes.

1.5 SAFEGUARDS AND CONTROL OF FIRES

A. Constructor shall provide temporary safeguards, walks, rails, guards, construction fences, and suchlike, as required by any ordinances, as directed by the Construction Representative, or as necessary to protect workers, Edison employees, and the public from the time when the Work is begun until it is

accepted by Edison. Constructor shall ensure reasonable safeguards have been implemented to prevent any fires from starting.

B. Constructor shall incorporate Best Management Practices (BMS) to prevent starting any uncontrolled fire, control spread of fires if started, and provide assistance for extinguishing fires started as a result of transmission line construction. Constructor shall be solely responsible to owners or occupants of land for damage of every kind and nature resulting from the Work and activities of Constructor and its crews.

C. In the event of unforeseen damage to any improvement, Constructor shall promptly notify the Construction Representative and the owner of such improvements. Any damaged improvements shall immediately be repaired by Constructor as approved by the owner of such damaged facility. Other damaged property shall be repaired within a reasonable time.

1.6 PRECAUTIONS IN AREAS OF FIRE HAZARDS

A. Constructor shall use every reasonable precaution against starting fires where the Work is performed, in whole or in part, in an area covered with flammable dry grass, brush, and trees. Such precautions shall include, but not be limited to, prohibiting smoking on the Jobsite, use of spark arresters on equipment exhaust, and if necessary assigning a Fire Patrolperson whose responsibility shall be solely to monitor the Constructor's fire-prevention activities. The Fire Patrolperson shall be equipped with radio or cell phone communication capability.

B. Constructor shall provide required portable fire fighting equipment, shovels, axes, and other necessary fire fighting equipment at all sites where Work is in progress, and with all crews in transit.

C. Constructor shall observe all other precautionary measures that may be ordered by the United States Forest Service (USFS), Division of Forestry of the State where the worksite is located, County Fire Departments, and their authorized representative.

D. Constructor is further advised that during periods of extreme fire hazard due to critical weather conditions, United States Forest Service, Division of Forestry of the State where the worksite is located, and County Fire Departments may order Work to be suspended at any time in designated areas.

E. In the event of any uncontrolled fire near the Work, and as requested by the Construction Representative, Constructor shall furnish any and all of its forces and equipment to extinguish such fire as directed by the United States Forest Service, Division of Forestry of the State where the worksite is located, and

County Fire Departments. Under these conditions, Constructor's forces shall operate under the sole jurisdiction of the United States Forest Service, Division of Forestry of the State where the worksite is located, and County Fire Departments. Payment for labor and equipment shall be negotiated between the Constructor and the United States Forest Service.

1.7 FIRE PLAN REQUIREMENTS FOR US NATIONAL FOREST AREAS

1.7.1 Constructors Responsibilities

A. The provisions set forth in this section of the Project Fire Plan outline the Constructor's responsibility for fire prevention and suppression activities, along with the establishment of a fire attack procedure during transmission line construction projects which take place within U.S. National Forest areas. The "Project Vicinity" is defined as the area which is within and adjacent to the project rights-of-way and work areas, along with all roads used in connection with the construction activities. The provisions set forth in this section of the Project Fire Plan also specify conditions under which construction activities may be curtailed or shut down while within National Forest areas.

B. The terms and conditions of this Project Fire Plan are designed to be in compliance, or exceed the provisions of the U.S. Forest Service "Fire Plan for Construction and Service Contracts" dated 04-26-04 and is incorporated in it's entirety herein.

C. The Forest Service may conduct one or more inspections for compliance with this fire plan. The number, timing, and scope of such inspections will be committed at the discretion of the agency employees responsible for contract administration. Such inspections do not relieve the Constructor of responsibility for correcting violations of this fire plan or for fire safety in general.

Constructor (or his designated representative) shall:

1. Abide by the requirements of this Fire Plan,

2. Take all steps necessary to prevent his/her employees, subcontractors and their employees from setting fires,

3. Be responsible for preventing the escape of fires set accidentally as a result of construction activity,

4. Participate in the extinguishing of all fires in the event that they cannot be immediately contained until relieved by a representative of the U.S.

Forest Service,

5. Assure that all project fire prevention methods, tools, equipment and fire suppression activities are in accordance with any U.S. Forest Service, State, or local codes, the Project Specification requirements, and as stated herein,

6. Complete the Contractor's Plan Regarding Personnel, Equipment and Organization (See last page of this document), and furnish the U.S. Forest Service representative with a copy prior to commencing work in the National Forest Project Vicinity,

7. Advise the responsible U.S Forest Service representative of any changes in personnel, equipment and organization as the changes occur, and

8. Assign a fire patrolperson whose responsibility shall be solely to monitor the Constructor's fire-prevention activities. The fire patrolperson shall be equipped with radio or cell phone communication capability. The fire patrolperson shall perform the project fire patrolperson duties as described herein and any other duties as necessary to ensure that the Constructor is abiding by this Specification.

1.7.2 Operating and Construction Guidelines

Prior to commencement of Work each day, the Constructor shall obtain the Project Activity Level (PAL) and plan the work accordingly. Constructor shall then, as part of a morning safety tailboard meeting:

A. Review fire plan with employees, fire patrolperson, and the Construction Representative;

B. Review smoking policy;

C. Remind employees to not leave idling vehicles with hot exhaust manifolds on dirt roads with dead combustible vegetation under the vehicle;

D. Inspect vehicles and fire fighting equipment daily to ensure equipment is operable and that Fire Plan inspection sheet is still with vehicles;

E. Inspect any new vehicles and construction equipment to ensure it is properly equipped with minimum required fire fighting tools and equipment; and

F. Keep a detailed daily log which documents locations of all crew and equipment as part of placement in case a fire occurs.

1.7.3 Fire Prevention Measures

1.7.3.1 Permits Required

The Constructor shall secure a special written permit from the District Ranger or designated representative before engaging in any of the activities listed below:

A. Blasting and Storage of Explosives and Detonators. Explosives Permit is required by California Health & Safety Code, Section 12101,

B. Burning,

C. Air Pollution (Issued by local State or County Air Pollution Control Districts, as applicable.)

D. Camp, Lunch and Warming Fires.

E. Welding and Cutting.

1.7.3.2 Regulations for Burning

Before setting any fires whatsoever, the Constructor shall notify the Contracting Officer (CO) of his/her intentions. Special care shall be taken to prevent scorching or causing any damage to adjacent structures, trees, and shrubbery. Piles of material to be burned shall be of such size and so placed that during burning no damage shall result to adjacent objects.

1.7.3.3 Smoking and Fire Rules

Smoking shall not be permitted, except in a barren area or in an area cleared to mineral soil at least 3-feet in diameter. Designated smoking areas shall be assigned by the Constructor. Constructor shall provide closeable airtight and fireproof container designed to contain cigarette butts for designated smoking areas. Constructor shall post signs regarding smoking and fire rules in conspicuous places for all employees to see. Constructor's supervisory personnel shall require compliance with these rules. Under no circumstances shall smoking be permitted while Constructor’s employees are operating light or heavy equipment, while commuting to the Jobsite from highways, or walking or working in grass and woodlands.

1.7.3.4 Storage and Parking Areas

Equipment service areas, parking areas, and gas and oil storage areas shall be cleared of all flammable material for a radius of at least 50-feet. Small mobile or stationary engine sites shall be cleared of flammable material for a radius of at least 15-feet from such engine. The USFS Contracting Officer (CO) shall approve such sites in writing.

1.7.3.5 Welding

Constructor shall confine welding activity to cleared areas having a minimum radius of 10-feet measured from place of welding. If welding occurs on the line right-of-way, a fire patrolperson shall observe the operation.

1.7.3.6 Blasting

Constructor shall use electric caps only. When blasting is necessary in slash areas, a watchperson equipped with shovel and a water-filled backpack can (5 gallon), with hand pump, shall remain in the immediate area for an hour after blasting has been completed.

1.7.3.7 Oil Filter and Glass Jugs

Constructor shall remove from National Forest land all oily rags and used oil filters. Constructor shall prohibit his/her employees using glass bottles and jugs in National Forests.

1.7.4 Fire Fighting and Reporting Tools and Equipment

Constructor shall provide the Fire Fighting tools and equipment as listed below. All tools and equipment shall be in good workable condition and shall meet the following principle Forest Service specifications for fire tools:

A. Shovels shall be size "O" or larger and be not less than 46-inches in overall length.

B. Axes (or pulaskis) shall have 2-1/2 pound or larger heads and be not less than 28-inches in overall length.

1.7.4.1 For Diesel and Gasoline Operated Engines

For Project Activity Level A or higher, Constructor shall equip all diesel and/or gasoline-operated engines, both stationary and

mobile, and all flues used in any contract and camp operations with spark arresters that meet Forest Service standards set forth in the National Wildfire Coordinating Group publication for Multi-position Small Engines, #430-1, or General Purpose and Locomotive, #430-2.

Spark arresters are not required on equipment powered by exhaust- driven turbo-charged engines or motor vehicles equipped with a maintained muffler as defined in California Public Resources Code (CPRC), Section 4442 and 4443.

1.7.4.2 For Vehicles and Construction Operating Equipment

For Project Activity Level A or higher, Constructor shall furnish and have available for emergency use on each vehicle used in conjunction with performance of the work (i.e., truck, pickup trucks, crew vehicle, tractor, grader and other construction equipment) hand tools and/or equipment as follows:

A. One shovel,

B. One axe (or pulaski), and

C. A fully charged 2-A:10-B:C fire extinguisher, or larger.

1.7.4.3 For Machines with Hydraulic Systems

For Project Activity Level A or higher, Constructor shall equip each mechanized harvesting machine with hydraulic systems, powered by an internal combustion engine (e.g., chipper, feller/buncher, harvester, forwarder, stroke delimber, etc), except tractors and skidders, with at least two 4-A:80-B:C fire extinguishers, or equivalent. In addition, concentrations of wood dust and debris shall be removed from such equipment daily.

1.7.4.4 For Welders

For Project Activity Level A or higher, Constructor shall furnish one (1) shovel and one (1) backpack 5 gallon water-filled tank with pump with each welder.

1.7.4.5 For Non-Self-Propelling Gasoline or Diesel Powered Tools

For Project Activity Level A or higher, Constructor shall furnish one shovel and one pressurized chemical fire extinguisher for each gasoline- powered tool, including but not restricted to

compressors, hydraulic accumulators, gardening tools (such as chain saws and weed trimmers), soil augers, rock drills, etc. Fire extinguishers shall be of the type and size necessary to provide assurance of controlling fire caused by use of portable power tools under various climatic and fuel conditions. Shovel must be kept within 100-feet from each chain saw when used off cleared landing areas.

1.7.4.6 Communication Capability

A. For Project Activity Level A or higher, Constructor shall furnish communication capability (e.g., a serviceable telephone, radio-telephone, or radio system) connecting each operation with the designated Forest Service Dispatch Center. A radio-equipped fire patrolperson vehicle will satisfy this requirement if in operation during the time required.

B. The communication system shall provide prompt and reliable communications between the Constructor's operations and the Forest Service Dispatch Center.

C. The communications system shall be operable during Constructor's operation in the fire precautionary period and at the time fire patrolperson service is required.

D. The communications system shall be capable of contacting the designated Forest Service Dispatch Center within five (5) minutes of discovery of a fire in the Constructor’s operating area.

1.7.4.7 For Project Work Area

A. A project work area is an area where Work is concentrated, including a zone extending 500-feet radially from the center of a work area.

B. For Project Activity Level B or higher, the following personnel and equipment shall be provided:

1.7.4.7.1 Fire Patrolperson

Constructor shall provide and stage the following personnel and equipment at each project work area:

A. One dedicated fire patrolperson who shall be responsible for patrol of the activities for prevention, detection, control, and extinguishing of fires;

B. One water filled five (5) gallons backpack pump dedicated to the fire patrolperson;

C. One water filled five (5) gallons backpack pump dedicated to the crew at the project work area; and

D. Proven working and reliable communication equipment, radio or cell phone, which guarantees communication path to 911 operator in case of emergency. This communication equipment can be vehicle equipment but must be portable if remote operation away from the vehicle is commenced.

1.7.4.7.2 Water Tank or Trailer

A. Constructor shall furnish a water tank truck or trailer. The truck may serve a dual purpose. The truck may be used to spray water on roads and work area to suppress dust as per Storm Water Pollution Prevention Plan (SWPPP) requirements. The main purpose shall be to assist in the fire prevention and fire fighting activities. The truck shall never have less than 300 gallons of water aboard, even when en-route to refill.

B. The water tank truck or trailer shall be located on or adjacent to the project work area and meet the following minimum specifications:

1. Contain at least 300 gallons of water;

2. A combination straight stream-fog nozzle with 300-feet of 1-inch fire hose, with no segment longer than 50-feet;

3. Fire hose with nozzle closed shall be capable of withstanding 200 psi pump pressure without leaking, slipping of couplings, distortions, or other failures;

4. Nozzle discharge rating of six to 20 gallons per minute;

5. A pump capable of delivering 23 gallons per minute at 175 pounds psi at sea level;

6. Power unit for pump shall have fuel for at least 2-hours operation, with ample transport available for

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immediate and safe movement of tank over roads serving the contract area; and

7. Pump outlet shall be equipped with 1-1/2 inch National Standard Fire Hose thread.

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1.7.4.7.3 Support Truck

Constructor shall provide one support truck for each heavy piece of equipment operating solo while mobile. The support truck shall follow the heavy equipment as it operates. As an example, as a grader grades a road, a support truck shall follow. This does not apply to a water truck.

1.7.4.8 For Heavy Construction Operating Equipment

For Project Activity Level C or higher, Constructor shall furnish and have available for emergency use on each heavy construction operating equipment used in conjunction with performance of the work additional firefighting capabilities as follows:

A. An onboard self-extinguishing fire suppression system capable of extinguishing any equipment caused fire, or

B. A portable Class A fire suppression system capable of extinguishing a 20-foot by 20-foot wild land fire within 5 minutes of discovery. The Class A system shall meet the following specifications:

1. 100-feet of 1-inch hose,
2. Minimum discharge distance of 50-feet,
3. Minimum pressure of 100 psi at discharge orifice, and
4. Sustainable for minimum of 5 minutes.

1.7.4.9 For Central Mobilization Area

For Project Activity Level C or higher, Constructor shall equip a centrally designated mobilization area, or at a concentrated long term project work area one sealed box of firefighting tools. The box shall be sealed with a Forest Service seal to be broken for emergency use only. The box shall be unlocked during transmission line project construction activities.

The box shall contain:

1. Three (3) five gallons backpack pump-type fire extinguishers filled with water;
2. Five (5) shovels;

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3. Five (5) axes;

4. Five (5) McCleod fire tools;

5. One (1) serviceable chain saw of 3-1/2 or more horsepower with a cutting bar 20-inches in length or longer.

1.7.4.10 For Tractor Dozer

For Project Activity Level C or higher, Constructor shall furnish two (2) tractor headlights for each tractor dozer. Tractor headlights shall be attachable to each tractor and served by an adequate power source.

1.7.5 EMERGENCY MEASURES

A. The table set forth below establishes work restrictions and fire precautions that the Constructor shall observe at each project activity level. The restrictions are cumulative at each level.

B. Constructor shall conform to the limitations or requirements of Project Activity Level (PAL) obtained from Forest Service before starting Work each day. If practicable, Forest Service will determine the following day's activity level by 4:00 p.m. each afternoon. Activity level may be changed at any time if, in the judgment of the Forest Service, fire danger is higher or lower than predicted and such change is consistent with forest management objectives. The decision to change the activity level, and when, and how to take weather observations for that purpose, are within the discretion of Forest Service.

C. Project Activity Level applicable to this project shall be for Fuel Model G, National Fire Danger Rating System, and Remote Automated Weather Station (RAWS) or fire danger rating area stated in the legend of Project Area Map.

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PROJECT ACTIVITY LEVELS

Project Activity Requirements

Level

A 1. As required by Sections 1.7.4.1 through 1.7.4.6 above.

B 1. As required by Sections 1.7.4.1 through 1.7.4.7 above.

2. Furnish fire patrolperson. A fire patrolperson is required for mechanical operations, including equipment with high speed rotary heads (i.e., > 1,100 RPM) from cessation of operations until 2-hours after operations cease or sunset, whichever occurs first.

C 1. As required by Sections 1.7.4.1 through 1.7.4.10 above.

2. Fire patrolperson is required until sunset local time.

3. The following operations are prohibited from 1:00 PM until 8:00 PM local time:

a) Blasting

b) Dead tree felling (with high speed rotary head), limbing, or bucking except recently dead trees.

c) Operating high speed rotary head equipment.

D 1. As required by Sections 1.7.4.1 through 1.7.4.10 above

2. The following operations are prohibited between hours of 10:00 AM and 8:00 PM local time:

a) Blasting;

b) Mechanized operations for felling (with high speed rotary head), bucking, and limbing; and

c) Felling dead material.

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(Cont'd)

Project Activity Requirements

Level

D 3. The following activities may not operate between hours of 1:00 PM and 8:00 PM local time except by special permit:

a) Rubber Tired Skidding
b) Chipping on Roads or Landings
c) Cable Yarding
d) Welding or Cutting of Metal
e) Road Maintenance
f) Culvert Installation
g) Dirt Moving
h) Helicopter Yarding
i) Hand Slash Disposal
j) Chainsaw Operations on Landings and Roadbeds

4. Other operations may continue after 1:00 PM local time, if they meet the following requirements:

A fire patrolperson is required to walk all areas treated that day once per hour, until sunset local time. This includes chainsaw felling, metal track skidding, machines with chainsaw cutting heads and mastication equipment.

Ev 1. As required by Sections 1.7.4.1 through 1.7.4.10 above

2. The following activities may operate:

a) Loading of trucks at landing and hauling
b) Equipment at approved sites may be serviced
c) Roads: Dust abatement or rock aggregate installation (does not include pit development)

3. Other operations may continue until 1:00 PM local time when Constructor and Forest Service agree to variance.

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E 1. As required by Sections 1.7.4.1 through 1.7.4.10 above.

2. he following activities may operate:
   a) Loading of trucks at landing and Hauling
   b) Equipment at approved sites may be serviced
   c) Roads: dust abatement or rock aggregate installation (does not include pit development)

1.7.6 REPORTING FIRES

Constructor shall report all fires to any of the following Forest Service facilities and/or personnel listed below, but not necessarily in the order shown:

	Name	Address and/or Telephone Number
Dispatch Center		
Nearest FS Station		
Inspector		
COR		
District Ranger		
D.R. Designated Rep		

When reporting a fire, provide the following information:

A. Your Name
B. Call back Telephone Number
C. Project Name
D. Location
E. Legal Description (Township, Range, Section); and Descriptive location (Reference point)

DRAFT

Fire Information:

F. Acres;
G. Rate of Spread; and
H. Wind Conditions

DRAFT

Constructor's Plan Regarding Personnel, Equipment and Organization

The Constructor shall, prior to commencing work, furnish the following information relating to key personnel, tools and equipment available for the purpose of fighting wild fires within and adjacent to the Contract Area:

KEY PERSONNEL: (In order of call preferences)

	Name	Address and/or Telephone Number
Fire Supervisor		
Fire Patrolperson		

PERSONNEL AND EQUIPMENT:

	Number	Classification, Type, Make & Model
Fire Fighters		
Fallers		
Power Saws		
Other Equipment		

Contractor's Signature

Date

Contractor's Officer's Signature

Date

DRAFT

Gary Chen
Director, Safety & Infrastructure Policy
gary.chen@sce.com

Docket#: 2023-2025 WMPs

April 2, 2024

Shannon O'Rourke
Deputy Director
Office of Energy Infrastructure Safety
715 P Street, 20th Floor
Sacramento, CA 95814

SUBJECT: Version Update to SCE's 2023-2025 Wildfire Mitigation Plan

Dear Deputy Director O'Rourke:

Pursuant the 2025 Wildfire Mitigation Plan Update Guidelines, SCE is submitting an updated version of its 2023-2025 Wildfire Mitigation Plan.

This version reflects the following:

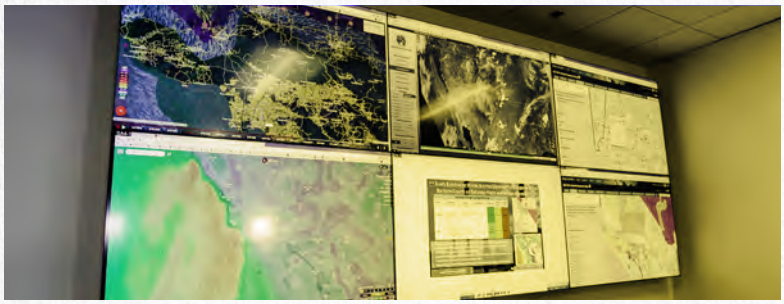
- SCE's errata submitted to OEIS on April 6, 2023
- SCE's errata submitted to OEIS on April 26, 2023
- SCE's errata submitted to OEIS on August 14, 2023
- Additional corrections requested by OEIS on September 28, 2023
- Changes due to reportable updates in the 2025 WMP Update submitted on April 2, 2024

SCE's WMP and associated materials, including the submissions noted above, are available at: https://www.sce.com/safety/wild-fire-mitigation.

Sincerely,

//s//
Gary Chen
Director, Safety & Infrastructure Policy
gary.chen@sce.com

2023-2025
WILDFIRE MITIGATION PLAN



Docket: 2023 to 2025 Electrical Corporation Wildfire Mitigation Plans Docket#: 2023-2025-WMPs

April 2nd, 2024

SOUTHERN CALIFORNIA EDISON®

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1 EXECUTIVE SUMMARY

SCE is dedicated to the safety of our customers and the communities we serve. Our 2020-2022 Wildfire Mitigation Plan (WMP) was a comprehensive blueprint to address wildfire risk and Public Safety Power Shutoff (PSPS) impacts in SCE's service area and was developed with the input of our regulators, public safety partners, local governments, community groups, fellow electrical corporations, and other stakeholders. The execution of our 2020-2022 WMP helped make meaningful progress in reducing a large portion of wildfire risk and PSPS impacts on our system. Our 2023-2025 WMP builds upon our accomplishments and lessons learned from the 2020-2022 WMP to maintain the risk reduction achieved to date and is intended to further reduce the significant wildfire risk and PSPS impacts that remain. Below, SCE describes our past successes and path forward.

1.1 Summary of the 2020-2022 WMP Cycle

California has experienced extreme drought conditions during the past three years, which have — along with exceedingly low fuel moisture, high temperatures and very strong wind gusts — increased the unmitigated risk for ignition and spread of wildfires.[1] The California Department of Forestry and Fire Protection's (CAL FIRE) data indicates that nearly half of the 20 largest wildfires since 1932 have occurred in the past three years, including the single- largest fire.[2] In October 2021, Governor Gavin Newsom declared a drought emergency across California, stating that August 2021 was the driest and hottest August on record since the state began reporting data.[3] In August 2022, Governor Newsom declared a state of emergency for an extreme heat event, where temperatures exceeded 110 degrees in some areas.[4]

SCE's 2020-2022 WMP set forth a comprehensive set of initiatives designed specifically to mitigate wildfire and PSPS risk in the face of these dire circumstances. While we were already implementing myriad wildfire mitigation initiatives in the years before 2020, over the 2020-2022 WMP period we made even more progress in hardening our system and improving our capabilities in risk and weather modeling, asset inspections, vegetation management, situational awareness and community outreach.

We achieved 136 of the 147 (~93%) annual goals in the years they were established and completed nearly all the remaining goals within the 2020-2022 WMP period, resulting in significant reductions to wildfire and PSPS risk. Table SCE 1-01 below highlights the progress made in deploying wildfire and PSPS mitigation activities in the 2020-2022 WMP timeframe.

[1] Despite the recent precipitation, much of California remains in moderate, and in some areas, severe drought conditions. The concentrated rainfall is also expected to increase brush growth which may lead to a heightened fire risk later in the year.

[2] https://www.fire.ca.gov/media/4jandlhh/top20_acres.pdf Nine of the 20 largest wildfires happened in 2020-2021.

[3] https://www.gov.ca.gov/2021/10/19/governor-newsom-expands-drought-emergency-statewide-urges-californians-to-redouble-water-conservation-efforts.

[4] https://www.gov.ca.gov/wp-content/uploads/2022/08/8.31.22-Heat-Proclamation.pdf?emrc=78e3fc.

Table SCE 1-01 - Summary of 2020-2022 WMP Achievements

Initiative	Achievements in 2020-2022
Covered Conductor	Installed more than 3,880 circuit miles, bringing total covered conductor miles installed to nearly 4,400, or over 44% of SCE's HFRA
Undergrounding	Completed more than 19 miles
High Fire Risk Inspections and Remediations	Completed approximately 541,400 distribution and 73,600 transmission structure inspections in High Fire Risk Area (HFRA), including areas of concern, using an approach that now inspects transmission and distribution structures that represent up to 99% of risk each year; performed repairs and replacements
Vegetation Management	Maintained line clearances; completed hazard tree assessments on more than 1,325 circuits and performed 21,000 hazard tree mitigations — and marked the substantial completion of one full pass of SCE's service area for conducting hazard assessments; cleared brush at the base of more than 502,400 poles
Public Safety Power Shutoff	Developed circuit-specific mitigation plans including deploying grid hardening measures on over 140 circuits, further advanced risk modeling to inform FPI thresholds, enhanced customer notification processes and developed a portfolio of customer care offerings
Weather Stations	Installed more than 1,150 weather stations, resulting in more than 1,620 weather stations installed across our HFRA; expanded artificial intelligence/machine learning (AI/ML) capabilities for improved forecasting
High-Definition Cameras	Installed 21 HD cameras, resulting in a total of more than 180 HD cameras installed across our service area since inception; this represents approximately 90% coverage of our HFRA
Sectionalizing Devices	Installed more than 80 devices, resulting in a total of more than 150 devices installed since this wildfire program's inception, adding to SCE existing portfolio of remote sectionalization devices.
Fast-Acting, Current-Limiting Fuses	Installed/replaced fusing at more than 3,740 fuse locations, resulting in fusing installed/replaced at more than 13,700 fuse locations on the grid since program inception
Customer Resiliency Programs	Delivered more than 10,200 Critical Care Backup Batteries to medical baseline customers and introduced in-event battery loan pilot; developed targeted programs to support critical care Medical Baseline customers, Access & Functional Needs (AFN) customers and communities frequently impacted by PSPS

Because of these efforts, SCE has reduced wildfire risk significantly. SCE has used the performance of these and associated metrics to help inform the development of this 2023-2025 plan. When compared to the 2017-2018 period, the number of acres burned and structures destroyed in 2021-2022 were 92%

and 98% lower, respectively, despite continued extreme drought and wind conditions.[5] Further, there have not been any fires associated with covered conductor caused by risk drivers that covered conductor was designed to directly address. We have also seen approximately 53% less tree-caused electrical faults[6] and a decrease of 61% in asset conditions found from inspections that require remediation, even with updating the inspection form to include additional items and conditions to inspect for.[7] However, a significant portion of our HFRA still remains unhardened where ignitions can endanger communities due to limited egress or where fires can spread rapidly and widely.

PSPS has proven to be an effective measure of last resort to reduce the risk of wildfires. Our post-event patrols from 2018-2022 found approximately 90 incidents of wind-related damage on lines de-energized during PSPS events that potentially could have caused ignitions. There were likely many more potential incidents prevented that could not be observed after the events (e.g., objects hitting the line and falling to the ground). And although SCE uses PSPS judiciously, we recognize the impact de-energizations have on our customers. As such, we have made substantial progress in our PSPS risk mitigation, with customer minutes of interruption (CMI), customer outages and circuit de-energizations dropping by over 70% from 2020-2022.[8]

Each year, we incorporated lessons learned from our fire investigations into our Wildfire Mitigation Plan. For example, when we learned that asset deterioration is not always fully observable from the ground, we supplemented our ground inspections with aerial inspections. As another example, analysis showed that one risk factor is long spans in between poles where wires could clash with each other. As such, we implemented our long span initiative to install components that reduce the chances of wire clash. Finally, when detailed analysis of ignition events showed an increase in fires started by secondary wires, we enhanced our inspections process to look specifically for those issues.

Each year, we also continuously improved our existing wildfire mitigation capabilities and strategy. For example, we refined our risk analysis to pay special attention to specific areas where traditional fire science did not fully capture risk, such as areas with heightened chances of fires driven by dry fuel and areas where limited egress or certain terrain conditions would exacerbate the consequences of a wildfire. Similarly, we refined our prioritization of grid hardening, asset inspections and vegetation management activities in alignment with our refined risk analysis. We also revisited and refreshed our protection device settings during elevated fire conditions to further reduce wildfire risk while balancing customer reliability impacts. As we scaled out our deployment of covered conductor, our cornerstone mitigation to buy down the most risk in the shortest amount of time, we also started to execute limited, targeted undergrounding to minimize to the extent practicable the risk of wildfire from those facilities. And to pave the way for the future of wildfire mitigations, we tested new technologies like Early Fault Detection (EFD) and Rapid Earth Fault Current Limiter (REFCL). We established innovative partnerships with local fire agencies to provide aerial suppression resources to limit consequences from ignitions. To limit the impacts of PSPS when it must be used, we upgraded our grid to minimize the number of customers affected and the length of each event and designed new programs to reduce the impacts to

[5] Even when using a conservative three-year rolling average, there has been a 66% and 92% reduction in acres burned and structures damaged, respectively, since 2018 despite continued extreme drought and wind conditions.

[6] Measured by three-year moving average in HFTD.

[7] Measured as Total Defect Find Rate of Top Ignition Drivers (percentage of inspections) in 2022 as compared to 2019 (inception of program) for structures inspected every year.

[8] Non-weather-normalized outcomes.

customers. Finally, we expanded our partnerships with local, state and federal agencies to enhance emergency preparedness, community engagement and the execution of our wildfire mitigation plan.

1.2 Summary of the 2023-2025 Base WMP

Goal: The primary goal of our WMP is to reduce the risk of wildfires associated with utility equipment and to reduce the scope, scale, frequency and impacts of PSPS events.

Objectives: To accomplish this goal, we have established three- and 10-year objectives for our 2023-2025 WMP that are summarized as follows:

- Reduce the likelihood that objects will contact power lines and lead to an ignition by hardening the majority of the overhead distribution system in our high fire risk area with either covered conductor (and other mitigations) or targeted undergrounding, developing an expanded transmission grid hardening strategy and continuing to maintain vegetation clearance distances for trees and vegetation that could potentially contact power lines.
- Reduce the likelihood that equipment will fail and lead to an ignition by continuing to perform asset inspection initiatives that inspect over 99% of wildfire risk in our HFRA each year and by deploying new technologies that can detect when issues on the system may arise.
- Prioritize the deployment of our mitigation initiatives to the areas that have the greatest potential to lead to the most consequential wildfire and PSPS impacts.
- Improve the efficiency and effectiveness of our vegetation management activities to reduce the risk of vegetation-caused ignitions.
- Improve the operational efficiency and effectiveness of our wildfire mitigation initiatives by enhancing program deployment strategies, leveraging information technology solutions and incorporating new technologies where possible.
- Continue to improve our situational awareness capabilities by enhancing weather and fire potential modeling and forecasting, which will aid PSPS decisions and wildfire mitigation deployment.
- Reduce the impacts of PSPS to customers, particularly those with Access and Functional Needs, through expanded customer offerings, communications and circuit-specific strategies to minimize the need for PSPS altogether.
- Maintain a comprehensive, all-hazards planning and preparedness program to: provide effective emergency response; safely and expeditiously restore service during and after a major event; and communicate effectively with customers, stakeholders and agency partners.
- Deploy new technologies and updated protection device settings to improve wildfire mitigation effectiveness while balancing reliability impacts to customers.

Framework: This WMP represents the continuous refinement, expansion and improvement in our wildfire and PSPS mitigation efforts. While many of the foundational initiatives SCE deployed over the

2020-2022 period continue into this WMP cycle, we are incorporating improvements and lessons learned into our 2023-2025 plan. Importantly, we'll continue to execute on our Integrated Wildfire Mitigation Strategy (IWMS), which further aligns grid hardening, inspections and vegetation management activities. This will reduce the risk of catastrophic wildfire by targeting locations that have historically experienced a high frequency of fires and have limited road availability for quick evacuation, are expected to experience wind and fuel conditions that exceed PSPS thresholds even after covered conductor deployment and where fire spread can be rapid and large.[9] IWMS stratifies our HFRA based on potential customer and community impacts into three tranches of risk areas: (1) Severe Risk Areas, which represent locations with the highest risks; (2) High Consequence Areas; and (3) Other HFRA, which represent areas of lower relative risk than the first two tranches.

Based on IWMS and detailed engineering reviews, we will continue to deploy covered conductor to expeditiously reduce risk across HFRA while also increasing the scope of targeted undergrounding of overhead distribution facilities in the Severe Risk Areas. In Severe Risk Areas, factors such as limited egress, terrain or fuel can create conditions that are difficult for most mitigations, except for undergrounding, to address without leaving a substantial amount of residual public safety risk. Therefore, SCE believes that undergrounding should be the primary mitigation deployed in these areas, where feasible.

In concert with continuing to harden the grid, SCE will achieve the objectives identified above by deploying a suite of complementary mitigations to achieve the greatest risk reduction most expediently while balancing affordability and reliability impacts. This suite of mitigations will include enhancements to our successful asset inspections and maintenance, vegetation management, situational awareness and customer-focused initiatives, as well as new technologies and mitigation strategies to address the residual risk drivers and consequences that have not yet been sufficiently addressed. Our 2023-2025 WMP includes 40 activities with program targets that underscore our commitment to reduce the risk of wildfires and support our communities. We highlight some of the key activities for each wildfire mitigation category below.

1.2.1 Risk Methodology and Assessment: Advancements in Risk Modeling Capabilities Will Allow for More Robust Evaluation of Mitigations at Specific Locations of the Grid

SCE's risk-informed approach is granular, data-driven and uses a multifactor risk assessment framework that informs what mitigations are implemented where and how deployment is prioritized. This level of targeted risk analysis and mitigation selection helps drive efficient allocation of resources to mitigate risk effectively. We also evaluate operational considerations such as planning, permitting and execution lead times, resource constraints, work management efficiencies, risk-reduction potential of mitigations on targeted risk drivers and regulatory compliance requirements to determine the type and volume of work to undertake.

Over the 2023-2025 period, we will update our risk models with improved machine learning (ML) models, weather and fuels information, forward-looking climate scenarios, risk reduction from completed grid hardening projects and lessons learned in collaboration with Energy Safety, stakeholders

[9] SCE targets locations where fires can grow to 300 acres in eight hours. Our analysis shows that fires of that size have the potential to grow to 10,000 acres, twice the threshold defined by Energy Safety for a catastrophic fire.

and utilities through the risk-modeling working groups. SCE will further evaluate incorporating other quantitative factors such as potential acres burned, locations with egress concerns and/or locations subject to frequent high wind and dry fuel conditions into our risk modeling. We will also incorporate the judgment of experts from areas such as fire science, risk management and system design to consider additional qualitative factors not fully captured by ignition modeling alone such as features of the terrain and direction of the wind that could influence the spread of a fire. All these factors and models are used to determine the portfolio of wildfire mitigation work to execute each year, including the type, volume and prioritization of mitigations.

1.2.2 Grid Design, Operations and Maintenance: Expanded Measures Are Expected to Further Reduce Wildfire Risk from Overhead Electric Systems

SCE has continued to refine its grid hardening approach through its IWMS, which guides our mitigation selection and deployment strategy. A key component of this approach is a segment-by-segment risk analysis of the remaining unmitigated overhead distribution lines in HFRA, with the results used to prioritize mitigation deployment across our HFRA.

SCE plans to install more than 2,850 additional circuit miles of covered conductor over this WMP period. By the end of 2025, we expect to have replaced more than 7,200 circuit miles, or approximately 75%, of distribution primary overhead conductors in HFRA with covered conductor. Covered conductor deployment is prioritized, not only by wildfire risk, but also by the probability of PSPS de-energizations for historically impacted circuits.

In Severe Risk Areas where covered conductor has not yet been deployed, SCE is undergrounding 100 miles of lines from 2023-2025 to address the high risk presented by limited egress, extreme potential consequences and other factors.

Furthermore, in this WMP period SCE will perform additional review and analysis of potential incremental mitigations to address remaining wildfire risk on the transmission system.

SCE will also be implementing, more widely, REFCL and EFD technologies, especially in locations where covered conductor has already been deployed to further reduce the risk of ignitions. REFCL helps detect and reduce energy release from a certain common class of faults while EFD facilitates locating abnormalities so that faults can be prevented proactively.

SCE also uses sensitive protection settings for over 900 circuits during elevated fire conditions for a quicker reduction in fault energy and thus lowering of ignition risk. We will upgrade relay hardware to expand the number of circuits with these protection settings. We will also continue refining our approach to balance the wildfire risk reduction benefits and potential customer outage impacts.

SCE will continue High Fire Risk Informed (HFRI) inspections and remediations in HFRA that go beyond minimum compliance requirements in scope, frequency and approach. Asset conditions and location-specific fire risks can often change between multiyear compliance intervals. Higher- frequency inspections are helping identify potential ignition risks every cycle, underscoring our program's efficacy. Detailed ground and aerial inspections are conducted to obtain 360-degree views of overhead structures and equipment. In 2023, SCE will inspect the portion of transmission and distribution structures that

comprise approximately 99% of risk. To further target risk reduction, we will also continue to perform additional inspections of assets in areas where observed risk factors associated with prevailing weather and fire conditions, such as dry fuel buildup and high winds, reach established criteria.

1.2.3 Vegetation Management and Inspections: An Improved Risk-Informed Vegetation Management Framework to Increase Efficiency and Enable Advanced Analytics

We continue to reduce the risks of vegetation contact with energized equipment by maintaining the required or recommended distance between trees and our lines, remediating trees that can fall into lines, removing dead or dying trees and clearing vegetation from around our poles. We are transitioning to an improved risk-informed inspection framework to better inform planning and prioritization of work for routine line clearing and hazard tree programs. This will allow resources to inspect vegetation grow-in risk and imminent fall-in risk at the same time to increase risk reduction and operational efficiencies. We have also implemented new software that will advance our operational and resource efficiency by streamlining scheduling and processing of the large volume of work and facilitating advanced analytics. Over this WMP period, we will also evaluate remote sensing technologies such as LiDAR and satellite imagery to assist with vegetation inspections.

1.2.4 Situational Awareness and Forecasting: Additional High-Definition Wildfire Cameras, Weather Stations, Satellite Imagery and Advanced Technology Will Boost Capabilities

SCE has made substantial progress in developing robust situational awareness and forecasting capabilities. In this WMP cycle, we will continue to advance our fire spread modeling, weather modeling and situational awareness capabilities to better predict fire weather and increase our ability to respond before and after fire and PSPS events. These advancements will allow us to more precisely target PSPS de-energization events, thereby minimizing the impact to customers while still addressing dangerous fire-threat conditions. We will deploy an additional 150 weather stations over the 2023-2025 period that will provide more granular weather data to inform our situational awareness and forecasting of potentially dangerous winds and elevated fire potential. We will also deploy additional high-definition wildfire cameras to monitor ignitions and fire progress in areas with limited coverage to expand visibility from approximately 90% today to expand coverage.

1.2.5 Emergency Preparedness: Trained Workforce Is Ready to Restore Power and Assist Customers; Aerial Suppression Resources Continue to Support Fire Agencies

SCE remains prepared to serve our customers and help them face emergencies that disrupt their electrical service. Our protocols and efforts include increased community engagement on how to prepare for such disruptions. In the event of a major emergency, we have a dedicated customer support team to assist impacted customers via customer communications before, during and after events and enhanced customer care programs. We also have a dedicated and trained Incident Management Team (IMT) to manage the emergency response. Our highly qualified workforce is trained on protocols to restore power safely and quickly after events. And after each event, we have a process in place to learn and improve on our response.

Finally, in 2023, we are expanding our partnership with fire agencies in our service area by maintaining a quick reaction force (QRF) of aerial firefighting resources year-round. These include helitankers, a reconnaissance aircraft and equipment to bolster firefighting capabilities to reduce a fire's consequence, provide service resilience to our customers and protect electrical infrastructure during fires. SCE will continue to reevaluate its funding agreement with Los Angeles, Orange and Ventura fire agencies annually.

1.2.6 Community Outreach and Engagement: Strong Partnerships Increase Outreach to Access and Functional Needs (AFN) Customer Groups

We are continuing to work closely with our customers, local and tribal government agencies, fire agencies, community-based organizations (CBOs) and other utilities for emergency planning, incident management and outreach. Over this WMP period, we will continue to focus much of our engagement efforts on vulnerable communities and communities heavily impacted by PSPS and will evaluate and refine our stakeholder coordination and customer outreach approaches based on feedback received from these stakeholders. We will also partner with telecommunications providers to help minimize the potential for service disruption to communities impacted by PSPS. In addition, we are actively collaborating with state, national and global utilities, industry groups and research organizations to benchmark and share best practices and information.

1.2.7 Public Safety Power Shutoff: SCE Continues Its Goal to Reduce PSPS Impacts with Urgency

PSPS is a necessary mitigation to protect public safety under extreme conditions. Though the frequency and scope of PSPS events are lessening as we execute our WMP activities, PSPS remains available as a tool of last resort when dry fuel levels and windspeeds pose significant threat of fire spread in case of any ignition. However, we recognize the impact that such events can have on our customers and communities. Keeping the lights on, and everything else electricity powers, is in our DNA, and we do not take lightly any decision to proactively de-energize portions of the grid. We have taken to heart the lessons from past PSPS events, and the feedback received from customers, cities, regulators, legislators and other partners, and we are working persistently to make several modifications to the process.

Our highly trained PSPS IMT plans and executes protocols designed to maximize a de-energization event's effectiveness while reducing the impact to customers by removing specific circuit-segments from scope through sectionalizing where possible and facilitating the swift and safe restoration of power.

Over 2023-2025, SCE will continue targeted grid hardening to reduce impacts to customers who have historically experienced PSPS and continue improvements to send timely external communication notifications. We are implementing end-to-end automation solutions to streamline PSPS event management and improve accuracy and speed of customer and public safety partner notifications.

We will also continue to make available temporary backup generators to select customers, not only during PSPS events, but also during maintenance outages required to implement our WMP. We will

expand on successful customer program offerings, with a special focus on AFN customers who rely on a medical device or assistive technology for independence, health or safety during a PSPS de-energization. We will continue to refine our grid protocols and customer-notifications processes to address specific concerns and feedback from county partners. We are also collaborating with heavily impacted communities for education, outreach and critical infrastructure planning support to help other entities providing critical services to be more resilient.

1.2.8 SCE Continues to Advance Its Wildfire Capability Maturity

As described above, SCE has and will continue to make progress in developing our wildfire mitigation capabilities. We continue to support the refinement and utilization of a wildfire mitigation capability maturity model to measure this progress. This will also help us identify and share best practices and continually improve to combat the risk of utility-caused wildfires. However, we note that this year's model survey is completely different from the previous three years, and thus the scores from this year cannot be compared to prior year scores. Further, due to this year's maturity model utilizing questions that are not always relevant to utility operations, some expectations that are operationally impractical, and a minimum scoring methodology, our scores do not accurately capture our actual and expected maturity levels, especially regarding our actual and expected progress in reducing wildfire risks. We have made significant advancements since 2018 in executing our wildfire mitigation plans and are observing the benefits as described above. The scope included in this WMP will further reduce the remaining risks that can potentially have significant consequences for our customers and communities.

1.2.9 Conclusion

SCE has implemented critical mitigations to protect our customers and communities from the threat of wildfires. At the same time, SCE is aware that there are still areas for improvement and more work that needs to be done. Our 2023-2025 WMP builds upon our significant progress made and lessons learned regarding wildfire mitigation since 2018. This plan demonstrates the significant increase in maturity of our wildfire mitigation program over the past four years and provides an integrated risk-informed approach to continue to reduce the remaining wildfire risk and PSPS impacts in our service area. Finally, our wildfire mitigation efforts will add resiliency to the electric system as we navigate a changing climate and a move toward increased electrification in the economy.

We appreciate the opportunity to provide our 2023-2025 WMP for Energy Safety's consideration and look forward to continuing our work with state and federal policymakers, local and tribal government officials, public safety partners, community-based organizations and other stakeholders to help build a safer and more resilient California.

2 RESPONSIBLE PERSONS

The electrical corporation must list those responsible for executing the WMP, including:

- *Executive-level owner with overall responsibility*
- *Program owners with responsibility for each of the main components of the plan*
- *As applicable, general ownership for questions related to or activities described in the WMP*

Titles, credentials, and components of responsible person(s) must be released publicly. Electrical corporations can reference the WMP Process and Evaluation Guidelines and California Code of Regulations Title 14 section 29200 for the submission process of any confidential information.

Jill Anderson, Executive Vice President of Operations at SCE, has overall responsibility for this Wildfire Mitigation Plan. The table below details the program owners with responsibility for each of the main components of the plan. Questions related to activities described in this plan can be submitted to SCE through the following email address: wildfires@sce.com.

Table SCE 2-01 – Responsible Persons

Section	Title	Program Owner
1	Executive Summary	Rajdeep Roy, Director, Wildfire Safety
2	Responsible Persons	Jill C. Anderson, Executive VP, Operations
3	Statutory Requirement Checklist	Gary Chen, Director, Safety & Infrastructure Policy
4	Overview of WMP	Rajdeep Roy, Director, Wildfire Safety
5	Overview of the Service Territory	Don Daigler, Managing Director, Business Resiliency (Weather and Climate components) Robert LeMoine, Director, Enterprise Risk Management & Public Safety (Risk-Related components)
6	Risk Methodology and Assessment	Robert LeMoine, Director, Enterprise Risk Management & Public Safety
7	Wildfire Mitigation Strategy Development	Rajdeep Roy, Director, Wildfire Safety
8	Wildfire Mitigations	Rajdeep Roy, Director, Wildfire Safety
8.1	Grid Design, Operations, and Maintenance	Ray Fugere, Principal Manager, Wildfire Mitigation Strategy
8.2	Vegetation Management and Inspection	Terry Ohanian, Director, Vegetation and Land Management

Section	Title	Program Owner
8.3	Situational Awareness and Forecasting	Don Daigler, Managing Director, Business Resiliency
8.4	Emergency Preparedness	Don Daigler, Managing Director, Business Resiliency
8.5	Community Outreach and Engagement	Larry Chung, Vice President, Local and Public Affairs (Local and Public Affairs components) Katie Sloan, Vice President, Customer Programs & Services (All other components)
9	Public Safety Power Shutoff	Don Daigler, Managing Director, Business Resiliency
10	Lessons Learned	Rajdeep Roy, Director, Wildfire Safety
11	Corrective Action Program	Ray Fugere, Principal Manager, Wildfire Mitigation Strategy
12	Notices of Violation and Defect	Denise Harris, Principal Manager, Regulatory Affairs and Compliance
Appendix B: Supporting Documentation for Risk Methodology and Assessment	Risk Model Supporting Documentation	Robert LeMoine, Director, Enterprise Risk Management & Public Safety
Appendix C: Additional Maps	Additional Maps	Robert LeMoine, Director, Enterprise Risk Management & Public Safety (Risk-Related components) Don Daigler, Managing Director, Business Resiliency (Weather and Climate components)
Appendix D: Areas for Continued Improvement	Areas for Continued Improvement	Rajdeep Roy, Director, Wildfire Safety
Appendix E: Referenced Regulations, Codes, and Standards	Referenced Regulations, Codes, Standards	Gary Chen, Director, Safety & Infrastructure Policy

Section	Title	Program Owner
Appendix F: Supplemental Information	Supplemental Information	Rajdeep Roy, Director, Wildfire Safety

3 STATUTORY REQUIREMENTS CHECKLIST

This section provides a checklist of the statutory requirements for a WMP as detailed in Public Utilities Code section 8386(c). By completing the checklist, the electrical corporation affirms that its WMP addresses each requirement.

For each statutory requirement, the checklist must include a reference and hyperlink to the relevant section and page number in the WMP. Where multiple WMP sections provide the information for a specific requirement, the electrical corporation must provide references and hyperlinks to all relevant sections. Unique references must be separated by semicolons, and each must include a brief summary of the contents of the referenced section (e.g., Section 5, pp. 30–32 [workforce]; Section 7, p. 43 [mutual assistance]).

SCE provides a checklist of the statutory requirements for its WMP in Table 3-1 below.

Table 3-1 - Statutory Requirements Checklist

PUC Section 8386	Description	WMP Section/ Page
(c)(1)	An accounting of the responsibilities of persons responsible for executing the plan	Section 2 (Responsible Persons), pp. 10-12
(c)(2)	The objectives of the WMP	Section 1 (Executive Summary), pp. 4 Section 4 (Overview of WMP), pp. 20-21 Section 7 (Wildfire Mitigation Strategy Development), Table 7-3, pp. 219-220
(c)(3)	A description of the preventive strategies and programs to be adopted by the electrical corporation to minimize the risk of its electrical lines and equipment causing catastrophic wildfires, including consideration of dynamic climate change risks	Section 5.3.4.2 Climate Change Phenomena and Trends (5.3.4.2 Climate Change Phenomena and Trends), pp. 56-66; Section 6.2.1 (Risk and Risk Component Identification), pp. 95-122; Section 6.3.2 (Extreme-Event/High Uncertainty Scenarios), pp. 154-157; Section 7.2.1, pp. 215-220 (Overview of Mitigation Initiatives and Activities); Section 8.1.2 (Grid Design and System Hardening), pp. 250-342; Section 8.2 (Vegetation Management and Inspections), pp. 374-438; Section 8.3 (Situational Awareness and Forecasting), pp. 445-520; Section 9 (Public Safety Power Shutoff (PSPS)), pp. 610-636

PUC Section 8386	Description	WMP Section/ Page
(c)(4)	A description of the metrics the electrical corporation plans to use to evaluate the plan's performance and the assumptions that underlie the use of those metrics	Targets: Section 8.1 (Grid Design, Operations, and Maintenance), pp.237-244; Section 8.2 (Vegetation Management and Inspections), pp. 377-383; Section 8.3 (Situational Awareness and Forecasting), pp. 448-452; Section 8.4 (Emergency Preparedness), pp. 522-528; Section 8.5 (Community Outreach and Engagement), pp. 578-582; Section 9 (Public Safety Power Shutoff (PSPS), pp. 617 -621 Performance Metrics: Section 8.1 (Grid Design, Operations, and Maintenance), pp. 246-248; Section 8.2 (Vegetation Management and Inspections), pp. 382-386; Section 8.3 (Situational Awareness and Forecasting), pp. 451-454; Section 8.4 (Emergency Preparedness), pp. 527-531; Section 8.5 (Community Outreach and Engagement), pp. 581-584; Section 9 (Public Safety Power Shutoff (PSPS), pp. 620-624
(c)(5)	A discussion of how the application of previously identified metrics to previous plan performances has informed the plan	Section 1 (Executive Summary), pp. 1-4; Section 4 (Overview of WMP), pp. 23-29; Section 10 (Lessons Learned), pp. 635-640 Section 11 (Corrective Action Plan), pp. 650-659
(c)(6)	A description of the electric corporation's protocols] for disabling reclosers and deenergizing portions of the electrical distribution system that consider the associated impacts on public safety. As part of these protocols, each electrical corporation shall include protocols related to mitigating the public safety impacts of disabling reclosers and deenergizing portions of the electrical distribution system that consider the impacts on all of the aspects listed in PU Code 8386[(c)(6)(A)-(D)].	Section 8.3.3 (Grid Monitoring Systems– Existing Systems, Technologies, and Procedures), pp. 467-480; Section 9.2 (Protocols on PSPS), pp. 623-635

PUC Section 8386	Description	WMP Section/ Page
(c)(7)	A description of the appropriate and feasible procedures for notifying a customer who may be impacted by the deenergizing of electrical lines, including procedures for those customers receiving a medical baseline allowance as described in paragraph (6). The procedures shall direct notification to all public safety offices, critical first responders, health care facilities, and operators of telecommunications infrastructure with premises within the footprint of potential de-energization for a given event. [The procedures shall comply with any orders of the commission regarding notifications of deenergization events.]	Section 8.5.2 (Public Outreach and Education Awareness Program), pp 583-602; Section 8.5.3 (Engagement with Access and Functional Needs Populations), pp. 601-606; Section 9.2 (Protocols on PSPS), pp. 613-624
(c)(8)	Identification of circuits that have frequently been deenergized pursuant to a deenergization event to mitigate the risk of wildfire and the measures taken, or planned to be taken, by the electrical corporation to reduce the need for, and impact of, future deenergization of those circuits, including, but not limited to, the estimated annual decline in circuit deenergization and deenergization impact on customers, and replacing, hardening, or undergrounding any portion of the circuit or of upstream transmission or distribution lines	Section 9.1.2 (PSPS - Identification of Frequently De-energized Circuits), pp. 611-616; Appendix F: Supplemental Information (F5: Continuation of Section 9 - PSPS) pp. 859-871
(c)(9)	Plans for vegetation management	Section 8.2 (Vegetation Management and Inspections), pp. 374-446
(c)(10)	Protocols for the PSPS of the electrical corporation's transmission infrastructure, etc.	Section 8.4 (Emergency Preparedness), pp. 518-576; Section 9 (Public Safety Power Shutoff), pp. 623-635
(c)(11)	A description of the electrical corporation's protocols for the deenergization of the electrical	Section 8.4 (Emergency Preparedness), pp. 518-576; Section 9 (Public Safety Power Shutoff), pp. 623-635

PUC Section 8386	Description	WMP Section/ Page
	corporation's transmission infrastructure, for instances when the deenergization may impact customers who, or entities that, are dependent upon the infrastructure. The protocols shall comply with any order of the commission regarding deenergization events.	
(c)(12)	A list that identifies, describes, and prioritizes all wildfire risks, and drivers for those risks, throughout the electrical corporation's service territory, including all relevant wildfire risk and risk mitigation information that is part of the Safety Model Assessment Proceeding [(A.15-05-002, et al.)] and the Risk Assessment Mitigation Phase filings. [The list shall include, but not be limited to, both of the following: (A) Risk and risk drivers associated with design, construction, operations, and maintenance of the electrical corporation's equipment and facilities and (B) Particular risks and risk drivers associated with topographic and climatological risk factors throughout the different parts of the electrical corporation's service territory.	Section 6 (Risk Methodology and Assessment), pp. 89-180; Section 7 (Wildfire Mitigation Strategy Development), pp. 181-229; Appendix F: Supplemental Information (F2: Continuation of Section 7 Wildfire Mitigation Strategy Development) pp. 824-850
(c)(13)	A description of how the plan accounts for the wildfire risk identified in the electrical corporation's Risk Assessment Mitigation Phase filing	Section 6 (Risk Methodology and Assessment), pp. 89-180; Section 7 (Wildfire Mitigation Strategy Development), pp. 181-229
(c)(14)	A description of the actions the electrical corporation will take to ensure its system will achieve the highest level of safety, reliability, and resiliency, and to ensure that its system is prepared for a major event, including hardening and modernizing its infrastructure with improved engineering, system design, standards,	Section 7 (Wildfire Mitigation Strategy Development), pp. 181-229; Section 8.1.2 (Grid Design, Operations, and Maintenance), pp. 250-277; Section 8.1.3 (Asset Inspections), pp. 279-313; Section 8.1.4 (Equipment, Maintenance and Repair), pp. 313-319; Section 8.4 (Emergency Preparedness), pp. 518-576

PUC Section 8386	Description	WMP Section/ Page
	equipment, and facilities, such as undergrounding, insulation of distribution wires, and pole replacement	
(c)(15)	A description of where and how the electrical corporation considered undergrounding electrical distribution lines within those areas of its service territory identified to have the highest wildfire risk in a commission fire threat map	Section 8.1.2.2 (Undergrounding of Electric Lines and/or Equipment), pp. 256-257
(c)(16)	A showing that the electrical corporation has an adequately sized and trained workforce to promptly restore service after a major event, taking into account employees of other utilities pursuant to mutual aid agreements and employees of entities that have entered into contracts with the electrical corporation	Section 8.4 (Emergency Preparedness), pp. 539-548, 552-557, 558-560; Section 8.1.9 (Workforce Planning), pp. 341-374
(c)(17)	An identification of any geographic area in the electrical corporation's service territory that is a higher wildfire threat than is currently identified in a commission fire threat map, and where the commission must consider expanding the high fire threat district based on new information or changes in the environment	Section 5.3.3 High Fire Threat Districts, pp. 51-53; Section 6.4.1.2 (Proposed Updates to the HFTD), pp. 159-162.
(c)(18)	A methodology for identifying and presenting enterprise-wide safety risk and wildfire-related risk that is consistent with the methodology used by other electrical corporations unless the commission determines otherwise	Section 4.4.1 (SCE's Risk-Informed Framework), pp. 23-29; Section 6 (Risk Methodology and Assessment), pp. 89-180 Section 7 (Wildfire Mitigation Strategy Development), pp. 181-229
(c)(19)	A description of how the plan is consistent with the electrical corporation's disaster and emergency preparedness plan prepared pursuant	Section 8.4 (Emergency Preparedness), pp 518-576; Section 8.4.3 (External Collaboration and Coordination), pp. 550-559; Section 8.4.5 (Preparedness and

PUC Section 8386	Description	WMP Section/ Page
	to Section 768.6, including [both of the following: (A) Plans to prepare for, and to restore service after, a wildfire, including workforce mobilization and prepositioning equipment and employees and (B) Plans for community outreach and public awareness before, during, and after a wildfire, including language notification in English, Spanish, and the top three primary languages used in the state other than English or Spanish, as determined by the commission based on the United States Census data.]	Planning for Service Restoration), pp. 564-571; Section 8.5.2 (Public Outreach and Education Awareness Program), pp. 583-602
(c)(20)	A statement of how the electrical corporation will restore service after a wildfire	Section 8.4.5.1 (Overview of Service Restoration Plan), pp. 564-568
(c)(21)	Protocols for compliance with requirements adopted by the commission regarding activities to support customers during and after a wildfire, outage reporting, support for low-income customers, billing adjustments, deposit waivers, extended payment plans, suspension of disconnection and nonpayment fees, repair processing and timing, access to electrical corporation representatives, and emergency communications	Section 8.4.6 (Customer Support in Wildfire and PSPS Emergencies), pp. 570-576
(c)(22)	A description of the processes and procedures the electrical corporation will use to do the following: (A) Monitor and audit the implementation of the plan. (B) Identify any deficiencies in the plan or the plan's implementation and correct those deficiencies. (C) Monitor and audit the effectiveness of electrical line and equipment inspections, including inspections performed by contractors,	Section 8.1.6 (Quality Assurance and Quality Control) pp. 325-327; Section 8.2.5 (Vegetation Management) pp. 428-434 ; Section 11 (Corrective Action Program) pp. 650-659

PUC Section 8386	Description	WMP Section/ Page
	carried out under the plan and other applicable statutes and commission rules.	

4 Overview of WMP

4.1 Primary Goal

Each electrical corporation must state the primary goal of its WMP. At a minimum, the electrical corporation must affirm its compliance with California Public Utilities Code section 8386(a):

> *Each electrical corporation shall construct, maintain, and operate its electrical lines and equipment in a manner that will minimize the risk of catastrophic wildfire posed by those electrical lines and equipment.*

In accordance with Section 8386(a) of the California Public Utilities Code, SCE constructs, maintains, and operates its electrical lines and equipment in a manner that will minimize the risk of catastrophic wildfire posed by those electrical lines and equipment. SCE's WMP represents a holistic approach to continue to maintain this compliance, while also balancing customer affordability, reliability, and the impacts to customers from the deployment of wildfire risk mitigation activities, including PSPS. Further, SCE's wildfire mitigation portfolio also considers the impacts associated with fires that may not be categorized as catastrophic but still can present serious impacts to our customers and communities.

4.2 Plan Objectives

In this section, the electrical corporation must summarize its plan objectives over the 2023- 2025 WMP cycle. Plan objectives are determined by the portfolio of mitigation initiatives proposed in the WMP.

The primary objective of our 2023-2025 WMP is to reduce the risk of wildfires associated with utility equipment and to reduce the scope, scale, frequency, and impacts of PSPS events. Our 2023-2025 WMP includes 40 mitigation initiatives designed to help achieve this objective. SCE will strive to meet or exceed our projected targets for these initiatives over this three-year period.[10]

SCE has established 3- and 10-year objectives for each WMP initiative category. Table SCE 7-03 provides an aggregated list of these objectives grouped by each WMP initiative category. Further detail on each objective is provided within Sections 8 and 9 for each respective WMP category.[11] In Section 1, SCE summarized these plan objectives as follows:

- Reduce the likelihood that objects will contact power lines and lead to an ignition by hardening most of the overhead distribution system in our high fire risk area with either covered conductor or targeted undergrounding, developing an expanded transmission grid hardening strategy, and continuing to maintain vegetation clearance distances for trees and vegetation that could potentially contact power lines.
- Reduce the likelihood that equipment will fail and lead to an ignition, by continuing to perform asset inspection initiatives that inspect over 99% of wildfire risk in our HFRA each year and by deploying new technologies that can detect when issues on the system may arise.

[10] Annual targets for these initiatives can be found in the respective Targets tables contained in Sections 8 and 9, and within Table 1 of SCE's Quarterly Data Report – Wildfire Mitigation Data Tables.

[11] See Table 8-1 and Table 8-02(Grid Design, Operations, and Maintenance objectives), Table 8-12 and Table 8-13 (Vegetation Management and Inspections objectives), Table 8-21and Table 8-22 (Situational Awareness and Forecasting objectives), Table 8-33 and Table 8-34 (Emergency Preparedness objectives), Table 8-53 and Table 8-54 (Community Outreach and Engagement objectives), and Table 9-3 and Table 9-4 (PSPS objectives).

- Prioritize the deployment of our mitigation initiatives to the areas that have the greatest potential to lead to the most consequential wildfire and PSPS impacts.
- Improve the efficiency and effectiveness of our vegetation management activities to reduce the risk of vegetation-caused ignitions.
- Improve the operational efficiency and effectiveness of our wildfire mitigation initiatives by enhancing program deployment strategies, leveraging information technology solutions, and incorporating new technologies where possible.
- Continue to improve our situational awareness capabilities by enhancing weather and fire potential modeling and forecasting, which will aid PSPS decisions and wildfire mitigation deployment.
- Reduce the impacts of PSPS to customers, particularly those with Access and Functional Needs, through expanded customer offerings, communications, and circuit-specific strategies to minimize the need for PSPS altogether.
- Maintain a comprehensive, all-hazards planning and preparedness program to: provide effective emergency response; safely and expeditiously restore service during and after a major event; and communicate effectively with customers, stakeholders, and agency partners.
- Deploy new technologies and updated protection device settings to improve wildfire mitigation effectiveness while balancing reliability impacts to customers.

4.3 Proposed Expenditures

Each electrical corporation must summarize its projected expenditures in thousands of U.S. dollars per year for the next three-year WMP cycle, as well as the planned and actual expenditures from the previous three-year WMP cycle (e.g., 2020–2022), in both tabular and graph form.

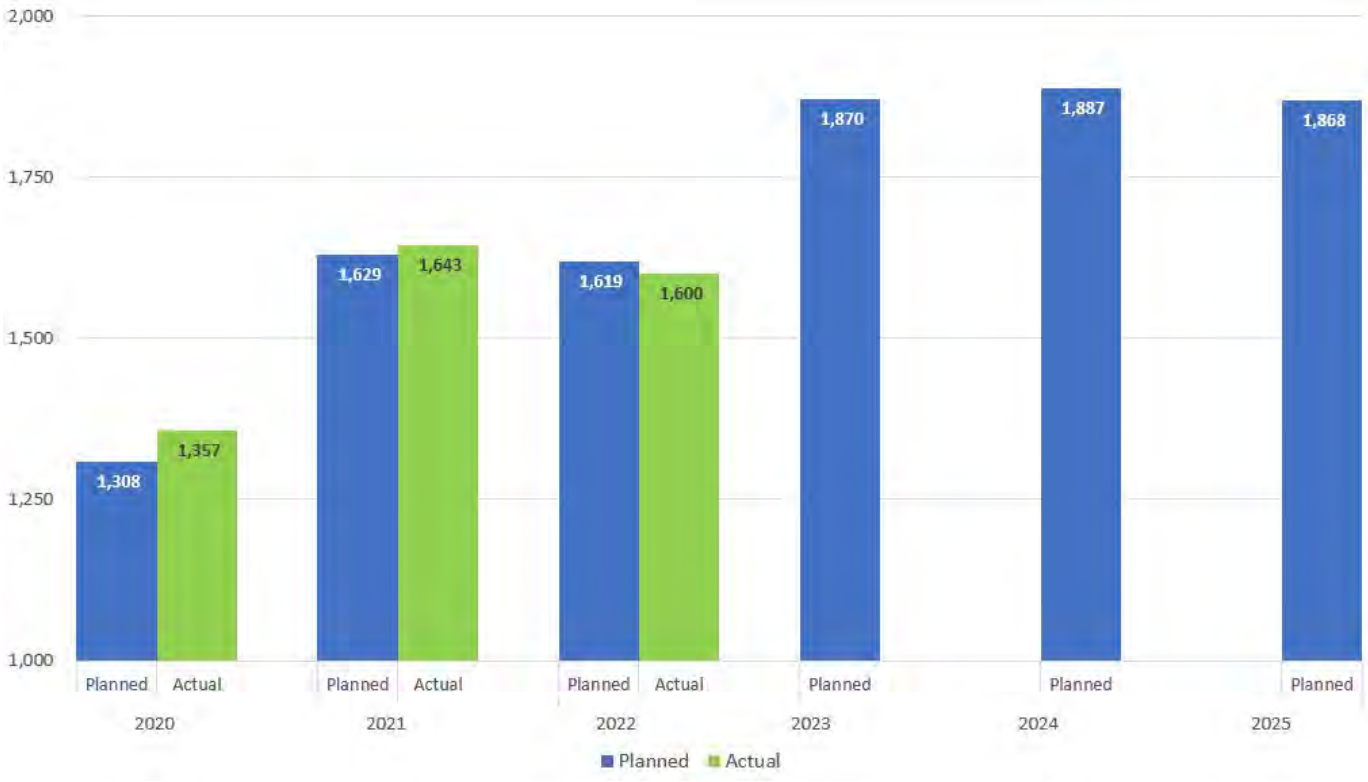
Table 4-1 provides an example of the minimum acceptable level of information summarizing an electrical corporation's WMP expenditures. The financials represented in the summary table equal the aggregate spending listed in the financial tables of the QDR (see the Energy Safety Data Guidelines). Energy Safety's WMP evaluation, including approval or denial, must not be construed as approval of, or agreement with, costs listed in the WMP.

Table 4-1 and Figure SCE 4-01 provide a summary of expenditures for SCE's 2020-2022 and 2023-2025 WMP cycles.

Table 4-1 - Summary of WMP Expenditures[12]

Year	Spend (thousands $USD)
2020	Planned (as reported in 2020 WMP update) = $1,308,269 Actual = $1,356,923 ±△ = $48,654
2021	Planned (as reported in 2021 WMP Update) = $1,629,377 Actual = $1,642,980 ±△ = $13,603
2022	Planned (as reported in 2022 WMP Update) = $1,619,252 Actual = $1,599,912 ±△ = $19,340
2023	Planned = $1,869,997
2024	Planned = $1,887,446
2025	Planned = $1,867,889

Figure SCE 4-01 - Graph of WMP Expenditures



[12] The summary of WMP Expenditures reflects direct capital and O&M costs for wildfire activities which correspond to the HFTD spend as shown in Table 11 of the QDR. The dollars are nominal.

4.4 Risk-Informed Framework

The electrical corporation must adopt a risk-informed approach to developing its WMP. The purposes of adopting this approach are as follows:

- *To develop a WMP that achieves an optimal level of life safety, property protection, and environmental protection, while also being in balance with other performance objectives (e.g., reliability and affordability)*
- *To integrate risk modeling outcomes with a range of other performance objectives, methods, and subject matter expertise to inform decision-making processes and the spatiotemporal prioritization of mitigations*
- *To target mitigation efforts that prioritize the highest-risk equipment, wildfire environmental settings, and assets-at-risk (e.g., people, communities, critical infrastructure), while still satisfying other performance objectives defined by the California Public Utilities Commission (CPUC) (e.g., reliability and affordability)*
- *To provide a decision-making process that is clear and transparent to internal and external stakeholders, including clear evaluation criteria and visual aids (such as flow charts or decision trees)*

The risk-informed approach adopted by the electrical corporation must, at a minimum, incorporate several key components, described below. In addition, the evaluation and management of risk must include consideration of a broad range of performance objectives (e.g., life safety, property protection, reduction of social vulnerability, reliability, resiliency, affordability, health, environmental protection, public perception, etc.), integrate cross- disciplinary expertise, and engage various stakeholder groups as part of the decision-making process.

The risk-informed approach must have seven minimum components, as described in Table 4-2.

Table 4-2 - Risk-Informed Approach Components

Risk-Informed Approach Component	***Brief Description***
1. Goals and plan objectives	*The first step in the risk-informed approach is to identify the primary goal(s) and plan objectives of the electrical corporation's WMP. These goals and objectives are electrical corporation-specific and must be defined and described in Sections 4.1 and 4.2.*
2. Scope of application (i.e., electrical corporation service territory)	*The second step is to define the physical characteristics of the system in terms of its major elements: electrical corporation service territory characteristics, electrical infrastructure, wildfire environmental settings, and various assets-at-risk (e.g., communities and people, property, critical infrastructure, cultural/historical resources, environmental services). Knowledge and understanding of how individual system elements interface are essential to this step. Sections 5–5.4 provide instructions on what electrical corporations must present regarding physical traits, environmental characteristics, and potential assets at risk in their service territory.*

Risk-Informed Approach Component	***Brief Description***
3. Hazard identification	*The third step is to identify hazards and determine their likelihoods. Section 6.2.1 provides instructions on hazard identification.*
4. Risk scenario identification	*The fourth step, based on the context and desired values, is to develop risk scenarios that could lead to an undesirable event. Risk scenario techniques that may be employed include event tree analysis, fault tree analysis, preliminary hazard analysis, and failure modes and effects analysis. Section 6.3 provides instructions on risk scenario identification.*
5. Risk analysis (i.e., likelihood and consequences)	*The fifth step is to evaluate the likelihood and consequences of the identified risk scenarios to understand the potential impact on the desired goal(s) and plan objectives. The consequences are based on an array of risk components that are fundamental to overall utility risk, wildfire risk, and PSPS risk given the electrical corporation's scope of application and portfolio of wildfire mitigation initiatives. Section 6.2.2 provides instructions on risk analysis.*
6. Risk presentation	*The sixth step is to consider how the risk analysis is presented to the various stakeholders involved. Section 6.4 provides instructions on risk presentation.*
7. Risk evaluation	*After the risk analysis is complete, hazards can be resolved by either assuming the risk associated with the hazards or eliminating or controlling the hazards.* *Risk evaluation includes identification of criteria and procedures for identifying critical risk both spatially and temporally. Risk evaluation must also include, as a minimum, evaluating the seriousness, manageability, urgency, and growth potential of the wildfire hazard/risk. Risk evaluation should be used to determine whether the individual hazard/risk should be mitigated. Risk evaluation and risk-informed decision making should be done using a consensus approach involving a range of key stakeholder groups. Section 7 provides instructions for risk evaluation or risk-informed decision making.*
8. Risk mitigation and management	*In the final step, the electrical corporation must identify which risk management strategies are appropriate given practical constraints such as limited resources, costs, and time. The electrical corporation must indicate the high-level risk management approach, as determined in Step 7. The electrical corporation must identify risk mitigation initiatives (or a portfolio of initiatives) and prioritize their spatial and temporal implementation. This step includes consideration of what risk mitigation strategies are appropriate and most effectively meet the intent of the WMP goal(s) and plan objectives, while still in balance with other performance objectives. It also includes the procedures and strategies to develop, review, and execute schedules for implementation of mitigation initiatives and activities (as well as interim mitigation initiatives). Section 8*

Risk-Informed Approach Component	*Brief Description*
	provides instructions for reporting on initiatives to mitigate identified risks.

4.4.1 SCE's Risk-Informed Framework

SCE's risk-informed planning framework is anchored in SCE's Enterprise Risk Management (ERM) process. ERM annually identifies and evaluates the key risks that SCE and its customers face, with a focus on safety, such as wildfire risk. SCE uses a multi-step process that includes both a top-down and bottoms-up approach, as described below.

- Top-down review of enterprise-level risks: This effort assesses the breadth of activities ongoing at SCE, in California, and in the utility industry to identify key risks. It includes a review of utility benchmarking, industry trends and research, public policy efforts, legislative activities, CPUC, Energy Safety and other regulatory proceedings, major SCE initiatives, and critical business functions. The team also compiles and assesses feedback on current and emerging enterprise-level risks through company-wide surveys and direct discussions with SCE leadership.
- Bottom-up review of SCE's Enterprise Risk Register: SCE's ERM function maintains an enterprise risk register that captures and assesses risks from across the enterprise, based on interviews and feedback from working groups throughout the organization, including from engineering analyses and field observations.[13] New risks are also identified based on benchmarking and emerging trends in the industry.
- Consolidation and aggregation: SCE aggregates the risks identified through the above processes to evaluate which risks have potential major safety consequences, includingconsolidation of duplicate and similar risks.
- Review and refinement with senior leadership: Through leadership review and assessment, further refinements are made as appropriate.

SCE's risk-informed approach builds upon past practices, lessons learned, and stakeholder input. In our 2021[14] and 2022 WMP Updates,[15] SCE detailed our risk-informed decision-making process to select and deploy SCE initiatives that mitigate wildfire and PSPS risks. We included a diagram that illustrates SCE's approach to risk-informed decision-making when assessing and selecting wildfire and PSPS mitigations

[13] For example, SCE's Fire Investigation Preliminary Analysis (FIPA) and Repair Order Review processes provide cause analysis and engineering reviews of risk events on the system. These are detailed in SCE's Corrective Action Program in Section 11.

[14] This was initially provided as part of response with regard to Critical Issue SCE-02 in SCE's Revised 2021 WMP Update, which can be retrieved from SCE's WMP webpage (https://www.sce.com/safety/wild-fire-mitigation). Within the document, please refer to SCE's response to Critical Issue SCE-02. In its Final Action Statement, OEIS found that SCE's response for Critical Issue SCE-02 "adequately addressed all parts of this critical issue" and that SCE's work product "brings clarity to the decision-making process by illustrating factors such as 'risk reduced' and 'RSE' are weighted more heavily than 'operational feasibility' and 'compliance requirement.'" (See OEIS Final Action Statement, pp. 87, 89).

[15] See Section 7.1.2 of SCE's 2022 WMP Update.

and prioritizing deployment for selected activities.

Broadly speaking, the process includes four major stages: First, we evaluate or reassess, and then prioritize, wildfire and PSPS risks. Second, we identify the various mitigation alternatives for mitigating the risk. Third, we evaluate the mitigations and then select the appropriate mitigation(s) from the alternatives using decision-making factors. Fourth, we prioritize, scope and deploy the chosen mitigation(s). We then continue to monitor deployments in light of relevant conditions or circumstances, and we strive to improve through lessons learned, data analysis, performance reviews, and feedback from our customers, regulators, and other stakeholders. SCE provides further detail on this process in Section 7.

Application of this process for each wildfire mitigation activity may vary depending on the unique characteristics of the mitigation activities. While specific processes and steps continue to evolve as we build out our asset management capabilities, the planning framework generally captures the key elements of the process. With each WMP cycle, SCE's overall risk-informed decision-making process is maturing in the level of quantitative analysis performed, granularity of analysis, and consistent application across the enterprise.

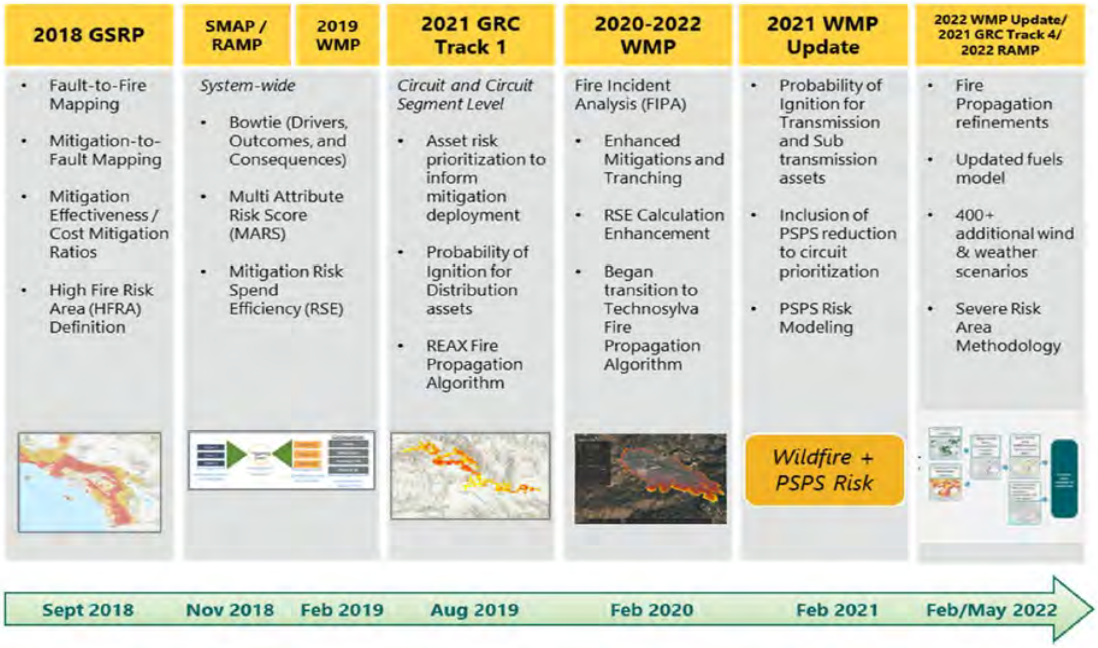
In this WMP, SCE details its Integrated Wildfire Mitigation Strategy Risk Framework (IWMS Risk Framework or IWMS), which further aligns our wildfire mitigation activities in a risk-informed framework. IWMS reduces the risk of catastrophic wildfire by targeting locations that have historically experienced a high frequency of fires and have limited road availability for quick evacuation, are expected to experience wind and fuel conditions that exceed PSPS thresholds even after covered conductor deployment, and where fire spread can be rapid and large. Section 6 and Section 7 detail how SCE has built upon the foundational risk modeling advancements made in the past five years, to include these new risk factors and to prioritize mitigations to those areas that present the most consequential risk.

SCE's IWMS Risk Framework is granular, data-driven, and uses a multi-factor risk assessment approach that combines quantitative risk analysis with expert human judgment to inform how mitigations are identified, evaluated, prioritized, and implemented. This level of targeted risk analysis and mitigation selection helps drive efficient allocation of resources to mitigate risk in an effective manner. As part of this framework, we evaluate operational considerations such as planning, permitting and execution lead times, resource constraints, work management efficiencies, risk-reduction potential of mitigations on targeted risk drivers, and regulatory compliance requirements to determine the type and volume of work to undertake.

4.4.2 Evolution of SCE's Wildfire and PSPS Risk Modeling

A risk-informed framework has been a cornerstone in the development and execution of our WMPs and has matured over time. This framework is rooted in an evolving set of risk modeling capabilities which inform our evaluation of risk and selection of mitigations. Figure SCE 4-02 traces the key advancements in our wildfire and PSPS risk modeling over the past few years.

Figure SCE 4-02 - Evolution of SCE's Wildfire (and PSPS) Risk Modeling[16]



In 2018, we used a multi-step process to develop our Risk Assessment Mitigation Phase (RAMP) report, which contained nine top safety risks, including wildfire. SCE developed a Multi-Attribute Risk Score (MARS) framework (SCE's version of a Multi Attribute Value Function (MAVF)) to quantify our enterprise-level risks and evaluate mitigation options).

SCE's MARS framework aligns with the methodology approved in the California Public Utilities Commission's (CPUC) Safety Model and Assessment Proceeding (S-MAP). This analysis informed SCE's 2018 Grid Safety and Resiliency Plan (GSRP), which presented an initial set of wildfire mitigations to address the growing threat of wildfires, and 2019 WMP. In parallel, we developed the Wildfire Risk Model (WRM) which was used to determine probability and consequence of ignitions at the asset level. SCE used this granular risk analysis to risk rank circuit segments and prioritize mitigation installations, in conjunction with other operational considerations (e.g., permitting and resource constraints). The results of these analyses were included in SCE's Test Year 2021 GRC and 2020 WMP.

In 2020, SCE achieved several key milestones in enhancing our wildfire risk analytics. We developed asset-specific POI models for transmission and sub-transmission assets to add to our previously built distribution asset models. SCE also transitioned to a new fire consequence modeling tool developed by Technosylva. We developed a method to translate the risk scores produced by our Probability of Ignition (POI) and consequence models into unitless risk scores using the MARS framework at the structure (pole or tower) level. SCE also developed a PSPS risk calculation to more comprehensively account for PSPS risk reduction benefits, as well as risks associated with use of PSPS for individual circuit segments.

In 2021, SCE updated its asset-specific POI model by using the latest asset and weather data and algorithms. At the same time, SCE updated the Technosylva fire consequence model by including

[16] GSRP: Grid Safety and Resiliency Plan; SMAP: Safety Model and Assessment Proceeding; RAMP: Risk Assessment Mitigation Phase .

additional historical weather scenarios and most up-to-date fuel conditions including recent burn scars to better capture the potential fire consequences. In 2021 and through 2022, SCE also participated in several Energy Safety-led joint utility workshops to further inform how individual utilities perform risk modeling. SCE details its risk modeling capabilities and further advancements made in Section 6.

4.4.3 Adherence to Risk-Informed Framework

SCE's risk-informed planning framework is aligned with the eight-step risk-informed framework defined in the guidelines. SCE addresses each component of that framework and describes our approach for each in this WMP. Table SCE 4-01 summarizes where further detail on each component can be found in this WMP.

Table SCE 4-01 - Risk-Informed Framework

Risk-Informed Approach Component	Pertinent Section(s) of SCE's 2023-2025 WMP
1. Goals and plan objectives	Sections 4.1 and 4.2, where SCE identifies primary goal(s) and plan objectives of its WMP.
2. Scope of application	Sections 5– 5.4, where SCE defines the physical characteristics of its system in terms of its major elements: service territory characteristics, electrical infrastructure, wildfire environmental settings, and various assets at risk (e.g., communities and people, property, critical infrastructure, cultural/historical resources, environmental services).
3. Hazard identification	Section 6.2, where SCE identifies hazards and determines their likelihoods.
4. Risk scenario identification	Section 6.3, where SCE describes the risk scenarios used in its analysis.
5. Risk analysis	Section 6.2 and 6.3, where SCE calculates the likelihood and consequences under the identified risk scenarios to develop a risk-informed basis for its approach to the WMP goal and objectives.
6. Risk presentation	Section 6.4, where SCE presents the results of the risk analysis.
7. Risk evaluation	Section 7, where SCE evaluates the identified risk and details its risk-informed decision-making framework.

Risk-Informed Approach Component	Pertinent Section(s) of SCE's 2023-2025 WMP
8. Risk mitigation and management	Sections 7, 8, 9, where SCE identifies which risk management strategies are appropriate given practical constraints such as limited resources, costs, and time. SCE also identifies risk mitigation initiatives (and a portfolio of initiatives) and prioritizes their spatial and temporal implementation. This includes consideration of which risk mitigation strategies are appropriate and most effectively meet the intent of the WMP goal and plan objectives, while still balancing other performance objectives.

5 Overview of the Service Territory

In this section of the WMP, the electrical corporation must provide a high-level overview of its service territory and key characteristics of its electrical infrastructure. This information is intended to provide the reader with an understanding of the physical and technical scope of the electrical corporation's WMP. Sections 5.1 - 5.4 below provide detailed instructions.

5.1 Service Territory

The electrical corporation must provide a high-level description of its service territory, addressing the following components:[17]

- *Area served (in square miles)*
- *Number of customers served*

The electrical corporation must provide a geospatial map that shows its service territory (polygons) and distribution of customers served (raster or polygons). This map should appear in the main body of the report.

Table 5-1 provides a template for presenting the required high-level service territory statistics.

Southern California Edison (SCE) is one of the nation's largest electric utilities. It serves approximately 15.6[18] million people (5.2 million customer accounts) across 193 cities[19] and 16 counties.[19] SCE's service area spans approximately 52,000 square miles of central, coastal, and Southern California.

SCE provides high level statistics for its service area in Table 5-1 below.

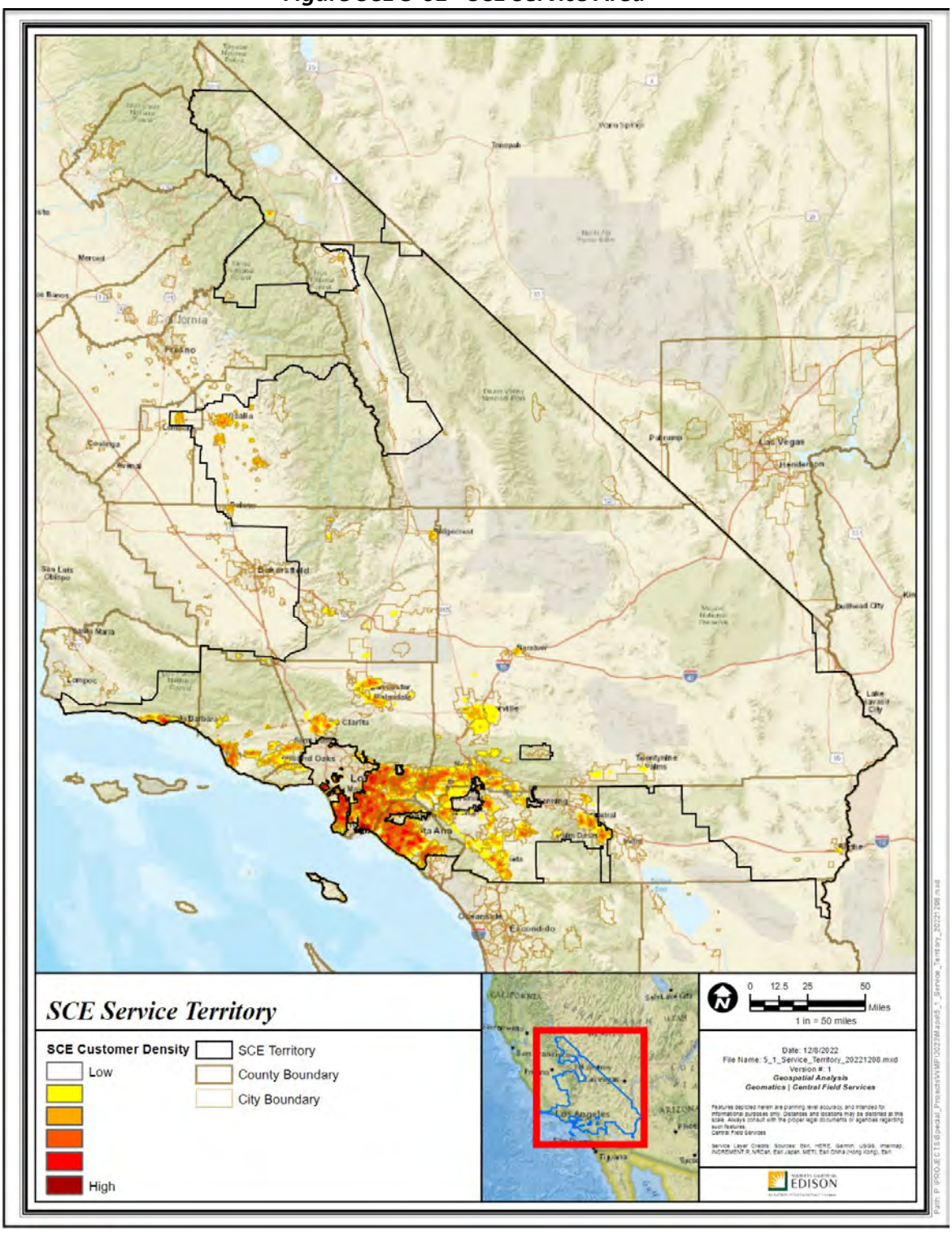
Table 5-1 - Service Territory High-Level Statistics

Characteristic	Value
Area served (sq. mi.)[20]	52,256 Square Miles
Number of customers served[19]	5.2 Million Customer Accounts

Further, Figure SCE 5-01 shows SCE's service area (polygons), distribution of customers served (raster or polygons), and county and city administrative boundaries (polygons or polylines).

[17] Annual information included in this section must align with Table 7 of the QDR.
[18] Data as of 12/13/22 and assuming 3 per household and 5.2 million customer account (household), therefore, 5.2 million customer * 3 per household = 15.6 million customers served.
[19] Data as of 12/13/22.
[20] Data as of 12/16/22.

Figure SCE 5-01 - SCE Service Area [21]



[21] Map as of 12/8/22. SCE has provided a spatial data for SCE service territory. Please see https://www.sce.com/safety/wild-fire-mitigation.

5.2 Electrical Infrastructure

The electrical corporation must provide a high-level description of its infrastructure, including all power generation facilities, transmission lines and associated equipment, distribution lines and associated equipment, substations, and any other major equipment.[22]

Table 5-2 provides a template for presenting the required information.

SCE transmits and distributes electricity across 186 transmission and 634 distribution substations. SCE maintains more than 82,000 circuit miles of overhead and underground for distribution and transmission lines. SCE produces approximately 9 million[23] MWh of power annually at 74 generation facilities, predominantly from the Big Creek Hydroelectric Project and Mountainview Generating Station. Approximately 13,925 circuit miles of SCE's transmission and distribution of overhead conductor are in High Fire Risk Areas (HFRA).

SCE provides an overview of key electrical equipment for its service area in Table 5-2 below. The metrics provided in Table 5-2 are based on SCE HFRAs.

Table 5-2 - Overview of Key Electrical Equipment

Type of Equipment	HFRA	Non-HFRA	Total
Substations (#)[24]	131	689	820
Power generation facilities (#)[25]	38	36	74
Overhead transmission lines (circuit miles)[26]	4,366	7,957	12,323
Overhead distribution lines (circuit miles)[27]	9,559	28,709	38,268
Hardened overhead distribution lines (circuit miles)[28]	3,810	183	3,993
Hardened overhead transmission lines (circuit miles)[28]	0	0	0
Underground transmission and distribution lines (circuit miles)[27]	7,233	24,255	31,488
Distribution transformers (#)[29]	81,132	373,028	454,160

[22] Annual information included in this section must align with Table 7 of the QDR.
[23] Data as of 2/26/21. Data source is CAISO meters at the generation facilities.
[24] Data as of 10/28/22. The type of substation includes distribution and transmission.
[25] Data as of 10/28/22. The type of generation includes solar sites, gas sites, hydro sites, fuel cells and battery storage.
[26] Data as of 12/16/22. The overhead Transmission circuit miles include bulk and sub transmission.
[27] Data as of 12/16/22.
[28] Data as of 12/16/22. For purposes of this chart, "hardened overhead distribution and transmission lines" are considered to be circuit miles of covered conductor installed, either through WCCP or other programs (e.g., storm), as well as overhead miles undergrounded through SCE's targeted undergrounding program. Covered conductor being evaluated for feasibility on Transmission lines. As of now, it is not yet approved for use.
[29] Data as of 1/31/2023. The data includes only overhead transformers.

Type of Equipment	HFRA	Non-HFRA	Total
Reclosers (#)[30]	878	1,829	2,707
Poles (#)[31]	300,880	1,039,025	1,339,905
Towers (#)[32]	10,199	16,820	27,019
Microgrids (#)[33]	0	0	0

5.3 Environmental Settings

The electrical corporation must provide a high-level overview of the wildfire environmental settings within its service territory.

In Section 5.3, SCE describes the environmental settings associated with fire regimes throughout its service territory. In Section 5.3.1, SCE provides an overview of the fire ecology for each of its Fire Climate Zones (FCZ)s including a description of the prevailing vegetation types in each location. In Section 5.3.2, SCE describes catastrophic fires (as defined by Energy Safety) where an investigating agency opined that utility equipment was likely involved or was reported to the CPUC by SCE that utility equipment was potentially involved. Section 5.3.3 and Section 5.3.1, depicts SCE's High Fire Threat District (HFTD), which the CPUC has determined to have elevated or extreme risk of wildfires. Finally, Section 5.3.4 and lays the foundation for prevailing and future climatic conditions, as well as topographic features in each location in Section 5.3.5.

5.3.1 Fire Ecology

The electrical corporation must provide a brief narrative describing the fire ecology or ecologies across its service territory. This includes a brief description of how ecological features, such as the following, influence the propensity of the electrical corporation's service territory to experience wildfires: generalized climate and weather conditions, ecological regions and associated vegetation types, and fire return intervals.

The electrical corporation must provide tabulated statistics of the vegetative coverage across its service territory. The tabulated data must include a breakdown of the vegetation types, total acres per type, and percentage of service territory per type. The electrical corporation must identify the vegetative database used to characterize the vegetation (e.g., CALVEG). Table 5-3 provide an example of the minimum level of content and detail required.

Fire ecology varies greatly across SCE's service territory. The diversity of microclimates, topographic features, and vegetation types produce unique fire ecologies ("pyromes") in each of SCE's Fire Climate Zones (FCZ).

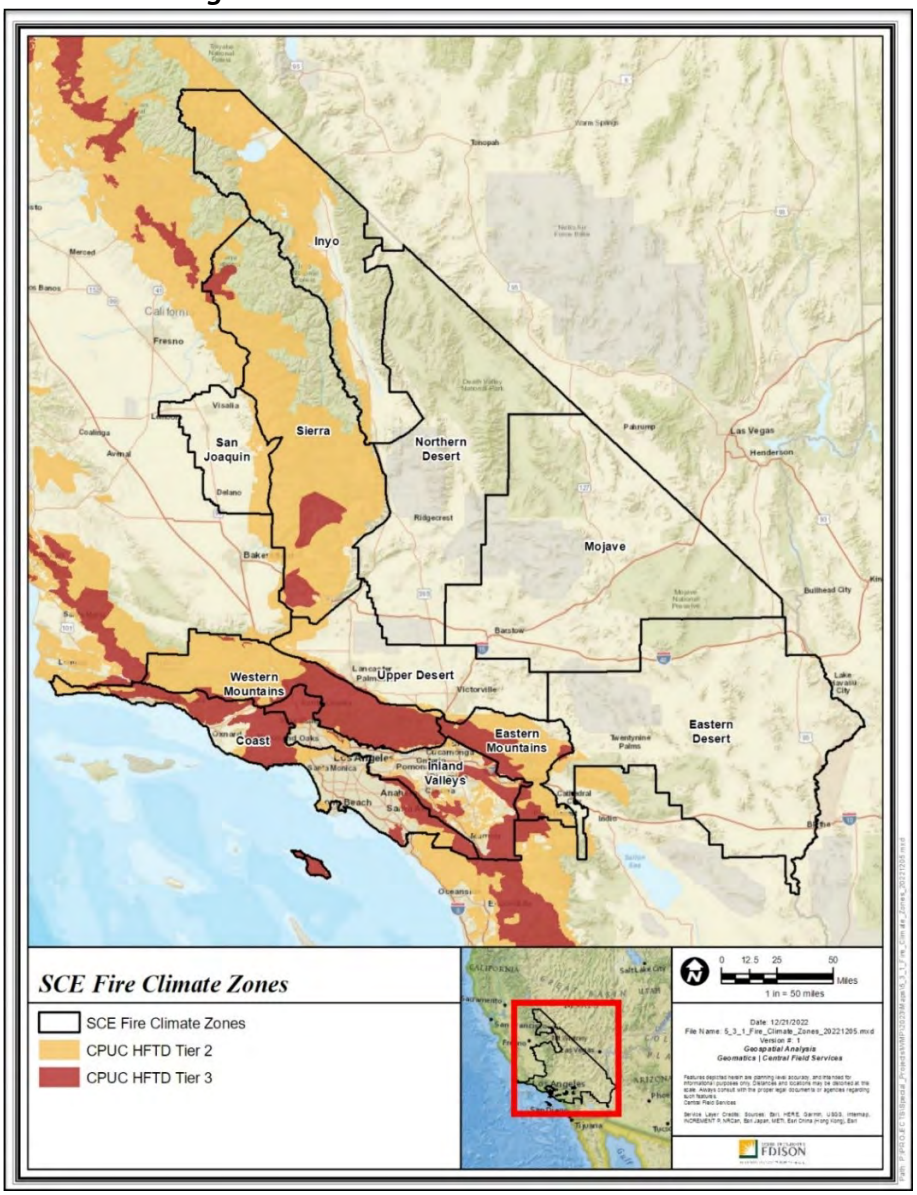
[30] Data as of 1/31/2023. The data includes only overhead reclosers.
[31] Data as of 1/31/2023. Poles include Distribution, Transmission and Combo.
[32] Data as of 1/31/2023.
[33] Currently, there are no operating front of the meter microgrids, but there are multiple projects in development.

SCE designated FCZs for operational analysis of the fire ecology of SCE's service territory. These FCZs represent areas of homogenous climate, wind, vegetation, and topography, all of which play a significant role in the initiation, spread, and intensity of wildfires.

SCE has calibrated its Fire Potential Index (FPI) metrics to the historical presence of significant wind driven fires in each climate zone. A more detailed discussion of this calibration can be found in Section 6.4.3.

In this section, SCE presents the data associated for each prompt based on its FCZ designation. For reference, see FCZ map in Figure SCE 5-02 below.

Figure SCE 5-02 - SCE Fire Climate Zones[34]



[34] Map as of 12/05/2022 and data source is from CPUC's Fire Threat Maps and Fire-Safety Rulemaking https://www.cpuc.ca.gov/industries-and-topics/wildfires/fire-threat-maps-and-fire-safety-rulemaking

- Fire Climate Zone 1 is located along the Southern California Coast from Ventura Santa Barbara

  County south through Orange County.

- Temperatures in the region approach 100 degrees or more in the late spring and occasionally reach 100 degrees in the early fall, but annual average temperatures are around 70 degrees. This zone is strongly influenced by a layer of moist marine air and year-round mild temperatures. Moderate sea breezes are common through most of the year. Precipitation varies from 15 inches along the coastal plain to over 30 inches in the mountain areas.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in summer fuel moisture by the 2050s based on a Representative Concentration Pathway (RCP) 8.5 high emissions scenarios.[35]
- Sundowner winds tend to increase in frequency across the Santa Ynez Mountain range in Santa Barbara County during the late spring and early summer months. Santa Ana winds periodically impact a much larger portion of this zone, particularly the Santa Monica Mountain range from October to May. These winds can result in periods of extreme fire weather if they occur coincident with dry fuels.
- Vegetation in the region consists primarily of grasses, coastal chaparral, and isolated timber.
- Wildfires in this region, though infrequent, can result in significant safety and financial consequences.

- Fire Climate Zone 2 is between mountain ranges from Santa Clarita, San Fernando, and San Gabriel Valleys and east to the Inland Empire.
- Sea breeze influences generally moderate summer heat in all portions of Zone 2, but on summer days when the sea breeze is weaker, temperatures often exceed 100 degrees. Winters are generally mild in this zone with daytime temperatures typically averaging around 60-70 degrees. Precipitation in this region ranges from 15-20 inches with locally higher amounts on the coastal slopes.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in summer fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- Moderate sea breezes are common in the western part of the zone, while Santa Ana winds are common on the mountain passes of the Angeles and San Bernardino National Forest, the Inland Empire, and the San Fernando and Santa Clarita Valleys.
- Vegetation in the region consists primary of grasses, coastal chaparral, and isolated timber.

[35] Pierce, D. W., J. F. Kalansky, and D. R. Cayan, (Scripps Institution of Oceanography). 2018. Climate, Drought, and Sea Level Rise Scenarios for the Fourth California Climate Assessment. California's Fourth Climate Change Assessment, California Energy Commission. Publication Number: CNRA-CEC-2018-006.

- Wildfires in this region are generally driven by dry fuels during the summer and Santa Ana wind driven fires in the fall, or winter, if precipitation is scarce. Wind driven fires in this region can consume vegetation over a large area in a short period of time with the potential for significant safety and financial consequences.

- Fire Climate Zone 3 is comprised of the complex topography (e.g., steep mountains and passes) of the Angeles and Los Padres National Forests north of the Santa Clarita, San Fernando, and San Gabriel Valleys terminating at the Cajon Pass.
- Temperatures in this zone vary drastically daily and seasonally due to both the elevation and seasonal solar angle across the east-west mountain range. Between 4,500- and 7,000-foot elevation, average highs can range from the 80s to low 90s in the summer and are generally in the 40s to low 50s in the winter. Average precipitation is between 15 to 30 inches and up to 45 inches at higher elevations along the windward slopes
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in summer fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- Storm systems in the winter produce a mixture of rain and snow with snow common at higher elevations. Breezy conditions are common in this area. Santa Ana conditions and winter storms can each bring wind gusts in excess of 70 mph.
- Vegetation in this region is a mixture of grassland, chaparral, and small amounts of desert sagebrush.
- Fuel driven wildfires in this region are common in the summer months. A small percentage of fires in this location have been induced by lightning in the late summer. When wind driven fires occur in this region, they usually occur in the fall and are difficult to suppress given the complex topography.

- Fire Climate Zone 4 is comprised of the complex topography (e.g., steep mountains and passes) of the San Bernardino and San Jacinto Mountains and the adjacent desert areas east of the Cajon Pass.
- Temperatures vary considerably across this zone both daily and seasonally due to the elevation. Highs are generally in the 80-90s in the summer and 40-50s in the winter. Strong winter storm systems often produce rain and snow at higher elevations. Average precipitation is between 15 to 30 inches and up to 45 inches at higher elevations along the windward slopes.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in summer fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.

- Breezy wind conditions are common in this area with some of the strongest and most frequent winds occurring in the Banning Pass. During times of strong onshore flow and during Santa Ana

wind conditions, gusts can exceed 60 mph.

- Vegetation in this zone include a wide variety of desert sagebrush, timber, coastal chapparal, and grasslands.
- Wildfires in the region are primarily fuel driven and occur during the summer months. A small percentage of fires in this location are induced by lightning in the late summer. When wind driven fires occur in this region, they usually occur in the fall.

- Fire Climate Zone 5 is located east of the Banning pass. It is primarily comprised of flat desert land with few major geographic features.
- Summer high temperatures in this region are generally in the 100-110 range but can exceed 115 degrees. Winter temperatures average in the 60s. This zone is dry and typically only receives 5 to 10 inches of precipitation a year, with a significant portion of the annual precipitation occurring during the summer monsoons.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in summer fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- This area is subject to mild to moderate Santa Ana winds, though much of the geostrophic energy is dispersed over the broad plains. The strongest winds in this region occur along the Colorado River and near the Banning Pass.
- Vegetation in this zone is comprised of sparse desert sagebrush.
- Although this area experiences hot, dry, and sometimes windy conditions during the summer months, large fires in this region are infrequent given the sparsity of vegetation. Wildfires that do occur in this region generally occur along major transportation corridors during the summer months due to hot and dry conditions, as well as dry lightning during monsoons.

- Fire Climate Zone 6 is in the flat, high desert plain, including the base of the north slopes of the Angeles and San Bernardino Forests east of Tehachapi.
- Summer high temperatures in the region regularly reach 100 and occasionally exceed 110 degrees. Winter high temperatures typical range from the mid-50s to around 60 degrees. This region is a major rain shadow and averages only 5 to 10 inches of precipitation a year, with higher amounts along the Antelope Valley. Light snow can occur in some instances in this area.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in summer fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- This region is extremely windy, with southwest to northwest winds of 15-30 mph during the afternoon and evenings in the spring and summer. During pacific storms, during the late fall, winter, and early spring, wind gusts can easily exceed 60 mph.
- Vegetation in this region is mostly desert sagebrush with grassland, chaparral and timber along

the foothills.

- Wildfires in this region are wind driven and relatively small (e.g., 100-300 acres), though larger fires are frequent in the foothills around Antelope Valley.

- Fire Climate Zone 7 is in the eastern high desert region along the California-Nevada border. This area includes the Mojave Preserve and the Mesquite Wilderness Area and is comprised of large, broad valleys with mountains at the higher elevation.
- Temperatures in this area are generally 100-110 degrees but can occasionally exceed 115. Winter temperatures are in mostly in the 60s. This region is dry (less than 10 inches) but is impacted by monsoonal conditions with summer thunderstorms and occasional light snow in the winter.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in summer fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- This is a windy region, though the broad plains tend to dissipate the geostrophic energy associated with winter and spring wind conditions.
- Vegetation in this region is primarily desert sagebrush with small patches of grassland and isolated timber at higher elevations.
- Wildfires in this region occur primarily in the summer due to persistent hot and dry conditions. Fires ignited by dry lighting related to monsoonal activities can be common in the area, though these fires tend to be contained to local areas due to the lack of widespread vegetation.
- Fire Climate Zone 8 is comprised of broad flat desert regions, such as Death Valley, which is below sea level, as well as the Panamint Range with elevations exceeding ten thousand feet.
- Temperatures are generally in the 105-115 range, but can exceed 120 in Death Valley, Winter temperatures are mostly in the 60-70 range. Though the region is dry (less than 10 inches annually), it can become humid during summer monsoonal conditions. Precipitation is slightly higher along the Panamint Range and some snow can occur in this area in the winter along the higher peaks.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in summer fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- This region is extremely windy throughout the year, with the strongest winds in the winter and spring.

- Desert sagebrush is the most common vegetation in the region, with scattered timber at higher elevations.
- Wildfires in this region occur primarily in the summary due to the prevailing hot and dry conditions. Fires ignited by dry lighting related to monsoonal activities can be quite common in the area. Although fire weather conditions are quite common in this region, due to the lack of vegetation wildfire tend to be infrequent.

- Fire Climate Zone 9 consists of the Eastern Sierras to the east and the White Mountains to the east with the Owens Valley oriented north-south in between.
- Annual average temperatures in this region can range from 30-40s in the mountain slopes to 70-80s in the valley regions. Summertime high temperatures average around 100 degrees in the Owens Valley. Most of the region is in a rain shadow and therefore generally dry, though the northwest portion of the region can receive 30-50" of precipitation, mostly in the form of snow.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- This region can experience strong westerly down sloping winds, along the eastern slopes of the Sierras, which can reach into the Owens Valley. Typical winds are strong southerly winds during the day and light northly winds at night. During the winter, strong northerly "Mono" winds can occur.
- This zone contains a desert sagebrush with areas of mixed timber and interspersed grasslands.
- Wildfires in this region can occur at any time of the year but are most frequent during the summer and fall. Large fires are infrequent, but most fires are wind driven and confined to the valley areas where sagebrush is more prevalent.

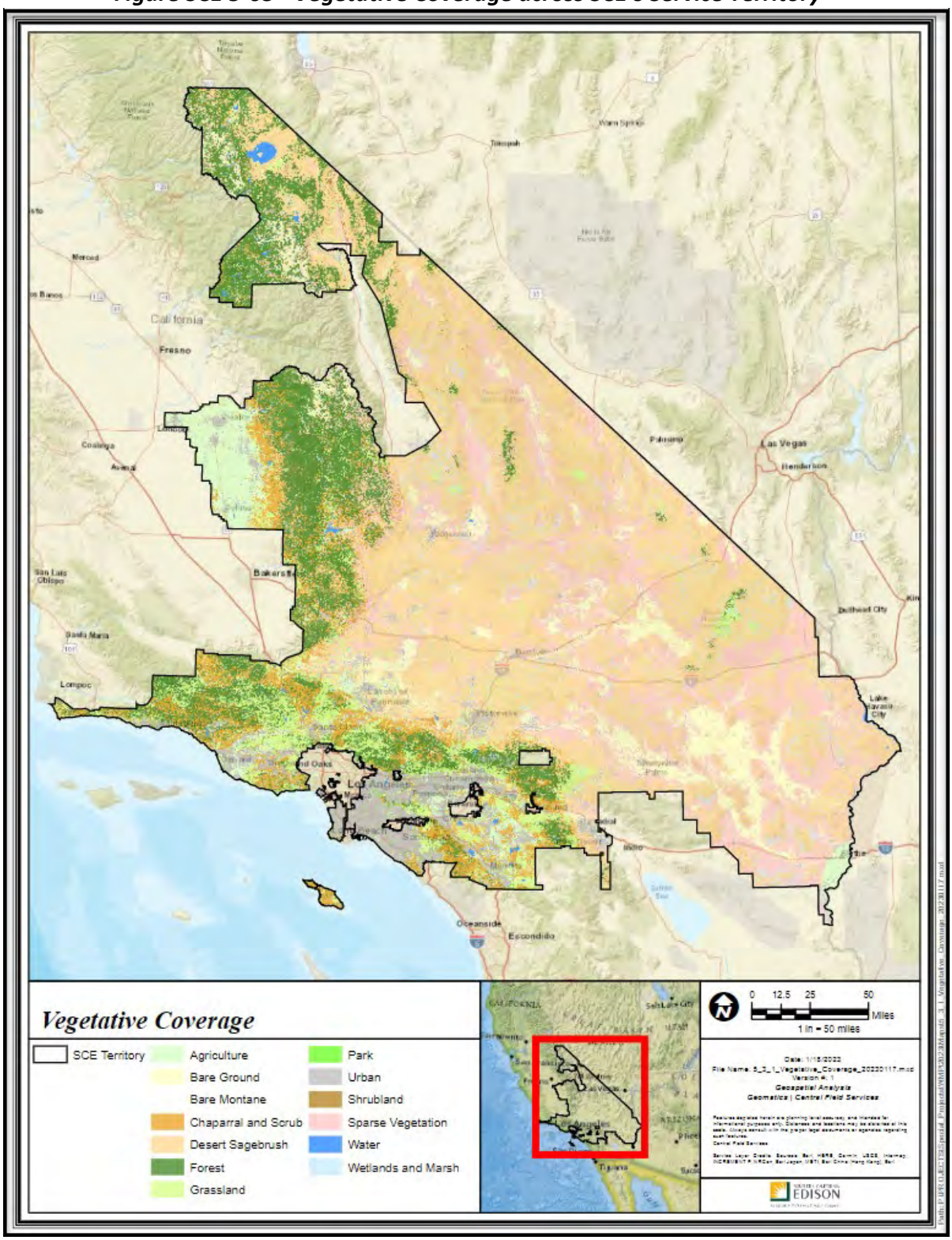
- Fire Climate Zone 10 is comprised of complex terrain, including the Sierra and Sequoia National Forests.
- Summer high temperatures range from the mid-70s to low 90s, with milder temperatures at higher elevations. Winter high temperatures can vary from the 30s at higher elevations to 60s in the southern valleys. Precipitation averages from 25-50 inches for a large portion of the northern part of the region where terrain is most complex. The southern portion of the region receives much less precipitation, ranging from 10-25 inches.

- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- This is a windy area with southerly winds ranging from 15-25 mph during most afternoons in the summer. Winds can be much stronger from the west and northwest associated with storm systems the later fall, winter, and early spring.
- Vegetation in this region is mostly timber with some areas of mixed chapparal grassland and interspersed desert sage.
- Most of the wildfires in this region occurs during the summer months. Fuel driven fires are most frequent, but occasional, wind driven fires can occur in the far southern portion near Lake Isabella. This region experiences lighting ignitions more often than any other region in SCE's service territory.

- Fire Climate Zone 11 is comprised on the San Joaquin Valley inclusive of the agricultural communities. The eastern portion of this zone include the western foothills of the Sierra Mountain range.
- This region is often hot and dry in the summer with daily highs in the 90s to 100s. Winter temperatures vary from 40s-50s in the higher elevations and 50-60s in the San Joaquin Valley. The zone receives 5-10 inches of precipitation in the western portion of the zone while the eastern slopes receive and average of 20-25 inches.
- Change in average summer temperatures for this region are projected to increase by 3-5 degrees and a slight decrease in fuel moisture by the 2050s based on RCP 8.5 high emissions scenarios.
- This is one of the least windy portions of SCE's service territory with southwest to northwest winds reaching 5-15 mph most days in the summer.
- The dominant vegetation in this region is agricultural land, with grassland, chapparal and mixed timber on the eastern slopes.
- Wildfires in this region are primarily fuel driven and mainly occur along the eastern slopes of the Sierra foothills.

Figure SCE 5-03 below shows the vegetative coverage (raster or polygon) across SCE's service territory. The source data for this map is publicly available from the North American Wildland Fuels Database and the spatial data can be downloaded at https://fuels.mtri.org/map. Further, SCE provides tabulated statistics of the vegetative coverage across its service territory in Table 5-3 below.

Figure SCE 5-03 - Vegetative Coverage across SCE's Service Territory[36]



[36] Data as of 11/10/2022 and data source is from North American Wildland Fuels Database. Michigan Tech Research Institute, United States Forest Service, and University of Washington. https://fuels.mtri.org/map

Table 5-3 - Existing Vegetation Types in the SCE Service Territory[37]

Vegetation Type	Acres	Percentage of Service Territory
Creosote Bush Desert Scrub	6,249,404.31	18.69%
Sparse Vegetation	6,161,530.43	18.43%
Desert Scrub	4,471,176.06	13.37%
Bare Ground	2,579,281.66	7.71%
Chaparral	1,689,368.73	5.05%
Road	1,396,404.65	4.18%
Agriculture	1,241,608.87	3.71%
Grassland	1,131,963.50	3.39%
Western Herbaceous Wetland	918,398.04	2.75%
Big Sagebrush Shrubland and Steppe	789,642.36	2.36%
Introduced Annual Grassland	682,499.64	2.04%
Western Oak Woodland and Savanna	675,722.80	2.02%
Pinyon-Juniper Woodland	557,240.62	1.67%
Urban	515,845.62	1.54%
Conifer-Oak Forest and Woodland	468,209.30	1.40%
Salt Desert Scrub	451,061.27	1.35%

[37] Data as of 11/10/2022 and data source is from North American Wildland Fuels Database. Michigan Tech Research Institute, United States Forest Service, and University of Washington. https://fuels.mtri.org/map

Vegetation Type	Acres	Percentage of Service Territory
Ponderosa Pine Forest, Woodland and Savanna	426,642.37	1.28%
California Mixed Evergreen Forest and Woodland	426,139.62	1.27%
Douglas-fir-Grand Fir-White Fir Forest and Woodland	385,593.53	1.15%
Red Fir Forest and Woodland	359,842.73	1.08%
Douglas-fir-Ponderosa Pine-Lodgepole Pine Forest and Woodland	358,598.82	1.07%
Pacific Coastal Scrub	305,700.20	0.91%
Low Sagebrush Shrubland and Steppe	251,406.54	0.75%
Subalpine Woodland and Parkland	175,277.86	0.52%
Water	148,975.90	0.45%
Alpine Dwarf-Shrubland, Fell-field and Meadow	145,743.68	0.44%
Lodgepole Pine Forest and Woodland	130,419.54	0.39%
Mountain Mahogany Woodland and Shrubland	84,634.48	0.25%
Introduced Annual and Biennial Forbland	75,029.51	0.22%
Park	44,754.20	0.13%
Aspen Forest, Woodland, and Parkland	41,762.06	0.12%
Limber Pine Woodland	31,111.78	0.09%
Greasewood Shrubland	23,020.42	0.07%
Introduced Riparian Vegetation	11,090.47	0.03%

Vegetation Type	Acres	Percentage of Service Territory
Aspen-Mixed Conifer Forest and Woodland	6,939.70	0.02%
Dry Tundra	5,889.99	0.02%
Mountain Hemlock Forest and Woodland	5,755.78	0.02%
Introduced Perennial Grassland and Forbland	4,533.04	0.01%
Glacier	3,971.28	0.01%
Mine	2,814.16	0.01%
Pacific Coastal Marsh	1,303.01	0.00%
Blackbrush Shrubland	908.38	0.00%
Juniper Woodland and Savanna	434.81	0.00%
Deciduous Shrubland	38.47	0.00%
Mesquite Woodland and Scrub	12.70	0.00%
Redwood Forest and Woodland	1.17	0.00%
Total	33,437,704.06	100.00%

5.3.2 Catastrophic Wildfire History

The electrical corporation must provide a brief narrative summarizing its wildfire history for the past 20 years (2002-2022) as recorded by the electrical corporation, CAL FIRE, or another authoritative sources. For this section, wildfire history must be limited to electrical corporation ignited catastrophic fires (i.e., fires that caused at least one death, damaged over 500 structures, or burned over 5,000 acres). This includes catastrophic wildfire ignitions reported to the CPUC that may be attributable to facilities or equipment owned by the electrical corporation and where the cause of the ignition is still under investigation.[38] Electrical corporations must clearly denote those ignitions as still under investigation. In

[38] CPUC emergency reporting instructions: https://www.cpuc.ca.gov/regulatory-services/safety/emergency-reporting.

addition, the electrical corporation must provide catastrophic wildfire statistics in tabular form, including the following key metrics:

- *Ignition date*
- *Fire name*
- *Official cause (if known)*
- *Size (acres)*
- *Number of fatalities*
- *Number of structures damaged*
- *Estimated financial loss (U.S. dollars)*

Table 5-4 provides an example of the content and level of detail required for the tabulated historical catastrophic utility-related wildfire statistics.[39] The electrical corporation must provide an authoritative government source (e.g., CPUC, CAL FIRE, U.S. Forest Service, or local fire authority) for its reporting of wildfire history data and loss/damage estimates, to the extent this information is available.

SCE provides the requested information in Table 5-4 below. For purposes of this table, SCE has listed wildfires which meet the definition of "catastrophic" as provided by Energy Safety, and where an investigating agency opined that SCE utility infrastructure was the likely cause or SCE reported to the CPUC as potentially involving utility infrastructure but where the cause is still under investigation. For those listed which are still under investigation, an official cause has not been provided. The information provided below should not be construed as an admission of any wrongdoing or liability by SCE. SCE further notes that the damages metrics provided may be tracked by other agencies and thus, SCE does not guarantee the accuracy of such information. Additionally, in many instances the cause of wildfires are still under investigation and even where an Authority Having Jurisdiction (AHJ) has issued a report on the cause, SCE may dispute the conclusions of such report.

[39] Annual information included in this section must align with Table 2 of the QDR.

Table 5-4 - Catastrophic Electrical Corporation Wildfires

Ignition Date[40]	Fire Name[40]	Official Cause[41]	Fire Size (Acres)[40]	# of Fatalities[40]	# of Structures Destroyed and Damaged[40]	Financial Loss (US$)[42]
10/20/2007	RANCH	USFS opined fire caused by SCE equipment	> 58,000	0	9 Structures Damaged or Destroyed	Data not available
11/14/2008	SAYRE	USFS opined fire caused by SCE equipment	11,262	0	604 Structures Destroyed / 147 Structures Damaged	Data not available
02/06/2015	ROUND	CAL FIRE opined fire caused by SCE equipment	7,000	0	43 Structures Destroyed / 5 Structures Damaged	Data not available
08/18/2016	REY	USFS opined fire caused by SCE equipment	32,606	0	5 Structures Destroyed	Data not available
12/04/2017	THOMAS/ KOENIGSTEIN	CAL FIRE & VCFD opined that fires caused by SCE equipment	281,893	2	1,060 Structures Destroyed / 274 Structures Damaged	Data not available
12/05/2017	CREEK	USFS opined that fire caused by LADWP equipment	15,619	0	123 Structures Destroyed / 81 Structures Damaged	Data not available
12/05/2017	RYE	CAL FIRE opined fire caused by SCE equipment	6,049	0	6 Structures Destroyed / 3 Structures Damaged	Data not available

[40] Wildfire history data is derived from various sources including SCE incident reports and related communications, CAL FIRE (https://www.fire.ca.gov/stats-events/), and U.S Forest Service (https://nap.nwcg.gov/NAP/).

[41] Where an Official Cause is stated, the source of the Official Cause was obtained from the identified agency's Fire Investigation Cause and Origin Report.

[42] In some instances, an agency may provide data related to one component of financial loss such as costs associated with suppression efforts, however, SCE is not aware of an authoritative government source that provides all-inclusive data regarding financial loss.

Ignition Date[40]	Fire Name[40]	Official Cause[41]	Fire Size (Acres)[40]	# of Fatalities[40]	# of Structures Destroyed and Damaged[40]	Financial Loss (US$)[42]
11/08/2018	WOOLSEY	CAL FIRE opined fire caused by SCE equipment and unidentified communication line	96,949	3	1,643 Structures Destroyed / 364 Structures Damaged	Data not available
10/10/2019	SADDLE RIDGE	Los Angeles City Fire Dept opined that the cause of the fire is undetermined	8,799	1	24 Structures Destroyed / 91 Structures Damaged	Data not available
09/06/2020	BOBCAT	No official cause. Under investigation	115,997	0	169 Structures Destroyed / 47 Structures Damaged	Data not available
10/26/2020	SILVERADO	No official cause. Under investigation	12,466	0	5 Structures Destroyed / 11 Structures Damaged	Data not available
09/05/2022	FAIRVIEW	No official cause. Under investigation	28,307	2	36 Structures Destroyed / 8 Structures Damaged	Data not available

SCE identifies the following wildfires which meet the definition of "catastrophic" over the past 20 years wherein SCE, CAL FIRE, or another authoritative source opined that the fire was likely ignited by electrical equipment, or the cause of the fire is still under investigation. The information provided below should not be construed as an admission of any wrongdoing or liability by SCE.

i The **Ranch Fire** ignited on 10/20/2007 wherein the United States Department of Agriculture (USDA) United States Forest Services (USFS) opined that during extreme Santa Ana Wind conditions, a preform attached to a bell-type insulator on a distribution circuit broke, causing the insulator to pull away from the steel tower and suspending it while still attached to the tap line. The winds caused the conductor to swing back and forth allowing the bell insulator to make contact with a section of the tower and ignited the fire.

ii The **Sayre Fire** ignited on 11/14/2008 wherein the USDA (USFS) opined that phase-to-phase conductor contact during windy conditions ignited the fire. However, SCE disputed this opinion insofar as human activity, including the possibility of an intentionally lit fire, could not be ruled out as a cause of the ignition.

iii The **Round Fire** ignited on 2/6/2015 wherein CAL FIRE opined that a decayed tree fell into an overhead line and ignited the fire.

iv The **Rey Fire** ignited on 8/18/2016 wherein the USDA (USFS) opined that a large portion of an oak tree split and landed on underbuilt communication lines which pulled down the poles causing an electric line to separate and ignited the fire.

v The **Thomas Fire/Koenigstein Fire** ignited on 12/4/2017 wherein CAL FIRE and Ventura County Fire Department opined that the Thomas Fire ignited from phase-to-phase conductor contact in a wind event and the Koenigstein Fire ignited from downed energized conductor during the same wind event. These fires are still under investigation by SCE and in active litigation.

vi The **Rye Fire** ignited on 12/5/2017 wherein CAL FIRE opined that a strand-vise device which connected a transmission down-guy to the guy anchor failed, causing the guy wire to whip through the air and make contact with a jumper on an underbuilt distribution circuit and ignited the fire.

vii The **Creek Fire** ignited on 12/5/2017 wherein the USDA (USFS) opined that powerlines on an LADWP-owned transmission circuit ignited the fire. This fire is still under investigation by SCE and in active litigation.

viii The **Woolsey Fire** ignited on 11/8/2018 wherein CAL FIRE opined that a slack transmission down-guy made contact in high winds with a jumper on an underbuilt distribution circuit energizing distribution guy wires and energizing SCE and unidentified communications lines resulting in two ignition sites. This fire is still under investigation by SCE and in active litigation.

ix The **Saddle Ridge Fire** ignited on 10/10/2019 wherein Los Angeles City Fire Department opined that the cause of the fire was undetermined. This fire is still under investigation by SCE and in active litigation.

x The **Bobcat Fire** ignited on 9/6/2020 wherein the cause is still under investigation by SCE and the USDA (USFS).

xi The **Silverado Fire** ignited on 10/26/2020 wherein the cause is still under investigation by SCE and the Orange County Fire Authority.

xii **The Fairview Fire** ignited on 9/5/2022 wherein the cause of the fire is still under investigation by SCE and CAL FIRE.

*[Related Requirement from Sec*tion 10]:

In addition to the above potential sources of lessons learned, the electric corporation must detail lessons learned from any and each catastrophic wildfire ignited by its facilities or equipment in the past 20 years, as listed in Section 5.3.2. The electric corporation must also detail specific mitigation measures implemented as a result of these lessons learned and demonstrate how the mitigation measures are being integrated into the electric corporation's wildfire mitigation strategy.

As discussed in Section 11, SCE has a formal process to investigate ignitions of all sizes (catastrophic and non-catastrophic) and SCE uses this process to evaluate risk events. This can lead to changes to SCE's inspection practices, vegetation management practices, modifications to SCE's engineering standards, or the introduction of new mitigation strategies. Section 11 provides further detail on SCE's risk event evaluation process and how that effort can translate into these changes.

In terms of lessons learned and resulting mitigations from these evaluations, SCE provides a few examples below. For example, SCE had seen an increase in ignitions associated with secondary conductors, and as a result, SCE modified its inspection form with new questions to capture and remediate these issues. In another example, a small fire (<1 acre) occurred in 2019 associated with SCE equipment, due to degradation occurring at the top of a crossarm. In response to this evaluation, SCE began inspecting transmission and distribution structures both from the ground and aerially, to develop a 360-degree inspection of the structure. This has served as the basis for SCE's asset inspection programs which are detailed in Section 8.

Several wildfires are still under investigation. There are some for which SCE filed an Electrical Safety Incident Report in an abundance of caution, even though SCE affirmatively disputes that its equipment was associated with ignition based on current information. Once these ongoing investigations are complete SCE will evaluate opportunities to incorporate any lessons learned into its construction and maintenance practices or future mitigation strategies. Separately, SCE is in the process of implementing system enhancements to strengthen SCE's electric system, support community engagement activities, and make investments in safety studies, pursuant to an agreement between SCE and the CPUC's Safety Enforcement Division, as adopted by the CPUC in Resolution SED-5 and SED-5A.[43] Further information can be found through the CPUC's website.[44]

The electrical corporation must also provide a map or set of maps illustrating the catastrophic wildfires. One representative map must appear in the main body of the WMP, with supplemental or detailed maps provided in Appendix C as needed. The maps must include the following:

- *Fire perimeters*
- *Legend and text labeling each fire perimeter*
- *County lines*

Figure 5-1 below maps the catastrophic wildfires identified in Table 5-4 above. An additional 12 maps reflecting individual catastrophic wildfire are provided in Appendix C: Additional Maps.

[43] RESOLUTION SED-5 APPROVING ADMINISTRATIVE CONSENT ORDER AND AGREEMENT OF THE SAFETY AND ENFORCEMENT DIVISION AND SOUTHERN CALIFORNIA EDISON COMPANY (U338-E) REGARDING THE 2017/2018 SOUTHERN CALIFORNIA FIRES PURSUANT TO RESOLUTION M-4846.

[44] https://www.cpuc.ca.gov/regulatory-services/enforcement-and-citations

Figure 5-1 - Catastrophic Wildfire History Map [45]

[45] Map as of 1/5/2023 and data source is from CalFire Fire and Resource Assessment Program (FRAP) GIS Database. https://frap.fire.ca.gov/mapping/gis-data/

5.3.3 High Fire Threat Districts

The electrical corporation must provide a brief narrative identifying the CPUC-defined HFTD across its territory. The electrical corporation must also provide a map of its service territory overlaid with the HFTD. The map must be accompanied by tabulated statistics on the CPUC- defined HFTD including the following minimum information:

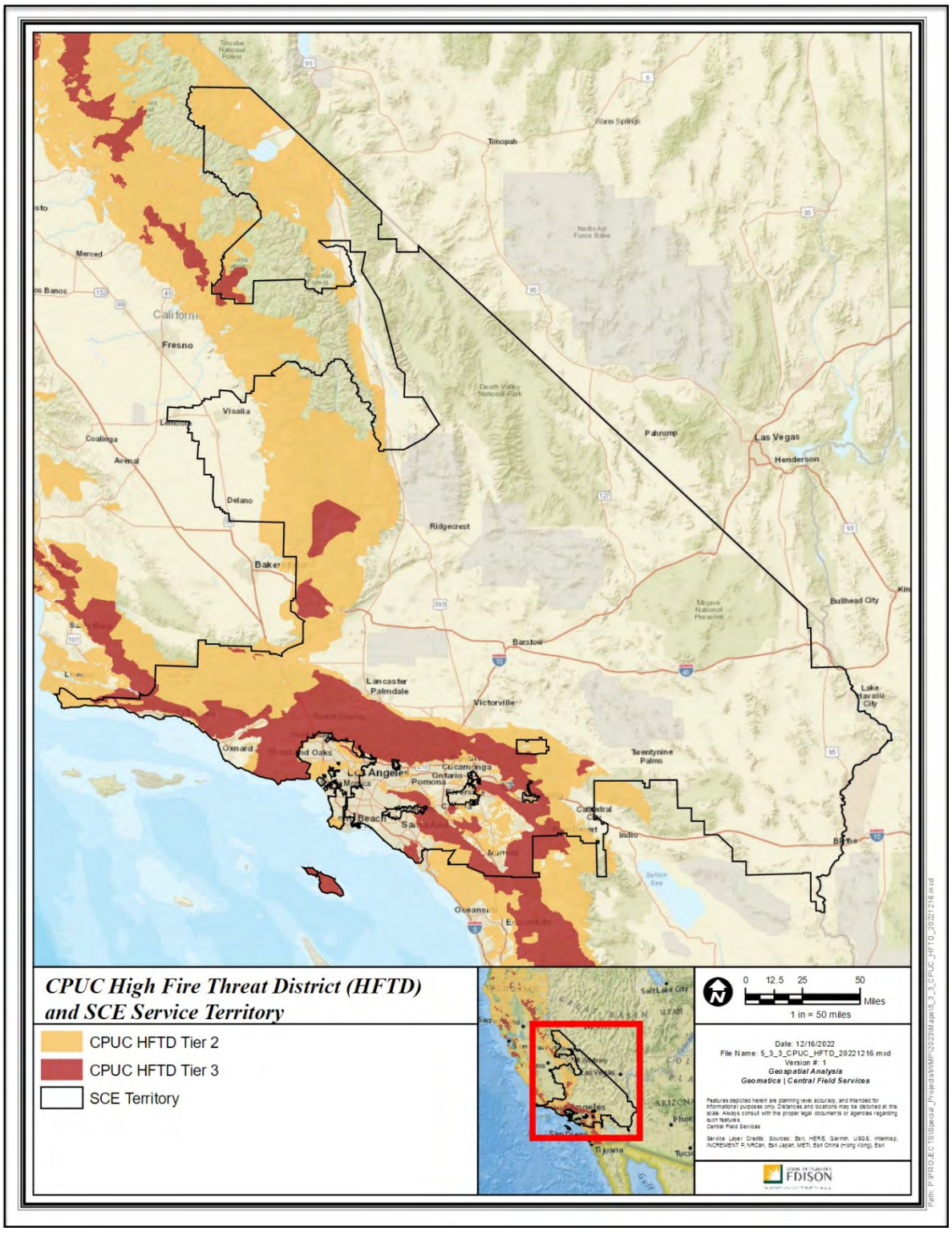
- *Total area of the electrical corporation's service territory in the HFTD (sq. mi.)*
- *The electrical corporation's service territory in the HFTD as a percentage of its total service territory (%)*

For the HFTD map, the HFTD layer(s) (raster or polygon) must cover the electrical corporation's service territory and the HFTD layer must match the latest boundaries as published by the CPUC. Table 5-5 provides an example of the content and level of detail required.

SCE's High Fire Risk Areas generally follow the historical wildfire patterns described in the previous section. Approximately one third of SCE's service territory is comprised of areas designated as either elevated or extreme by the Commission's High Fire Threat District (HFTD). In response to 2007 wildfires, the Commission adopted Decisions (D) 12-01-032 and D.14-01-010 in Rulemaking 08-11-005 to develop statewide fire hazard maps that depict the locations with environmental conditions in which there is potential for the ignition and spread of utility involved ignition events. These HFTD maps identify locations for enhanced mitigation activities such as inspections and vegetation management adopted in Decision 17-12-024. Decision 15-05-006 modified the HFTD boundaries within SCE's service territory to include areas that were not previously designated.

Figure SCE 5-04 below shows HFTD (raster or polygon) in SCE's service area. The source data for this map is publicly available from the CPUC website, and the spatial data can be downloaded at https://www.cpuc.ca.gov/industries-and-topics/wildfires/fire-threat-maps-and-fire-safety-rulemaking. Further, SCE provides HFTD statistics for its service area in Table 5-5 below.

Figure SCE 5-05 - HFTD For SCE Territory[46]



[46] Map as of 11/3/22 and data source is from CPUC's Fire Threat Maps and Fire-Safety Rulemaking https://www.cpuc.ca.gov/industries-and-topics/wildfires/fire-threat-maps-and-fire-safety-rulemaking

***Table 5-5 - CPUC's HFTD Statistics*[47]**

High Fire Threat District	Total Area of Individual District (sq. mi.)	% of Total Service Territory
Non-HFTD	38,065	73%
Tier 2	9,544	18%
Tier 3	4,662	9%
Total	52,270	100%

5.3.4 Climate Change

It is critical for the electrical corporation to understand general climate conditions and how climate change impacts the frequency and the intensity of extreme weather events and the vegetation that fuels fires.

The risk of significant[48] wildfire events continue to grow due to a range of changing climatic conditions that foster the initiation, spread, and intensity of wildfires. These developments, in turn, have the potential to increase associated wildfire consequences (e.g., average acres burned, facilities impacted). Extreme multi-year droughts (i.e., increased temperatures and decreased precipitation) continue to lead to increases in dead vegetation, while increases in the frequency and/or magnitude of wind events can compound any resulting fires. Projections by Westerling (2018) point to a future defined by intensifying and, at times, expanding areas of elevated wildfire risk, strongly driven by changes to underlying climate conditions.

5.3.4.1 General Climate Conditions

The electrical corporation must provide an overview of the general weather conditions and climate across its service territory in the past 30- to 40-year period.[49] The narrative must include, at a minimum, the following:

- *Average temperatures throughout the year*
- *Extreme temperatures that may occur and when and where they may occur*
- *Precipitation throughout the year*

The electrical corporation must also provide a graph of the average precipitation and maximum and minimum temperatures for each distinct climatic region of its service territory. At a minimum, it must provide one graph in the main body of the report. Figure 5-2 provides an example of the climate/weather graph.

[47] Data as of 12/14/22.

[48] In its 2022 Risk Assessment and Mitigation Phase (RAMP) filing, SCE defines "significant" fires as: Significant Fires are simulated fires that, at 8 hours after ignition, burned more than 10,000 acres or had at least one fatality or had at least 50 structures impacted.

[49] Annual information included in this section must align with Table 4 of the QDR.

Yearly average maximum and minimum temperatures peak in August with minimum values occurring in December and January for all fire climate zones. Average maximum temperatures in the summer range from near 100 in the deserts to around 80 near the coast. Annual precipitation amounts are greatest in the mountains with most of the annual precipitation occurring between November and April. Seasonal drought conditions occur during the summer months, but monsoon moisture in July and August can provide some relief in the mountains and deserts most years.

Below is the analysis on the Annual Mean Climatology (Temperature and Precipitation) for the 11 Fire Climate Zones (FCZ).

Average maximum temperatures for this zone peak in the low 80s in August while dropping to near 60 degrees in December and January. Average minimum temperatures range from the upper 40s in the winter to the lower 60s in the summer. Precipitation is highest from December through March with only trace amounts occurring during the summer.

Average maximum temperatures for this zone peak in the lower 90s in August while dropping to the lower 60s in December and January. Average minimum temperatures range from the upper 40s in the winter to the upper 60s in summer. Precipitation is highest from December through March with only trace amounts occurring during the summer.

Average maximum temperatures for this zone peak in the lower 80s in August while dropping to near 50 in December and January. Average minimum temperatures range from near 40 in the winter to the mid-60s in summer. Precipitation is highest from December through March with only trace amounts occurring during the summer.

Average maximum temperatures for this zone peak in the lower 80s in August while dropping to the upper 40s in December and January. Average minimum temperatures range from the upper 30s in the winter to the mid-60s in summer. Precipitation is highest from December through March with minimal amounts occurring in the summer.

Average maximum temperatures for this zone peak around 100 in July and August while dropping to near 60 in December and January. Average minimum temperatures range from the mid-40s in the winter to the upper 70s in summer. Precipitation amounts are low throughout the year but are highest from December through February.

Average maximum temperatures for this zone peak in the mid-90s in July and August while dropping to the mid-50s in December and January. Average minimum temperatures range from near 40 in the winter to near 70 in summer. Precipitation amounts are low throughout the year but are highest from December through March.

Average maximum temperatures for this zone peak in the upper 90s in July and August while dropping to the mid-50s in December and January. Average minimum temperatures range from near 40 in the winter to the mid-70s in summer. Precipitation amounts are low throughout the year but are highest from December through February.

Average maximum temperatures for this zone peak in the mid-90s in July and August while dropping to the low 50s in December and January. Average minimum temperatures range from near 40 in the winter to the low 70s in summer. Precipitation amounts are low throughout the year but are highest in January and February.

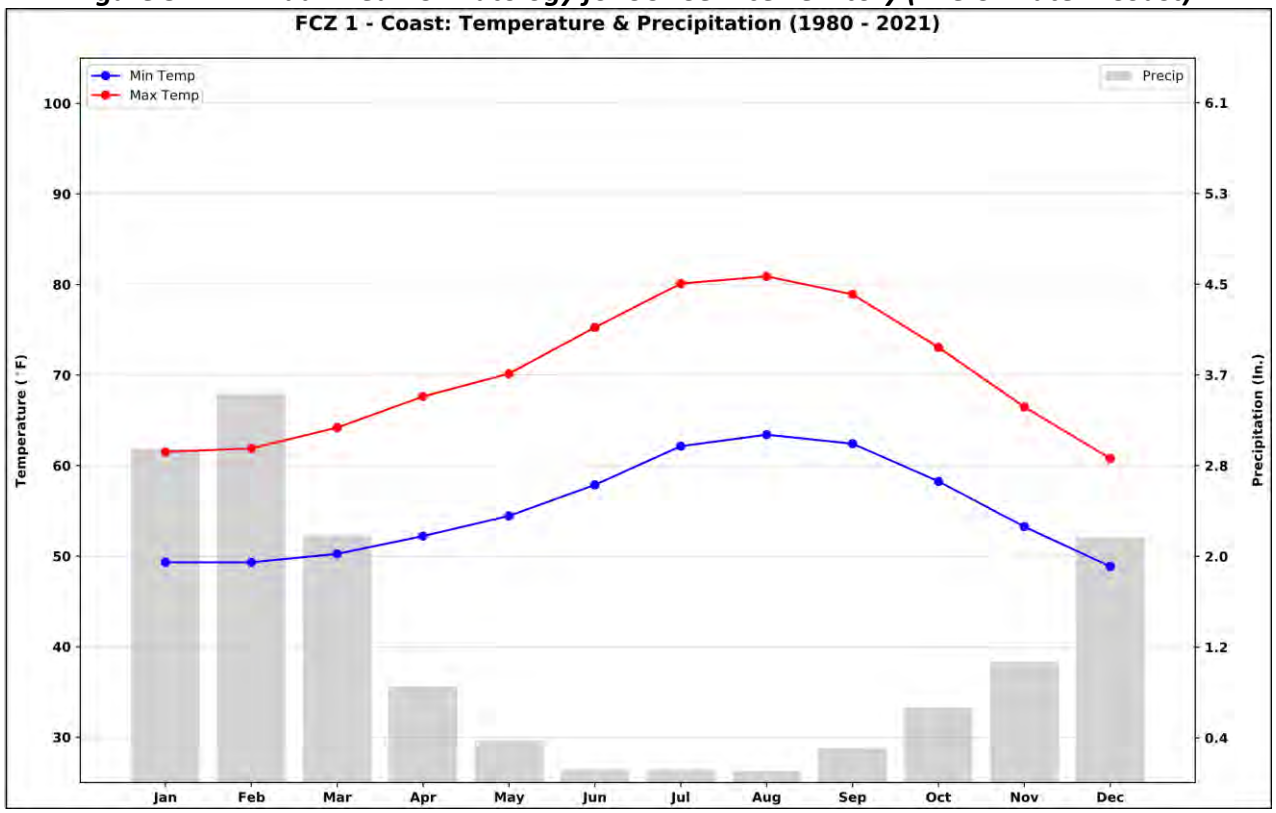
Average maximum temperatures for this zone peak in the upper 70s in July and August while dropping to the upper 40s in December and January. Average minimum temperatures range from the upper 20s in the winter to near 60 in summer. Precipitation is highest from November through March with lower amounts occurring during the summer.

Average maximum temperatures for this zone peak in the mid-70s in July and August while dropping to the near 40 in December and January. Average minimum temperatures range from near 30 in the winter to near 60 in summer. Precipitation is highest from November through March with lower amounts occurring during the summer.

Average maximum temperatures for this zone peak in the upper 90s in July and August while dropping to the upper 50s in December and January. Average minimum temperatures range from the mid-40s in the winter to the upper 60s in summer. Precipitation is highest from December through March with lower amounts occurring during the summer.

SCE provides graphs of temperature and precipitation for these 11 fire climate zones. Figure 5-2 provides the temperature and precipitation from 1980 to 2021 for fire climate zone 1. Figures for the remaining 10 fire climate zones are provided in Appendix F: Supplemental Information. Data source is from SCE's 40-year internal dataset which was generated by third party vendor, Atmospheric Data Solutions (ADS) by downscaling the Climate Forecast System Reanalysis (CFSR) data which comes from the National Center for Atmospheric Research (NCAR).

Figure 5-2 - Annual Mean Climatology for SCE Service Territory (Fire Climate 1-Coast)[50]



5.3.4.2 Climate Change Phenomena and Trends

The electrical corporation must provide a brief discussion of the local impacts of anticipated climate change phenomena and trends across its service territory. In addition, the electrical corporation must provide graphs/charts illustrating:

- *Mean annual temperature (Figure 5-3)*
- *Mean annual precipitation (Figure 5-4)*
- *Projected changes in minimum and maximum daily temperatures (Figure 5-5)*

The electrical corporation must also indicate the increase in extreme fire danger days (historic 95th-percentile conditions) due to climate change, considering (at a minimum) the combination of warmer temperatures, drier vegetation, and changes in high-wind events (e.g., Santa Ana winds, Diablo winds, Sundowners) for both winter/spring and summer/fall periods throughout the electrical corporation service territory. Figure 5-6 provides an example of the required information on projections of extreme fire dangers.

The electrical corporation must cite all source(s) used to write and illustrate this section.

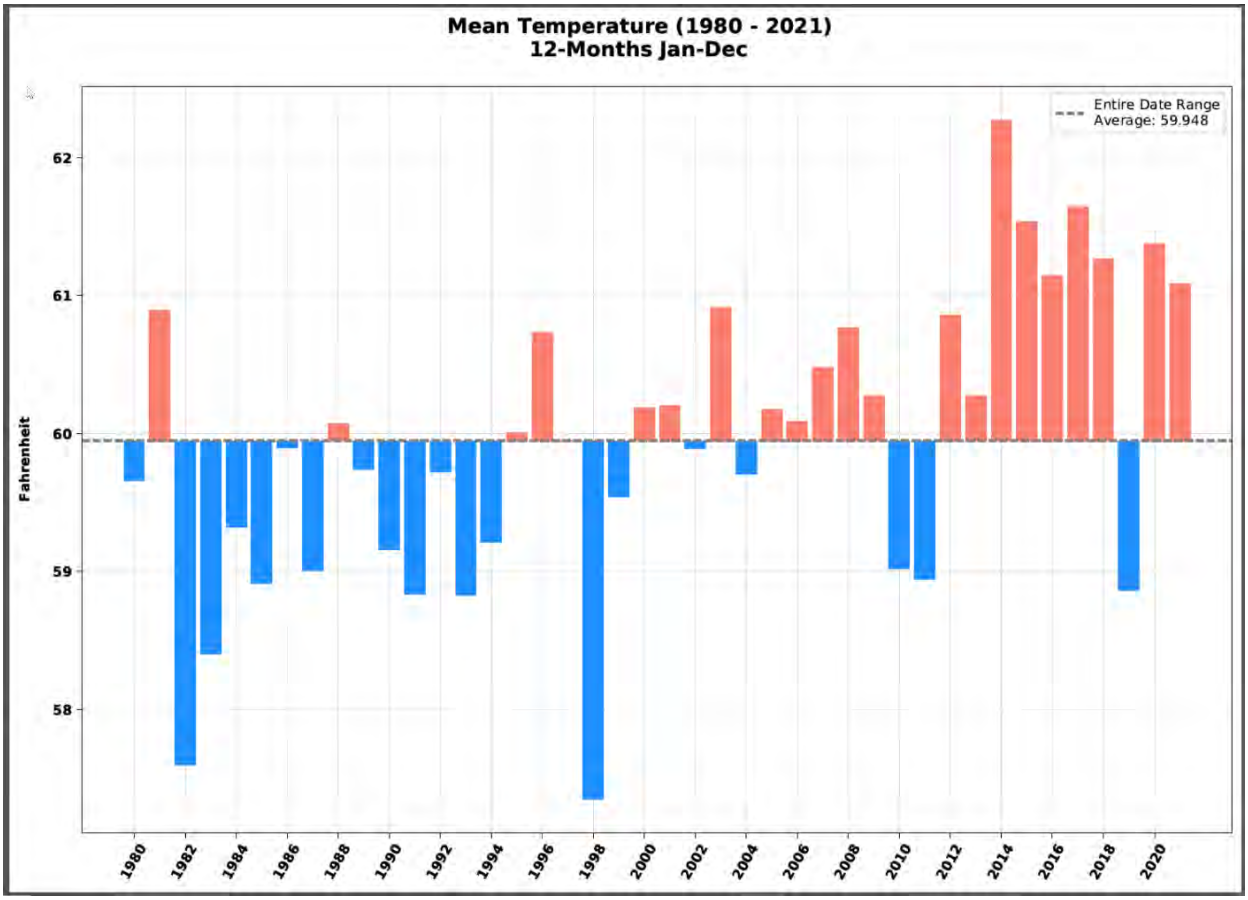
Mean annual temperatures since 1980 have been steadily increasing across the SCE service area since the early to mid-1990s, while mean annual precipitation has slowly decreased over the last four decades. In addition, there have been periods of severe drought across portions of the SCE service territory since 2000. Data source is from SCE's 40-year internal dataset which was generated by third party vendor, Atmospheric Data Solutions (ADS), by downscaling the Climate Forecast System Reanalysis (CFSR) data from the National

[50] Figure as of 10/26/2022 and data source is from https://psl.noaa.gov/data/gridded/data.narr.html.

Center for Atmospheric Research (NCAR). The data was downscaled to a 2-km horizontal resolution at an hourly temporal resolution going back to 1980.

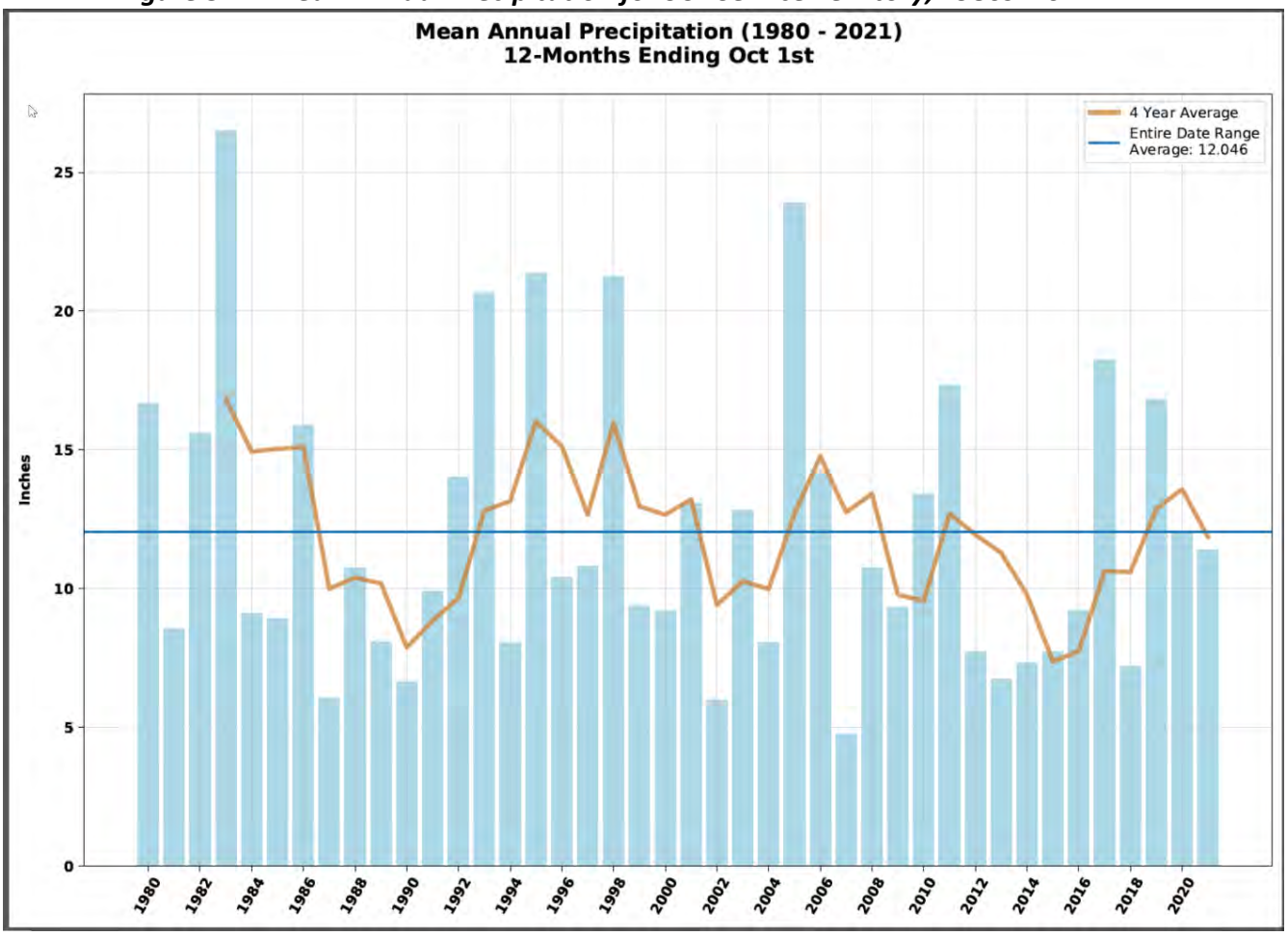
Figure 5-3 below shows annual temperature and Figure 5-4 below shows annual precipitation for SCE's service area.

Figure 5-3 - Mean Annual Temperature for SCE Service Territory, 1980s–2021[51]



[51] Figure as of 11/15/2022 and data source is from https://psl.noaa.gov/data/gridded/data.narr.html.

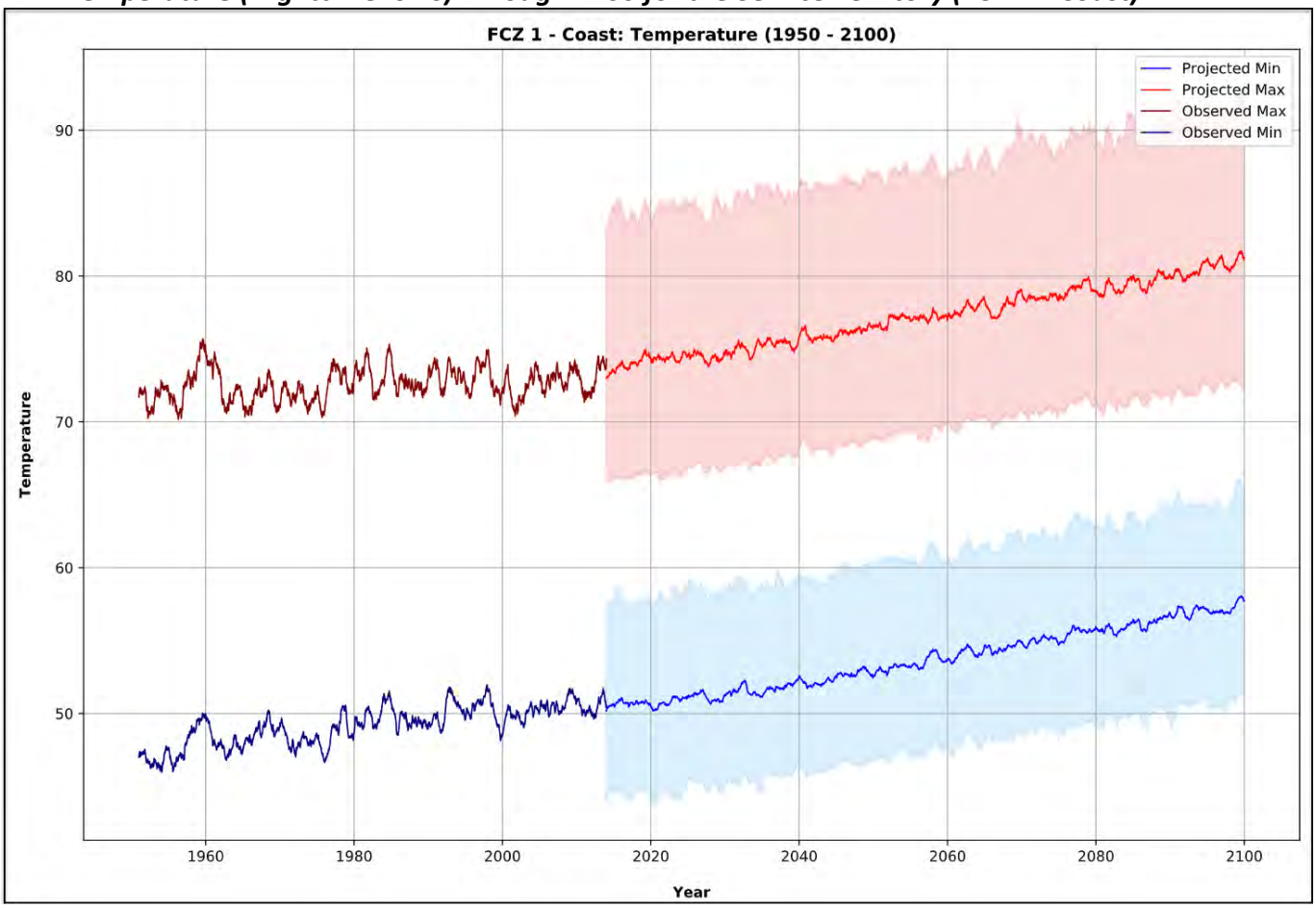
Figure 5-4 - Mean Annual Precipitation for SCE Service Territory, 1980s–2021[52]



[52] Figure as of 11/15/2022 and data source is from https://psl.noaa.gov/data/gridded/data.narr.html.

Figure 5-5 presents average daily maximum and minimum temperature values observed and projected for fire climate zone 1 using data from California's 4th Climate Change Assessment. An additional 10 figures reflecting this information are provided in Appendix F: Supplemental Information. These daily average maximum and minimum values are calculated as 365-day rolling averages. Fire Climate Zones are defined as regions in which SCE observes similar climatic conditions related to fire weather conditions.

Figure 5-5 - Projected Change in Maximum Temperature (Daytime Highs) and Minimum Temperature (Nighttime lows) Through 2100 for the Service Territory (FCZ 1 – Coast)[53]



Below is analysis on the maximum and minimum for the 11 Fire Climate Zones (FCZ).

Fire Climate Zones 1 (Coast) and 2 (Inland Valleys)

Observed maximum temperatures change little through the observed period while an upward trend is noticeable among the minimum temperature observations. Both maximum and minimum temperatures are projected to trend upward across this zone through the end of the century.

Fire Climate Zones 3 (Western Mountains), 4 (Eastern Mountains), 5 (Eastern Mountains), 6 (Upper Desert), and 8 (Northern Desert)

Observed maximum temperatures change little through the observed period while a slight upward trend is

[53] Figure as of 11/4/2022 and data source is from Cal-Adapt https://cal-adapt.org/

noticeable among the minimum temperature observations. Both maximum and minimum temperatures are projected to trend upward across this zone through the end of the century.

Fire Climate Zone 9 (Inyo)

Observed maximum temperatures show a slight upward trend through the observed period while little change was noted among the minimum temperature observations. Both maximum and minimum temperatures are projected to trend upward across this zone through the end of the century.

Fire Climate Zones 7 (Mojave), 10 (Sierra), and 11 (San Joaquin)

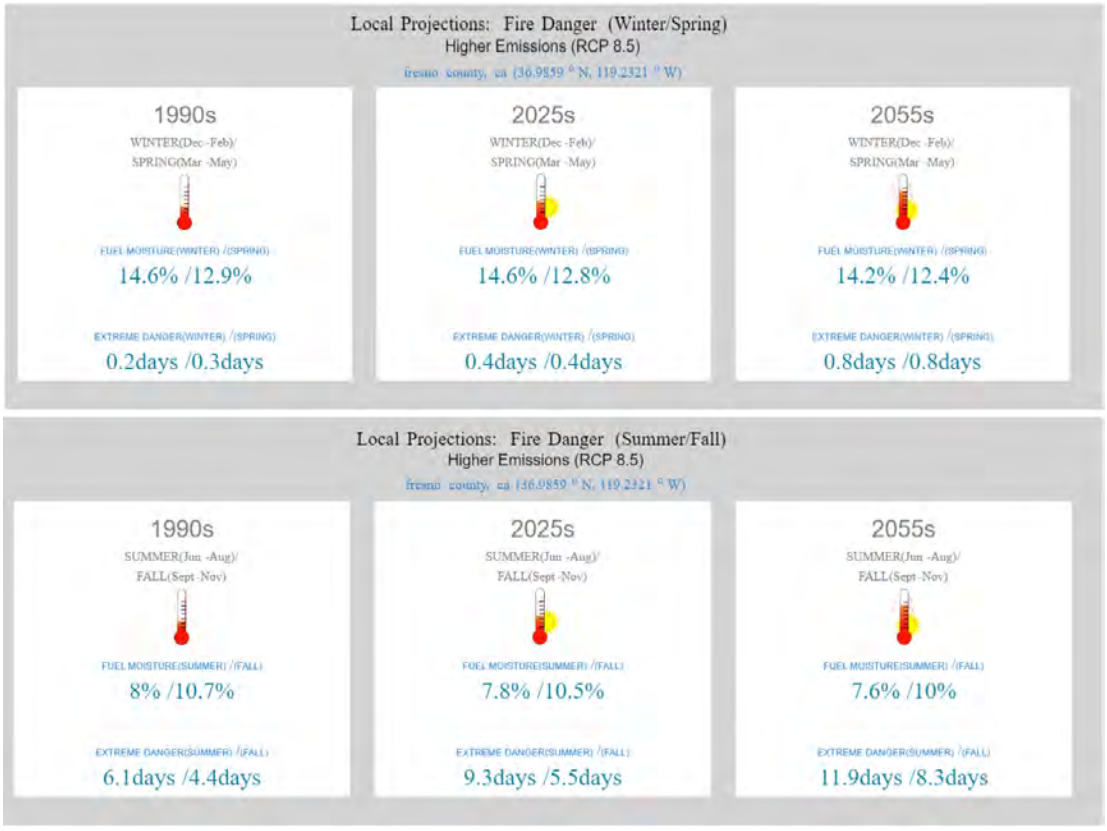
Observed maximum and minimum temperatures change little through the observed period, but both are projected to trend upward across this zone through the end of the century.

Projection of Extreme Fire Dangers

Extreme fire weather day frequency is expected to increase across all SCE counties during most seasons and fuel moisture is expected to generally decrease. The largest increases in extreme fire weather days are forecast for Inyo and Mono County during the summer months. Data source is from climatetoolbox.org.[54] below shows the historical and projection of fuel moisture for Fresno County and data for the remaining fifteen counties are provided in Appendix F: Supplemental Information.

[54] Climatetoolbox.org does not allow SCE to apply Fire Climate Zones into the analysis, and therefore SCE has to switch to using counties.

Figure 5-6 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Fresno County)[55]



Below is the analysis on the fire moisture and fire danger observations and projects for the 16 counties.

For summer and fall, little or no change has occurred in fuel moisture since the 1990s, nor is it expected to through 2055. However, the number of fire danger days has increased since the 1990s and will continue to do so through the middle part of the century. For winter and spring, little or no change has occurred in fuel moisture since the 1990s, nor is any significant change expected through 2055. However, a slight increase in the number of fire danger days is projected through mid-century.

For all four seasons, little change is noted in both fuel moisture and the number of fire danger days except for the spring where a slight increase in fire danger days is expected through mid-century.

For summer and fall, fuel moisture values have changed little since the 1990s and are not expected to change significantly through the mid-century period. Meanwhile, the number of fire danger days has been increasing since the 1990s and will continue to increase through 2055. For winter and spring, little or no

[55] Figure as of 11/4/2022 and data source is from https://climatetoolbox.org

change has occurred in both fuel moisture or the number of fire danger days since the 1990s, nor are they expected to through 2055.

For summer and fall, fuel moisture values have changed little since the 1990s and are not expected to change significantly through the mid-century period. Meanwhile, the number of fire danger days has been increasing since the 1990s and will continue to increase through 2055. For winter and spring, little or no change has occurred in both fuel moisture or the number of fire danger days since the 1990s, nor are they expected to through 2055.

During the winter, little change in both fuel moisture and fire danger days is noted through the entire time period. Fuel moisture changes little in the spring but the number of fire danger days increases slightly by mid-century. In the summer, fuel moisture changes little, but there is a notable increase in the number of fire danger days through mid-century. In the fall, fuel moisture changes little through the period, and while the number of fire danger days shows no change from the 1990s to 2025, an increase is expected by the middle of the century.

For summer and fall, little or no change has occurred in fuel moisture since the 1990s, nor is it expected to through 2055. However, the number of fire danger days has increased slightly since the 1990s and will continue to do so through the middle part of the century. For winter and spring, fuel moisture values have changed little since the 1990s and are not expected to change significantly through the mid-century period. Meanwhile, the number of fire danger days has been increasing since the 1990s and will continue to increase through 2055.

While fuel moisture changes little across all four seasons from the 1990s through mid-century, the number of fire danger days increases through mid-century during the summer and fall, with little change or a very slight increase during the winter and spring.

While fuel moisture values during the summer and fall are expected to decrease very slightly through 2055, the number of fire danger days is expected to increase sharply through this same time period. For winter and spring, little or no change has occurred in both fuel moisture or the number of fire danger days since the 1990s, nor are they expected to through 2055.

For summer, little or no change has occurred in both fuel moisture or the number of fire danger days since the 1990s, nor are they expected to through 2055. For winter, little change in fuel moisture has occurred since the 1990s, but it is expected to decrease by mid-century. Meanwhile. Little change was noted in the number of fire danger days from the 1990s to 2055. For spring and fall, fuel moisture changes little through the period while the number of fire danger days steadily increases through the period.

For all four seasons, fuel moisture values have changed little since the 1990s and are not expected to change significantly through the mid-century period. Meanwhile, the number of fire danger days has been increasing since the 1990s and will continue to increase through 2055.

For the summer and winter, little or no change has occurred in fuel moisture since the 1990s, nor is it expected to through 2055. However, while little change was noted in the number of fire danger days from the 1990s, a slight increase is expected to occur by 2055. For the spring and fall, fuel moisture changes little through the period while the number of fire danger days increases slightly through the period.

For the fall and winter, little or no change has occurred in both fuel moisture or the number of fire danger days since the 1990s, nor are they expected to through 2055. For the spring and summer, fuel moisture changes little through the period while the number of fire danger days steadily increases through the period.

While fuel moisture changes little across all four seasons from the 1990s through mid-century, the number of fire danger days increases during the fall and winter, with little change during the spring and summer.

For summer and fall, little or no change has occurred in fuel moisture since the 1990s, nor is it expected to through 2055. However, the number of fire danger days has increased slightly since the 1990s and will continue to do so through the middle part of the century. For winter and spring, little or no change has occurred in both fuel moisture or the number of fire danger days since the 1990s, nor are they expected to through 2055.

For summer and fall, fuel moisture has changed little since the 1990s, but is expected to lower through 2055, while the number of fire danger days will steadily increase through the middle part of the century. For winter and spring, little or no change has occurred in both fuel moisture or the number of fire danger days since the 1990s, with little change expected through 2055.

For all four seasons, fuel moisture changes little through the period however, in the fall and the winter, the number of fire danger days increases through 2055 with little change noted otherwise.

5.3.5 Topography

The electrical corporation must provide an overview and brief description of the various topographic conditions across its service territory.

SCE's service territory contains several prominent mountain topographic regions, several of which play a significant role in spatial patterns of fuel and wind driven wildfires activity.

The Sierra Nevada Mountains run north south through the northern portion of SCE's service territory. This mountain range is predominately impacted by winds running parallel to the mountain slopes and is bounded by the San Joaquin Valley to the west.

East of the Sierra Nevada mountains, the upper high desert regions include Owens Valley, which are bounded by the White mountains.

Basin and Range topography, including Death Valley and the Mojave Desert, dominate the high desert regions south of Owens Valley.

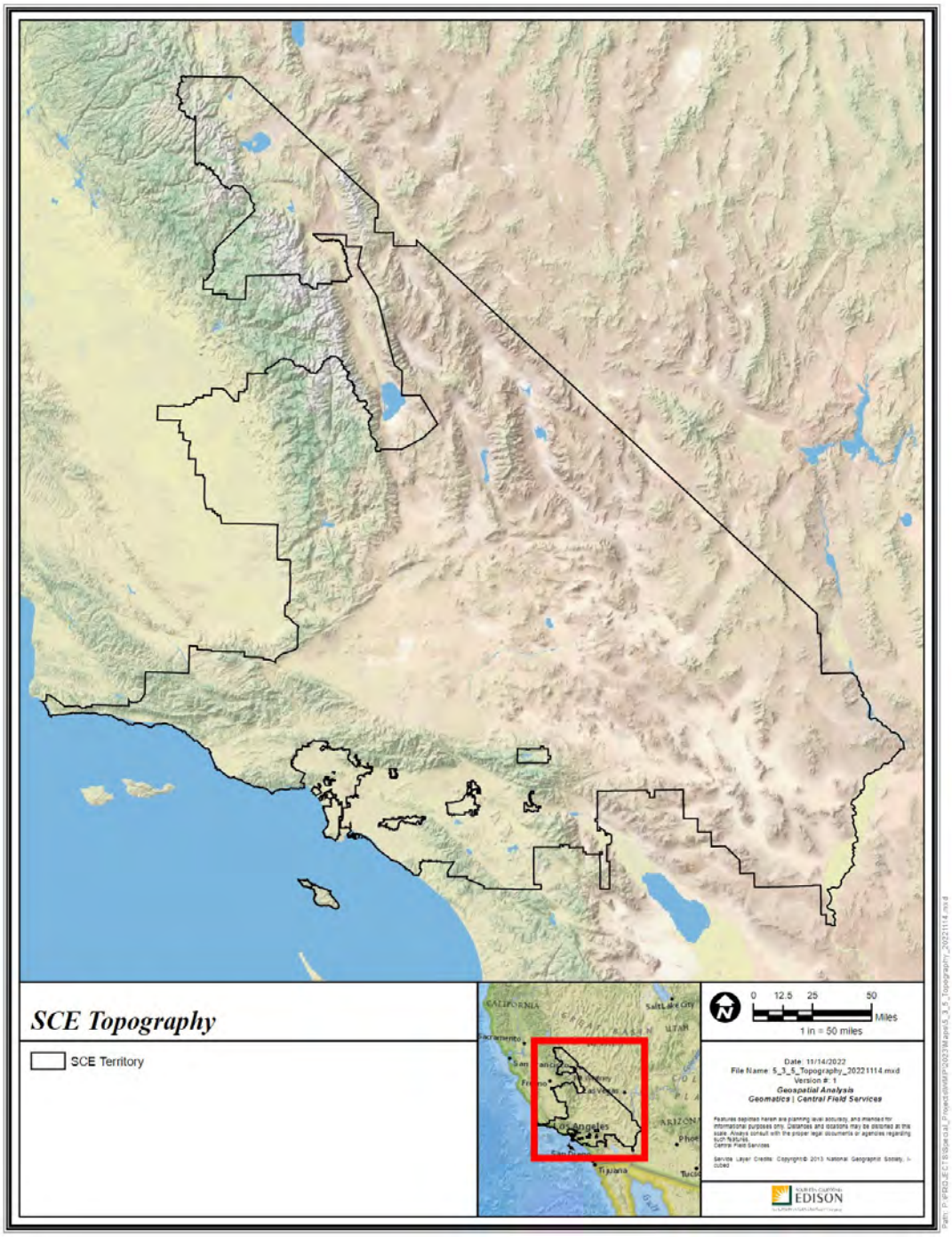
Several other mountain ranges traverse SCE's service territory from east to west. These mountain ranges are the (from east to west) Santa Ynez Mountains, Santa Monica Mountains, San Gabriel Mountains, and San Bernardino Mountains. The San Jacinto Mountains taper southeast from the San Bernardino Mountains, dividing the Colorado Desert from the low desert of the Inland Empire.

The spaces between these mountains form passes such as the Tejon, Acton, Cajon, and Banning Passes, which are the locations in which Santa Ana wind driven fire events are prominent in SCE's service territory.

Additionally, some of the coastal mountain ranges, namely the San Ynez and Santa Monica mountains are features which play a major role in the formation of Sundowner winds. Finally, the Peninsular Ranges which separate the Inland Empire from the urbanized coastal plain of Los Angeles and Orange Counties. These mountains are also subject to stronger fuel and wind driven fire events.

Figure SCE 5-06 below shows the illustration of the topography of SCE service territory. The source data for this map is available through ArcMap, ArcGIS Pro, and ArcGIS Online products in form of a base map.

Figure SCE 5-06 - Topography of SCE Service Territory[56]



[56] Map is as of 12/5/2022 and data source is from ESRI base map (USA Topo Map).

5.4 Community Values at Risk

In this section of the WMP, the electrical corporation must identify the community values at risk across its service territory. Sections 5.4.1–5.4.5 provide detailed instructions.[57]

5.4.1 Urban, Rural, and Highly Rural Customers

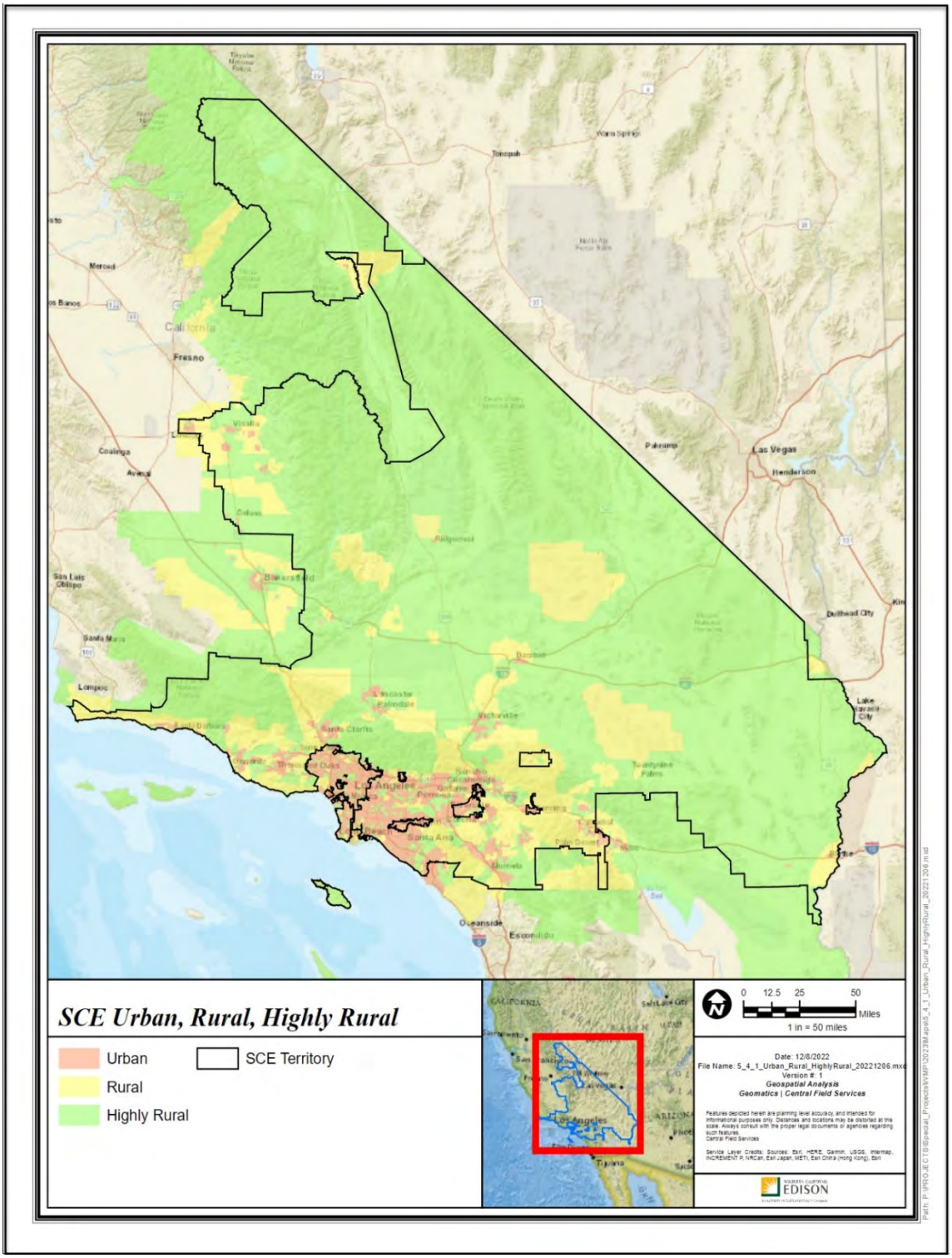
The electrical corporation must provide a brief narrative describing the distribution of urban, rural, and highly rural areas and customers across its service territory. Refer to Appendix A for definitions.

SCE serves approximately 5.2 million customers, approximately 87% (4.5 million) of which are located in urban areas; 11.6% (0.6 million) in rural areas, and 0.7% (0.04 million) in highly rural areas. Urbanized areas include the North Coast (Ventura and Santa Barbara Counties); the Los Angeles Basin, Orange County, and the Inland Empire (Western San Bernardino and Riverside Counties). Rural and Highly Rural Populations are dispersed across wide swaths of the High Desert and High Sierras, including parts of Tulare, Kern, Mono, Inyo, and the Eastern parts of San Bernardino and Riverside Counties.

Figure SCE 5-06 below shows the urban, rural, and highly rural customer distributions (raster or polygon) across SCE service territory. The source data for this map is publicly available from the United States Census Bureau and the spatial data can be downloaded at https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-geodatabase-file.2020.html.

[57] Annual information included in these sections must align with Table 7 of the QDR.

Figure SCE 5-07 - Urban, Rural, and Highly Rural Customer Distributions across SCE Service Territory[58]



[58] Map as of 12/8/22 and data source is from 2020 Census Tract (https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-geodatabase-file.2020.html).

5.4.2 Wildland-Urban Interfaces

The electrical corporation must provide a brief narrative describing the wildland-urban interfaces (WUIs) across its service territory. Refer to Appendix A for definitions.

The Wildland Urban Interfaces (WUIs) are areas of urbanized developments adjacent to wildland vegetation. Since the late 1970s, the spatial patterns of housing development in most of the United States, and more prominently in Southern California, have largely been characterized by the housing development in these locations. Roughly one-third of SCE customers reside in WUI locations. The primary locations of the WUI in SCE's service territory include the areas adjacent to the urban periphery of the Santa Barbara, Los Angeles, Orange, San Bernardino, and Riverside counties.

New WUI areas are created as new housing development occurs in, or near, wildland vegetation, or when wildland grows near vegetation. However, as development continues into the WUI, additional populations are exposed to potential wildfires.

WUI locations can be classified into two broad categories - WUI interface (WUI) and WUI intermix (WUIx). The WUI Interface is characterized by a clear delineation between the built environment and wildland vegetation. A suburban neighborhood immediately adjacent to wild grasses and shrubs, such as those located south of the Angeles National Forest is a prime example of the WUI Interface. Conversely, in WUI intermix locations, there is not a clear delineation between the urbanized (built) and wildland (unbuilt) environment. WUIx locations are characterized by rural or highly rural structures interspersed with wildland vegetation. Examples of WUIx locations include the rural communities in the San Bernardino National Forest.

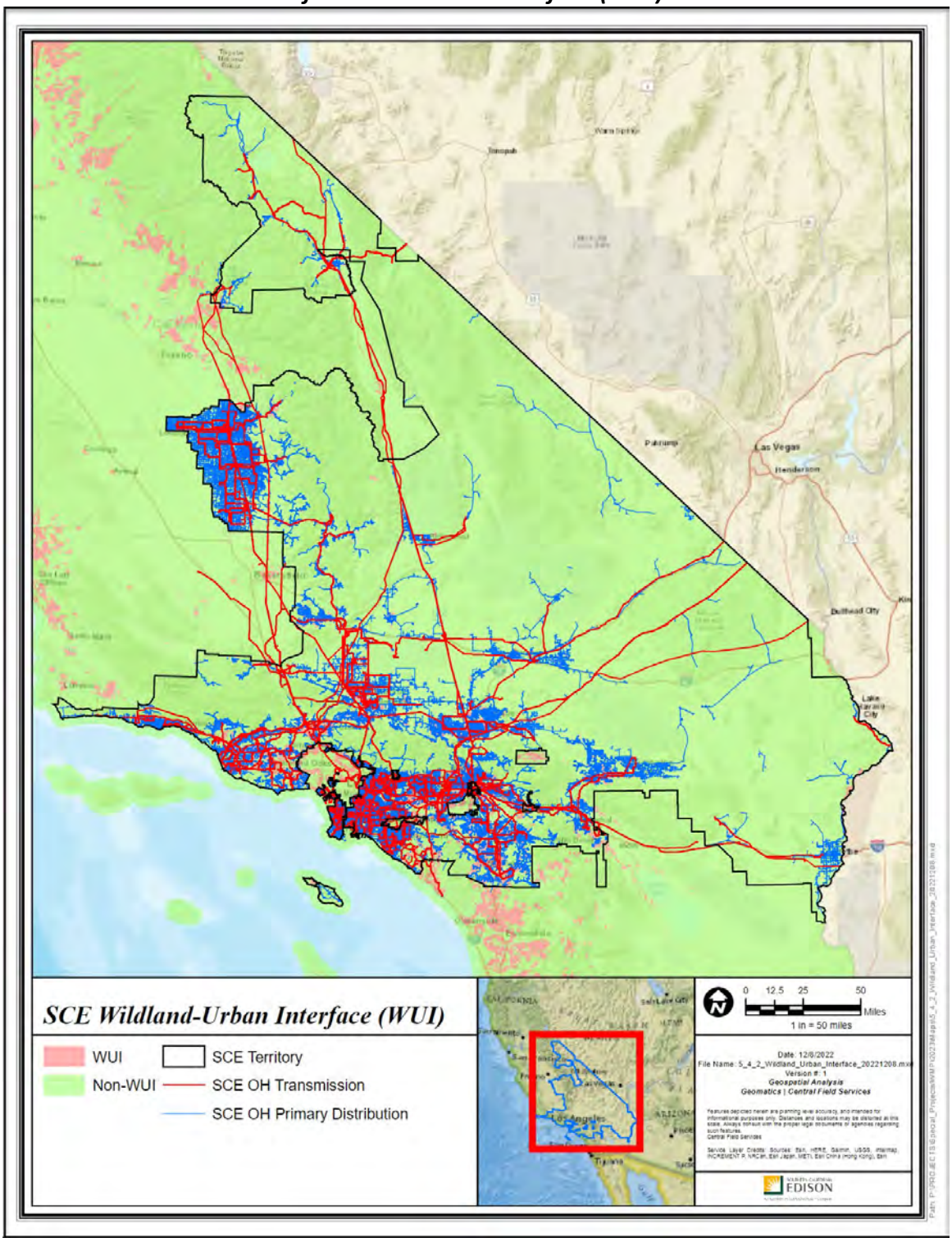
Table SCE 5-01 provides the total area of SCE service territory and number of customers and circuit miles in WUIs.[59] Further, Figure SCE 5-07 below shows the distribution of WUIs (raster or polygon) and overhead transmission and distribution circuit miles across SCE service territory. The source data for this map is publicly available from the University of Wisconsin-Madison (Silvis Lab) and the spatial data can be downloaded at http://silvis.forest.wisc.edu/data/wui-change-2020/.

Table SCE 5-01 - Number of SCE Customers and Circuit Miles in Wildland Urban Interface (WUI)

Wildland-Urban Interfaces (WUIs)	SCE Customers	SCE Circuit Miles
Non-WUIs	3,438,975	54,453
WUIs	1,755,161	27,877
Total	**5,194,136**	**82,330**

[59] The metrics provided include all transmission and primary distribution circuits, including overhead and underground.

Figure SCE 5-08 - Distribution of Wildland Urban Interface (WUI) across SCE Service Territory[60]



[60] Map as of 12/8/22 and data source is from University of Wisconsin-Madison (Silvis Lab) - 2020 http://silvis.forest.wisc.edu/data/wui-change-2020/.

5.4.3 Communities at Risk from Wildfire

In this section of the WMP, an electrical corporation must provide a high-level overview of communities at risk from wildfire as defined by the electrical corporation (e.g., within the HFTD and HFRA). This includes an overview of individuals at risk, AFN customers, social vulnerability, and communities vulnerable because of single access/egress conditions within its service territory. Detailed instructions are provided below.

5.4.3.1 Individuals at Risk from Wildfire

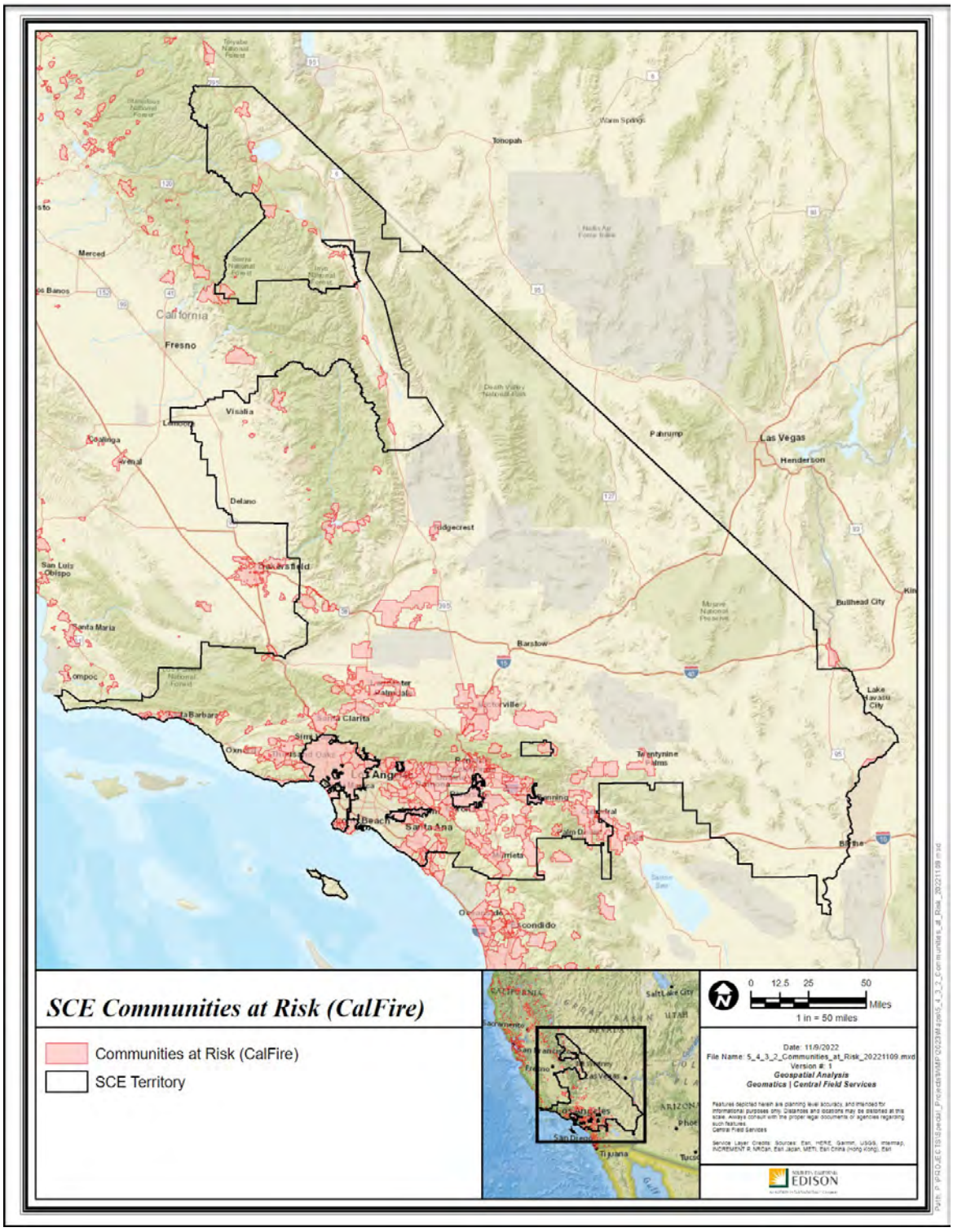
The electrical corporation must provide a brief narrative (one to two paragraphs) describing the total number of people and distribution of people at risk from wildfire across its service territory.

1. Communities At Risk

Communities at Risk (CARs) are those communities designated by the California Department of Forestry and Fire Prevention (CalFire) that are within, or adjacent, to Wildland Urban Interface (WUI). SCE provides electric service in 193 cities and communities throughout Southern California, the majority of which have been wholly or partially designed as a Community at Risk (CAR). SCE notes that, in many cases, only a portion of these communities intersect with the Commission designated High Fire Threat District (HFTD).

To be considered as a CAR, individual communities must submit an application outlining risk factors specific to their community. These factors include known local fire behavior potential, terrain complexity, and population egress challenges. Once a community is designated as a CAR, they are prioritized for state and federally funded fuel treatments projects. Figure SCE 5-09 below shows the distribution of communities at risk from wildfire across SCE service territory. The source data for this map is publicly available from the CAL FIRE and the spatial data can be downloaded at https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/fire-plan/communities-at-risk/.

Figure SCE 5-09 - Distribution of Communities across SCE Service Territory[61]



[61] Map as of 12/8/22 and data source is from CalFire (https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/fire-plan/communities-at-risk/).

2. Individuals At Risk

SCE provides service to over approximately 15 million customers through 5.2 million customer accounts. SCE's service area includes densely populated portions of Los Angeles and Orange counties not otherwise served by municipal electric utilities.[62] As stated in the previous section, roughly one third of these customers reside in the WUI. Figure SCE 5-10 below shows the distribution of individuals at risk from wildfire across SCE service territory. The source data for this map is publicly available from the United States Census Bureau and the spatial data can be downloaded at https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-geodatabase-file.2020.html.

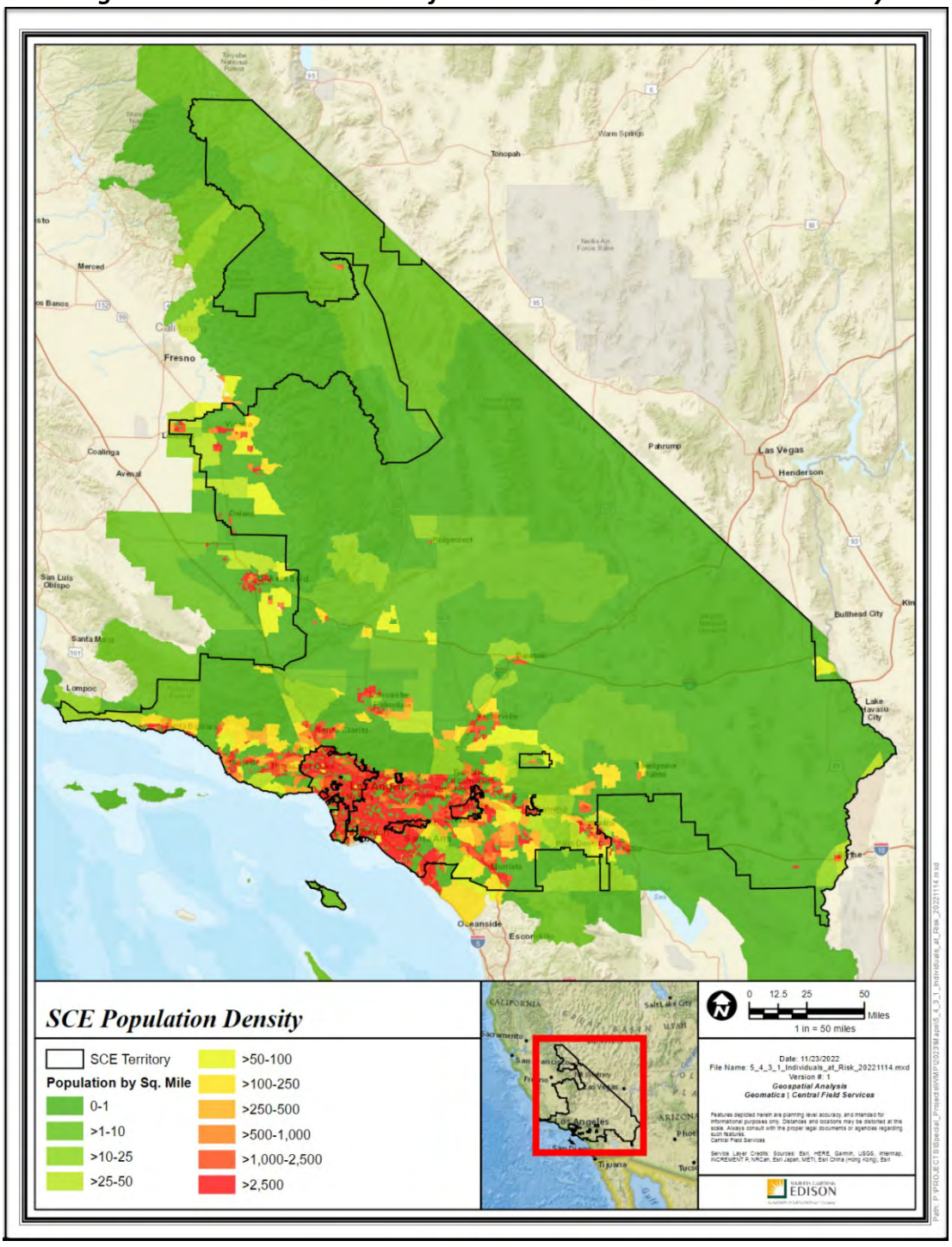
3. Access and Functional Needs

SCE leverages internal customer enrollment data from customer programs and services and demographic designations SCE has on record that match the definition of an Access and Function Needs (AFN) customer. See Section 8.5.3 for additional details on AFN data tracked in our systems.[63] In SCE's service territory, the majority of AFN customers are located in more urbanized/non-WUI locations. Figure SCE 5-11 below shows the distribution of AFN at risk from wildfire across SCE service territory.

[62] Source: 2020 U.S. Census https://mtgis-portal.geo.census.gov/arcgis/apps/MapSeries/index.html?appid=2566121a73de463995ed2b2fd7ff6eb7

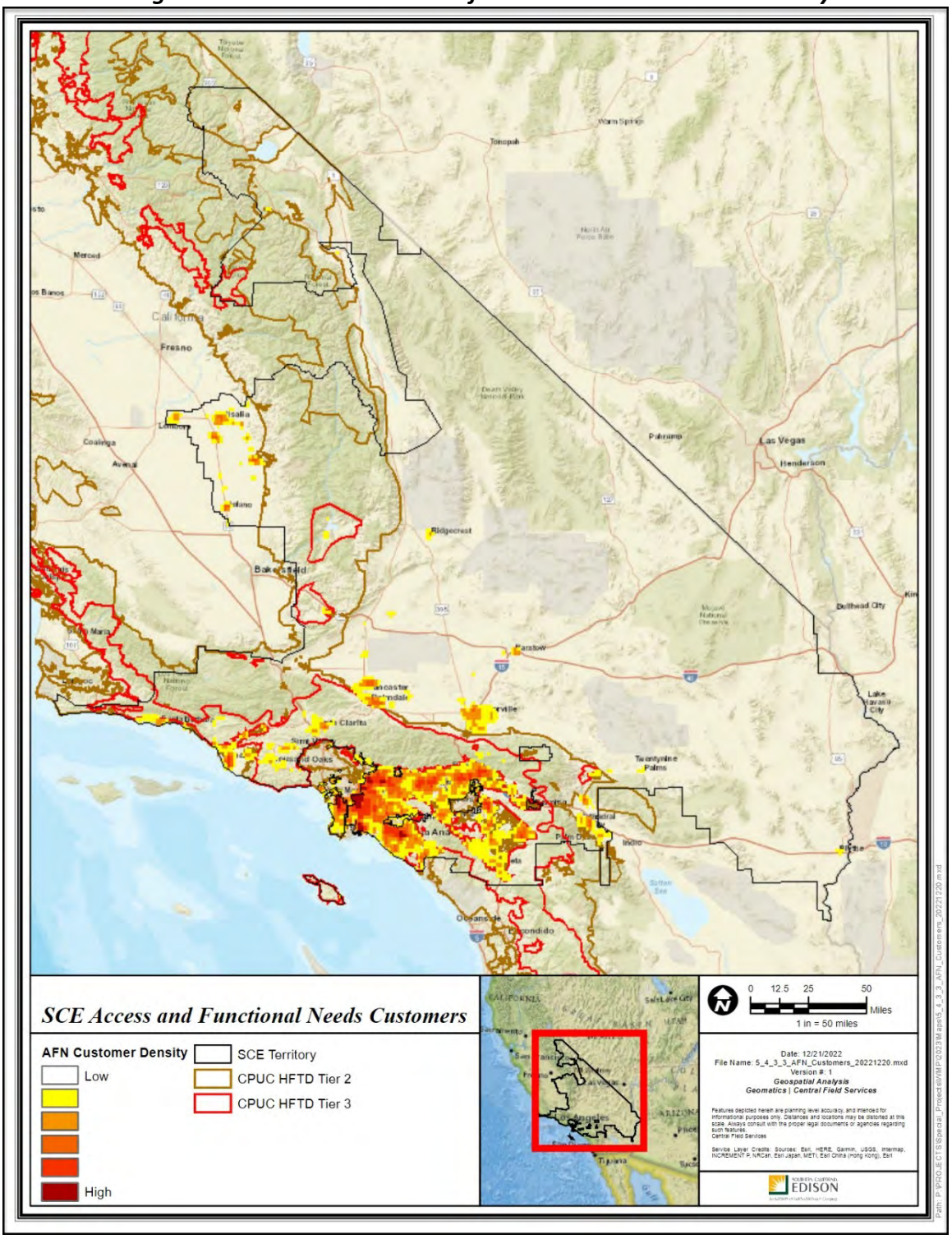
[63] SCE performed an analysis to identify the percentage of the SCE customer base that meets the definition of AFN per Government Code 8593.3(f)(1). Based on data gathered from SCE's internal systems and programs, SCE estimates that approximately 32% of its customer accounts would identify with at least one AFN category. SCE actively identifies customers as AFN that directly interface with SCE's customer programs and services. SCE launched an AFN Self-Identification pilot in 2022 to help us further identify customers and household members with access and functional needs, above and beyond customers enrolled in the Medical Baseline Allowance Program. See Section 8.5.3 for additional details.

Figure SCE 5-10 - Distribution of Individuals across SCE Service Territory[64]



[64] Map as of 12/8/22 and data source is from data source is from 2020 Census Tract (https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-geodatabase-file.2020.html)

Figure SCE 5-11 - Distribution of AFN across SCE Service Territory[65]



[65] Map as of 12/8/22. SCE has provided a spatial data for AFN in SCE service territory. Please see https://www.sce.com/safety/wild-fire-mitigation.

5.4.3.2 Social Vulnerability and Exposure to Electrical Corporation Wildfire Risk

The electrical corporation must provide a brief narrative describing the intersection of social vulnerability and community exposure to electrical corporation wildfire risk across its service territory. This intersection is defined as census tracts that 1) exceed the 70th percentile according to the Social Vulnerability Index (SVI) or have a median household income of less than 80 percent of the state median, and 2) exceed the 85th percentile in wildfire consequence risk according to the electrical corporation's risk assessment(s).[66]

For SVI, the electrical corporation must use the most up-to-date version of Centers for Disease Control and Prevention/Agency for Toxic Substances and Disease Registry's Social Vulnerability Index dataset (Year = 2018;43F[67] *Geography = California; Geography Type = Census Tracts).*[68]

In addition, the electrical corporation must provide a single geospatial map showing its service territory (polygon) overlaid with the distribution of the SVI and exposure intersection and urban and major roadways. Any additional maps needed to provide clarity and detail should be included in Appendix C.

Based on the census tract level geography used in by Centers for Disease Control (CDC) Social Vulnerability Index (SVI), the majority of the socially vulnerable populations in SCE's service territory are located outside of High Fire Threat Districts (HFTD). Census tract-based geographies are inherently biased toward urbanized areas with higher population density. Therefore, the granularity of spatial data using this geography is not particularly useful in more rural locations, which are prevalent in SCE's High Fire Threat District (HFTD). For this reason, SCE has developed a circuit-based view of social vulnerability. This Access and Functional Needs (AFN)/Non-Residential Critical Infrastructure (NRCI) multiplier methodology is described in additional detail in Section 6.4.

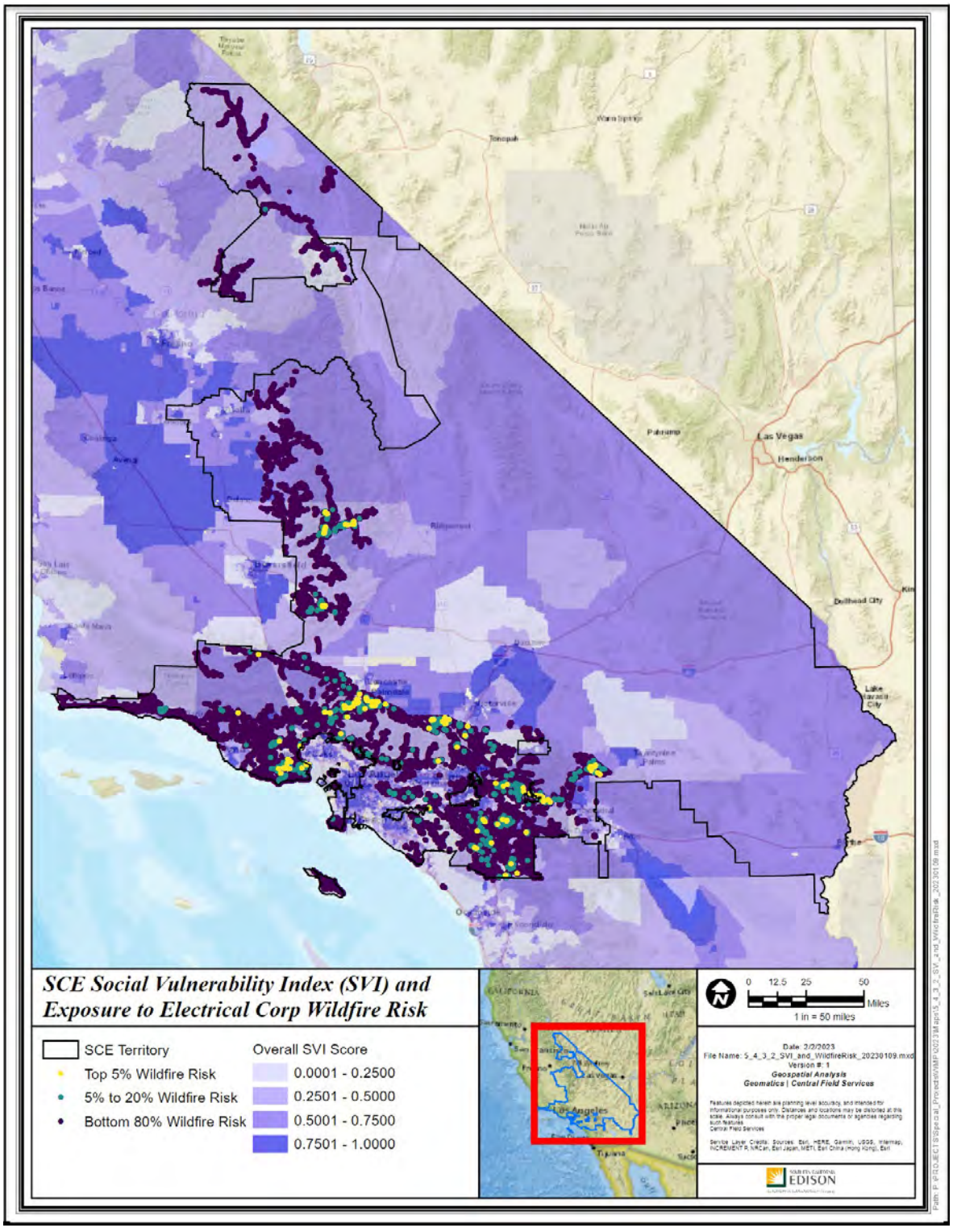
Figure SCE 5-12 below shows the distribution of the SVI and exposure intersection and urban and major roadways across SCE service territory. The source data for this map is publicly available from the Center for Disease Control and Prevention, and the spatial data can be downloaded at https://www.atsdr.cdc.gov/placeandhealth/svi/data_documentation_download.html.

[66] These criteria are derived from Cal OES Recovery Division, Hazard Mitigation Assistance Branch's Multiple Hazards and Social Vulnerability Analysis, dated January 18, 2022: https://www.caloes.ca.gov/wp-content/uploads/Recovery/Documents/Socially-Vulnerable-and-High-Hazard-Risk-Community-Criteria.-Methodology.pdf & https://calema.maps.arcgis.com/apps/dashboards/3c78aea361be4ea8a21b22b30e613d6e

[67] As of the publishing of these Guidelines, 2018 was the most recent version of the dataset. Electrical corporations must use the most up-to-date version of the dataset.

[68] Centers for Disease Control and Prevention / Agency for Toxic Substances and Disease Registry Social Vulnerability Index Data and Documentation Download (https://www.atsdr.cdc.gov/placeandhealth/svi/data_documentation_download.html, accessed Oct. 11, 2022).

Figure SCE 5-12 - Distribution of the SVI and Exposure Intersection and Urban and Major Roadways across SCE Service Territory[69]



[69] Map as of 01/09/23. SVI data is from Center for Disease Control and Prevention

Sub-Divisions with Limited Egress or No Secondary Egress

The electrical corporation must provide a brief narrative overview (one to two paragraphs) describing sub-divisions with limited egress or no secondary egress, per CAL FIRE data,[70] across the electrical corporation's service territory.

AB 2911 (2018) amended the California Public Resource Code 4290.5 that requires CalFire to identify subdivisions with greater than 30 housing units located in the State Responsibility Area (SRA) or a Very High Fire Hazard Severity Zones (VHFSZ) without a secondary means of population egress. Given that this bill only passed a few years ago, many of the neighborhoods in SCE's service territory have not been assessed under this program. Only select portions of Los Angeles, Orange, and Kern counties have complete assessments made available to the public. SCE has developed an alternate methodology to assess population egress with high fire frequency through its Severe Risk Areas (SRA) methodology, which is described in more detail in Section 6. As these AB2911 assessments progress, SCE will continue to review new locations to help ensure any newly identified locations are incorporated into its overall egress methodology.

Figure SCE 5-13 below shows the map of Communities Vulnerable due to Access/Egress Constraints (Polygon) across SCE Service Territory base on CAL FIRE data. The source data for this map is publicly available from the CAL FIRE and the spatial data can be downloaded at https://calfire-forestry.maps.arcgis.com/apps/webappviewer/index.html?id=a045e9e9c01c4dd7abdf14ad30646eaf.

[70] Board of Forestry and Fire Protection Subdivision Review Program (https://bof.fire.ca.gov/projects-and-programs/subdivision-review-program/, accessed Oct. 11, 2022).

Figure SCE 5-13 - Communities Vulnerable due to Access/Egress Constraints (Polygon) and Major Roadways (Polygon) across SCE Service Territory[71]

[71] Map as of 12/8/22 and data source is from CAL FIRE (https://calfire-forestry.maps.arcgis.com/apps/webappviewer/index.html?id=a045e9e9c01c4dd7abdf14ad30646eaf)

[72] Data as of 12/9/22.

5.4.4 Critical Facilities and Infrastructure at Risk from Wildfire

The electrical corporation must provide a brief narrative describing the distribution of critical facilities and infrastructure located in the HFTD/HFRA across its service territory. Critical facilities and infrastructure are defined in Appendix A.

Facilities and infrastructure deemed to be critical are those that perform essential functions to public safety. Some examples include, but are not limited to, police facilities, emergency operation centers (EOCs), fire stations, schools, shelters, telecommunications towers, and numerous other essential facilities. These facilities may require additional assistance and advanced planning to help ensure resiliency and continuity during de-energization events. SCE offers assistance to those facilities with advanced planning efforts toward their functional resiliency during de-energization and re-energization. SCE identifies Critical facilities and Infrastructure customers by utilizing the CPUC's adopted list and the North American Industry Classification System (NAICS) process. NAICS allows us to verify the sectors identified by the CPUC. SCE then verifies customer data against the NAICS.

SCE has approximately 21,000 Critical Facilities in its HFRA. The County of Los Angeles has approximately 6,000 facilities with Riverside and San Bernardino Counties having approximately 4,000 and 3,000 facilities, respectively.

Figure SCE 5-14 shows the distribution of critical facilities and infrastructure by county, and Figure SCE 5-15 hows the distribution of critical facilities and infrastructure by type. Further, Figure SCE 5-15 below shows the critical facilities (point data) and critical infrastructure (points and/or lines, as appropriate) across SCE service territory (polygon).

Figure SCE 5-14 - Distribution of Critical Facilities and Infrastructures across SCE HFRA Territory By Counties[72]

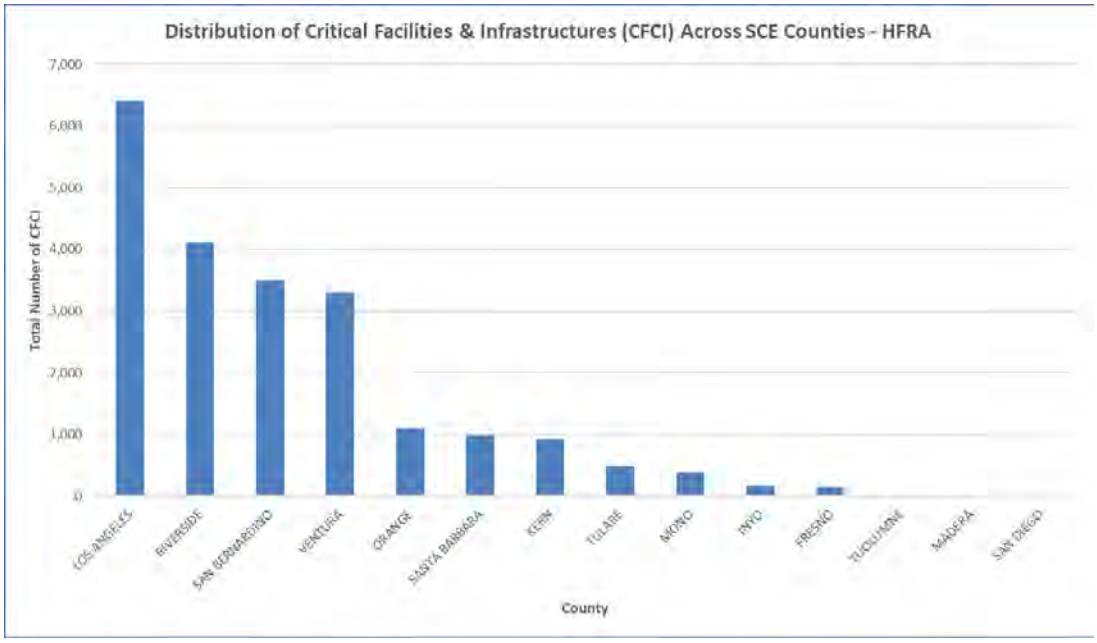
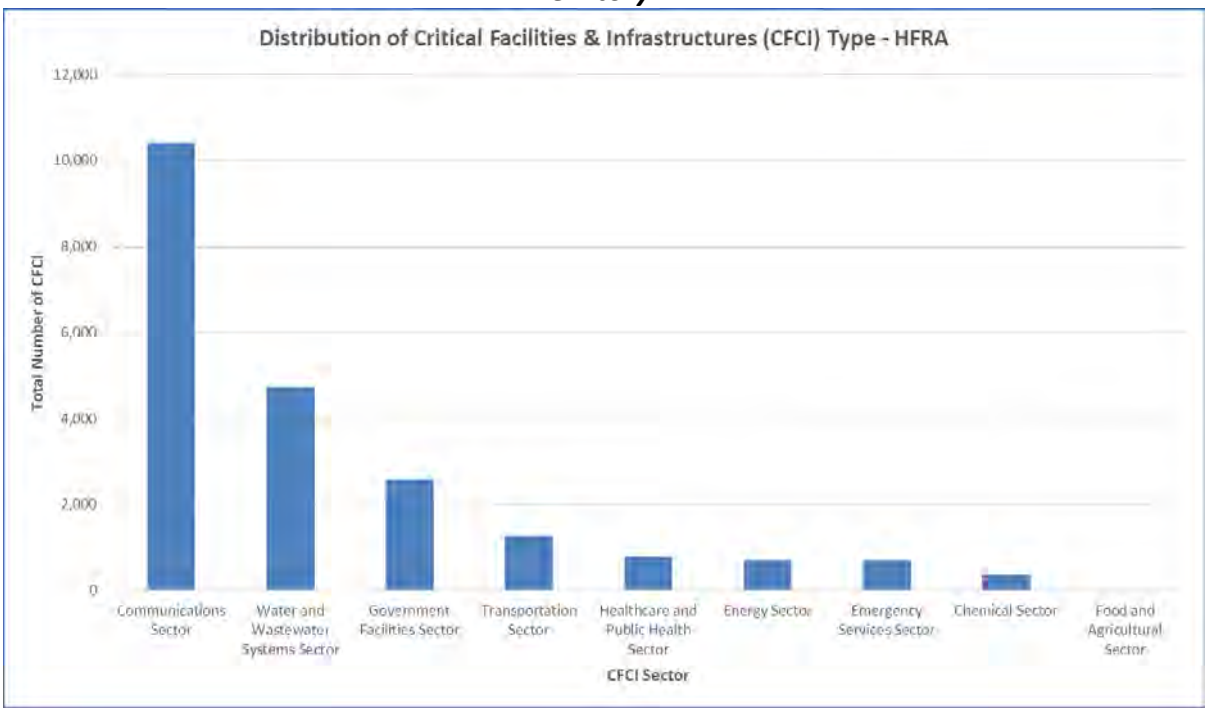
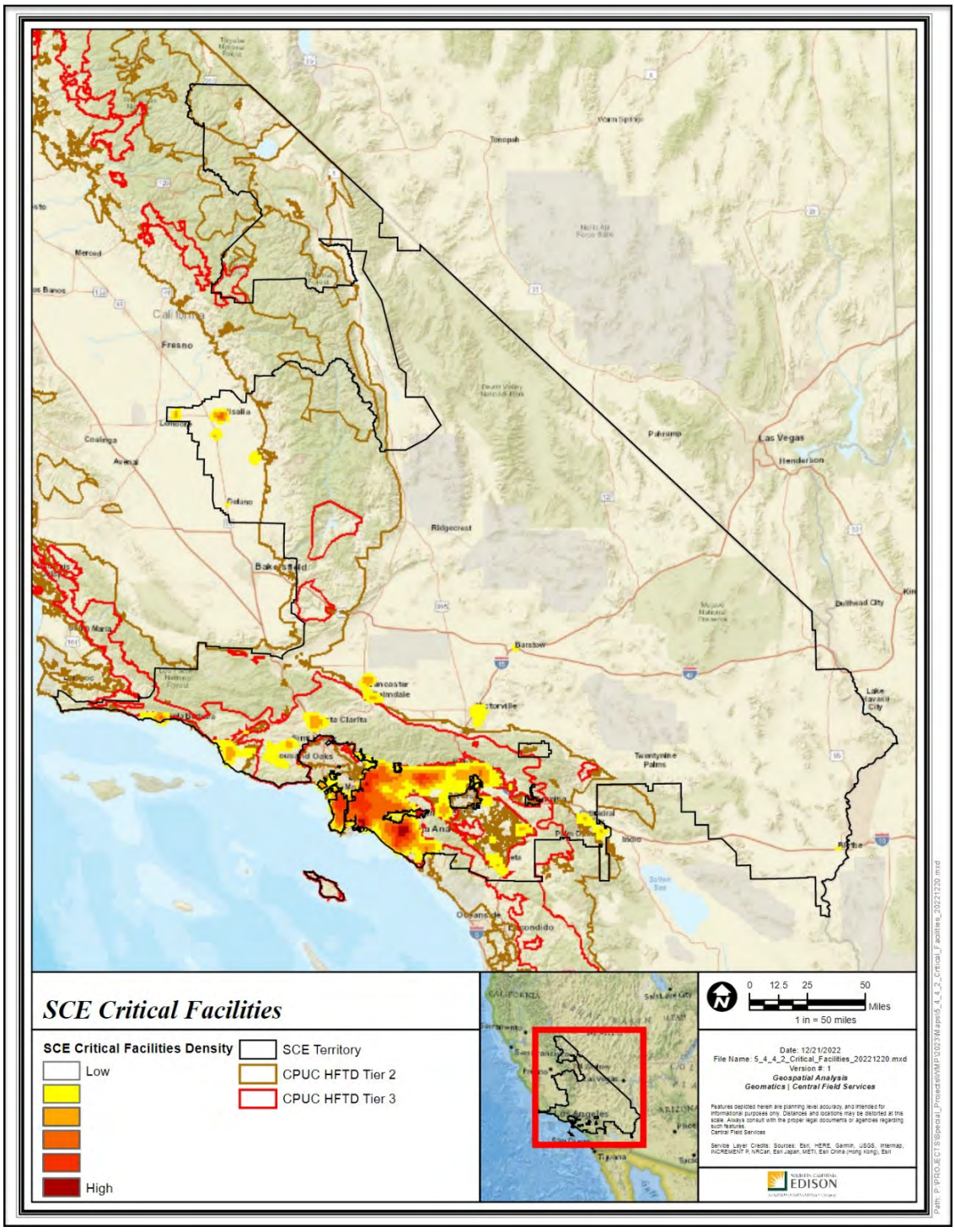


Figure SCE 5-15 Distribution of Critical Facilities and Infrastructures Type across SCE HFRA Territory[72]



[72] Data as of 12/9/22.

Figure SCE 5-16 - Distribution of Critical Facilities and Infrastructures Across SCE Service Territory[73]



[73] Map as of 12/8/22. SCE has provided a spatial data for SCE Critical Facilities. Please see https://www.sce.com/safety/wild-fire-mitigation.

5.4.5 Environmental Compliance and Permitting

In this section, the electrical corporation must provide a summary of how it ensures its compliance with applicable environmental laws, regulations, and permitting related to the implementation of its WMP. This overview must include:

- *A description of the procedures/processes to ensure compliance with relevant environmental laws, regulations, and permitting requirements before and during WMP implementation. The process or procedure should include when consultation with permittees occurs (i.e., at what stage of planning and/or implementation of activities described in the WMP)*
- *Roadblocks the electrical corporation has encountered related to environmental laws, regulations, and permitting related to implementation of its WMP and how the electrical corporation has addressed, is addressing, or plans to address the roadblocks.*
- *Any notable changes to its environmental compliance and permitting procedures and processes since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation.*

The electrical corporation must also provide a table (Table 5-6 provides an example) of potentially relevant state and federal agencies that may be responsible for discretionary approval of activities described in WMPs and the relevant environmental laws, regulations, and permitting requirements. If this table extends past two pages, provide the required information in an appendix.

Wildfire Environmental Compliance and Permitting Summary

SCE is committed to preserving and protecting the environment and implementing sustainable business practices for the benefit of the customers and communities we serve. SCE complies with applicable local, state, and federal environmental laws and regulations.

SCE Environmental Compliance Procedures and Processes

SCE's Environmental Services Department (ESD) evaluates work activities associated with the WMP to identify the potential for impacts to agency regulated environmental resources (regulated environmental resources) (i.e., archaeological, cultural, biological species, wetlands and waterways, etc.) and any existing agency permit conditions that may be applicable.

The environmental review process is initiated after the work activity has been identified and the scoping for performing the work activity has been completed. After receiving the planned work activity, ESD performs a multi-tiered evaluation, beginning with desktop screening that uses project location information to determine whether the project intersects with known regulated environmental resources identified in publicly available agency databases or past environmental survey data gathered by SCE. If there are no intersects with known regulated environmental resources, the operations team receives approval to proceed with scheduling and implementation following standard environmental requirements designed to ensure work is performed in a way that protects the environment and ensures compliance.

Crews are responsible for reviewing and understanding the requirements prior to implementation, and if they encounter any unforeseen conditions, they are instructed to call for support. If there are intersects with existing agency permits or known regulated environmental resources, the project is further analyzed by ESD to determine the need for environmental impact avoidance/minimization measures and agency review, permitting, and approval. If the project requires agency permitting or review and approval, ESD gathers the required information to initiate such consultation.

After agency review and approval or permitting is complete, ESD sends agency environmental requirements to the operations team for scheduling and execution of the work. Environmental requirements may include pre-activity environmental surveys and/or environmental monitoring during implementation. In these cases, the operations team coordinates with ESD to schedule qualified personnel to perform environmental surveys and monitoring.

SCE also has processes to inspect projects that are on-hold pending environmental or agency review and approval. For example, if an equipment inspection identifies a Priority 1 (P1 - emergency condition), SCE will remediate the P1 condition pursuant to GO95 and will notify the appropriate agency and file any after-the-fact permits that may be necessary.

Roadblocks

Activities to address wildfire risk often occur in locations that require additional environmental review, protection, or permitting. For example, the work can occur in environmentally sensitive areas and on lands administered by State and Federal agencies, requiring coordination with such agencies. Environmental permitting and approval of work in these areas can present significant challenges to the timely execution of work. Reasons for these challenges vary by each agency's rules and available resources. However, some frequently encountered issues include:

- Environmental regulations that do not provide clear guidance on permitting processes and criteria for approval, resulting in different interpretations of a regulation within an agency (e.g., between differing regions, and/or between the regions and headquarters) and delays and/or denials of discretionary permits.
- Agency staffing, resources, and funding shortages to support and prioritize utility permits.
- Long agency processing times given their required administrative/regulatory processes (e.g., 18 months to obtain a temporary right-of-way permit).

Actions to Address Challenges

SCE is continuing to enhance its agency-specific strategies to address permitting challenges. SCE anticipates that the development of broader, long-term permits, streamlined permit processes, and exemption pathways that allow for low environmental risk, high volume utility wildfire and compliance work to proceed in a more efficient manner will be key elements in most agency-specific strategies. In the near-term, when significant issues arise, SCE escalates those issues with the agency and attempts to resolve them as soon as possible. Below, SCE has identified how we are working (or plan to work) in partnership with some key agencies to address permitting.

Forest Service Master Special Use Permit (MSUP)

The Forest Service MSUP continues to be an important tool to facilitate SCE's work. SCE is now focusing on how to improve the efficient use of this permit, including addressing greater consistency in agency execution, expanding the scope of the permitted activities, and obtaining approvals within expected timeframes. SCE is working with agencies to add staff at key forests and at the regional level, through cost recovery agreements, to provide dedicated staff to support review and approval of projects. This should reduce delays due to staffing shortages. SCE is increasing its external engagement with agency leadership to share priorities, signal upcoming changes, discuss concerns and solutions, and gain consensus for a path forward. For example, SCE flagged to the agency's senior leadership that fuel management remains a key challenge and the agency is now working with multiple stakeholders to address this key issue.

Bureau of Land Management (BLM)

SCE worked with the California State Office to obtain a 5-year Instruction Memorandum, which allows utilities to carry-out wildfire mitigation work without waiting for approval (though after-the-fact reporting requirements apply). This has significantly decreased agency permitting time pending the issuance of an Operations and Maintenance Plan, which is currently under development. Specifically, SCE has been working with the BLM in the Bakersfield Office on a pilot for an Operations and Maintenance Plan that can be rolled out more broadly within the agency once completed in 2023. SCE also is increasing its external engagement with agency leadership to share priorities, signal upcoming changes, discuss concerns and solutions, and gain consensus for a path forward.

California Department of Fish and Wildlife (CDFW)

SCE and CDFW share the goals of reducing wildfire risks by completing grid resiliency projects, decreasing turnaround time for permits, protecting California's natural resources, and minimizing the impact of our projects on fish and wildlife. SCE is considering several possible tools and actions that could help and we look forward to continuing our work with CDFW to realize these mutual goals.

Some possible actions include: (1) increasing our portfolio of permits to include broader, long-term permits, additional incidental take permits covering all activities with impact within covered species' habitats and more streamlined permit processes, (2) increasing agency staffing and training to support permit development and more efficient permit processing, and (3) increasing agency leadership participation and input, including through formal agency guidance, definition of key terms and standardization of processes.

As with the Forest Service and BLM, SCE is increasing its engagement with CDFW agency leadership, and will share ideas regarding possible solutions to facilitate processes for both agency and utility staff, while supporting the core mission of the agency.

As mentioned above, across these key agencies, we will continue to evaluate our own internal processes and seek feedback from agencies to help ensure smoother transactions from SCE's part as well.

Notable Changes, Including Planned Improvements

SCE is exploring ways to optimize the work management processes to implement WMP activities outside of seasonal limited operating periods (LOPS) associated with environmental resources (i.e., threatened or endangered species).

SCE has recently obtained incidental take permits for Yosemite Toad and Arroyo Toad and is currently finalizing permits for Pacific Fisher, San Bernardino Kangaroo Rat, and Santa Catalina Island Fox, which will provide greater operational flexibility in key regions. SCE is also applying for a Master Streambed Alteration Agreement for work in CDFW jurisdictional waters (estimated permit approval in 2024).

Relevant Federal Environment Laws, Regulations, and Permitting Requirements

SCE obtains environmental permits and approvals from governmental agencies to comply with environmental laws and regulations. Table 5-6 and Table 5-7 below provide the relevant state and federal environmental laws, regulations and permitting requirements for implementing the WMP.

Table 5-6 - Relevant State Environmental Laws, Regulations, and Permitting Requirements for Implementing the WMP

Environmental Law, Regulation, or Permit	Responsible Permittee/Agency
California Environmental Quality Act (CEQA)	Various: State and local agencies, i.e., California Public Utilities Commission, California Department of Fish and Wildlife, Los Angeles Department of Regional Planning, etc.
Assembly Bill 52 (AB52): California Public Resources Code 21080.3.2	Various: State and local agencies, i.e., California Public Utilities Commission, California Department of Fish and Wildlife, Los Angeles Department of Regional Planning, etc.
California Endangered Species Act (CESA)	California Department of Fish and Wildlife
California Fish and Game Code § 3800 [makes it unlawful to take any nongame bird (i.e., bird that is naturally occurring in California that is not a gamebird, migratory game bird, or fully protected bird)]	California Department of Fish and Wildlife

Environmental Law, Regulation, or Permit	Responsible Permittee/Agency
Native Plant Protection Act	California Department of Fish and Wildlife
California Desert Native Plants Act	California Department of Agriculture, local agencies
Lake or Streambed Alteration (LSA) California Fish and Game Code §§ 5650 - 5652 (prohibit the deposition, passage of, or disposal of deleterious materials into the waters of the state, or within 150 feet of the highwater mark of waters of the state)	California Department of Fish and Wildlife
Air Resources California Health and Safety Code §§ 39000-44474 Portable Equipment Registration Program (PERP) and Portable Engine Airborne Toxic Control Measure	California Air Resources Board and various local air agencies
California Porter-Cologne Water Quality Control Act	California State Water Quality Control Board including multiple Regional Water Quality Control Boards
California Coastal Act	California Coastal Commission including delegation of Local Coastal Programs (LCPs) to cities and counties
Various Encroachment Permits	CA Dept. of Transportation, CA Dept. Water Resources

Table 5-7 - Relevant Federal Environmental Laws, Regulations, and Permitting Requirements for Implementing the WMP

Environmental Law, Regulation, or Permit	Responsible Permittee/Agency
National Environmental Policy Act (NEPA)	Various: Federal Land Management Agencies, i.e., Bureau of Land Management, National Park Service, USFS, etc.
Federal Endangered Species Act of 1973(ESA)	United States Fish and Wildlife Service
Migratory Bird Treaty Act (MBTA)	United States Fish and Wildlife Service

Environmental Law, Regulation, or Permit	Responsible Permittee/Agency
Bald and Golden Eagle Protection Act (BGEPA)	United States Fish and Wildlife Service
Marine Mammal Protection Act (MMPA)	United States Fish and Wildlife Service
National Historic Preservation Act (NHPA)	Advisory Council on Historic Preservation/State Historic Preservation Office/Federal Lead agencies
Archaeological Resources Protection Act (ARPA)	Various: Federal Land Management Agencies, i.e., Bureau of Land Management, National Park Service, USFS, etc.
Native American Graves Repatriation Protection Act (NAGRPA)	Various: Federal Land Management Agencies, i.e., Bureau of Land Management, National Park Service, USFS, etc.
Antiquities Act of 1906	Various: Federal Land Management Agencies, i.e., Bureau of Land Management, National Park Service, USFS, etc.
Paleontological Resources Preservation Act (PRPA)	Various: U.S. Department of the Interior, i.e., Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service, U.S. Bureau of Reclamation, etc.
Federal Clean Water Act (CWA)	Environmental Protection Agency, Army Corps of Engineers
Federal Coastal Zone Management Act	Bureau of Ocean Energy Management

6 RISK METHODOLOGY AND ASSESSMENT

In this section of the WMP, the electrical corporation must provide an overview of its risk methodology, key input data and assumptions, risk analysis, and risk presentation (i.e., the results of its assessment). This information is intended to provide the reader with a technical understanding of the foundation for the electrical corporation's wildfire mitigation strategy for its Base WMP. Sections 6.1–6.7 below provide detailed instructions.

For the 2023-2025 Base WMP, the electrical corporation does not need to have performed each calculation and analysis indicated in sections 6.2, 6.3, and 6.6. If the electrical corporation is not performing a certain calculation or analysis, it must describe why it does not perform the calculation or analysis, its current alternative to the calculation or analysis (if applicable), and any plans to incorporate those calculations or analyses into its risk methodology and assessment.

In this section, SCE describes its approach to define and analyze wildfire and PSPS risk. These risk assessments inform mitigation strategy, prioritization, selection, and scoping as described in Section 7.

In Section 6.1, SCE provides a summary of the two risk planning frameworks it uses as part of its Integrated Wildfire Mitigation Strategy (IWMS): 1) the Multi-Attribute Risk Score Framework (MARS Framework or MARS), which is used to calculate overall Wildfire and PSPS risk and risk reduction from mitigation activities, and 2) the IWMS Risk Framework, which categorizes SCE's high fire risk area into three risk tranches and is used to inform mitigation selection and scoping.

In Section 6.2, SCE explains its approach to the 17 risk components defined by the WMP guidelines. In the limited cases in which SCE uses a risk component differently than as defined by the WMP guidelines, SCE explains its reasoning.

In Section 6.3, SCE explains its approach to the risk scenarios defined by the WMP guidelines. In the limited cases in which SCE does not use a risk scenario as defined by the WMP guidelines, or uses it differently, SCE explains its reasoning.

In Section 6.4, SCE presents a summary of wildfire and PSPS risk across its service territory, including the highest risk locations and circuits. SCE also describes the HFTD review process with the CPUC and provides details on metrics as requested by the WMP guidelines.

In Section 6.5 and Section 6.6, SCE describes the mechanisms by which SCE accesses, stores, and controls wildfire and PSPS risk related information. This section also summarizes the associated quality control/quality assurance processes for risk data and risk analyses.

In Section 6.7, SCE provides its risk improvement plan, which is informed by internal assessments along with feedback from stakeholders and regulatory agencies.

SCE also notes that additional documentation on risk components and models can be found in Summary Documentation .

6.1 Methodology

In this section, the electrical corporation must present an overview of its risk calculation approach. This includes one or more graphics showing the calculation process, a concise narrative explaining key elements of the approach, and definitions of different risks and risk components.

6.1.1 Overview

The electrical corporation must provide a brief narrative describing its methodology for quantifying its overall utility risk of wildfires and PSPS. This methodology will help inform the development of its wildfire mitigation strategy (see Section 7). The electrical corporation must describe the methodology and underlying intent of this risk assessment in no more than five pages, inclusive of all narratives, bullet point lists, and any graphics.

SCE uses two risk planning frameworks:

The MARS Framework is used to calculate overall utility risk from both wildfire and PSPS. The MARS Framework converts PSPS risk (PSPS Likelihood and PSPS Consequence) and Wildfire risk (Probability of Ignition and Wildfire Consequence) into a unitless risk score based on the principles in the S-MAP Settlement. The MARS Framework allows SCE to define and evaluate overall utility risk, and to compare mitigations and alternatives to each ignition driver and sub-driver on the basis of risk reduction and cost effectiveness.

The IWMS Risk Framework defines three risk tranches within SCE's HFRA based on potential consequences should an ignition occur at a specific utility asset location. This analysis includes elements such as potential egress constraints and Communities of Elevated Fire Concern (CEFC). The IWMS Risk Framework is anchored on wildfire consequence should an ignition occur and does not adjust consequences based on the probability of ignition. SCE takes this approach because probability of ignition changes over time due to many variables such as age, loading, etc. Furthermore, in some locations the consequences of an ignition that leads to a wildfire may be so extreme that it is prudent to mitigate ignition risk regardless of probability.

After mitigations have been evaluated and selected under the MARS Framework, SCE uses this preferred list of mitigations in combination with the IWMS Risk Framework as a key input to determine the location, scale, scope, and frequency for each mitigation based on the three tranches of forecasted wildfire consequence severity. The IWMS Risk Framework supports SCE's strategy to deploy mitigations commensurate with the level of consequence from a safety, financial, and reliability perspective within each location of its high fire risk area.

In Section 6.2.1, SCE further explains these two frameworks, and provides two diagrams that are intended to illustrate how each framework uses the individual risk components defined by the WMP guidelines. Each diagram should be considered as unique to its respective framework.

6.1.2 Summary of Risk Models

In this section, the electrical corporation must summarize the calculation approach for each risk and risk component identified in Section 6.2.1. This documentation is intended to provide a quick summary of the models used. The electrical corporation must provide the following information:

- ***Identification (ID)****: Unique shorthand identifier for the risk or risk component.*
- ***Risk component:*** *Unique full identifier for the risk or risk component.*
- ***Design scenario(s)****: Reference to design scenarios evaluated with the model to calculate the risk or risk component. These must be defined in Section 6.3.*
- ***Key inputs****: List of key inputs used to evaluate the risk or risk component. These can be in summary form (e.g., the electrical corporation may list "equipment properties" rather than listing out equipment age, maintenance history, etc.).*
- ***Sources of inputs****: List of sources for each input parameter. These must include data sources (such as LANDFIRE) and modeling results (such as wind predictions) as relevant to the calculation of the risk or risk component. If the inputs come from multiple sources, each source should be on a new line.*
- ***Key outputs****: List of outputs calculated for the risk or risk component.*
- ***Units****: List of the units associated with the key outputs.*

Table 6-1 provides a template for the required information. The electrical corporation must provide a summary of each model in Appendix B.

Table 6-1 - SCE's Summary of Risk Models

ID[74]	Risk Component	Design Scenario(s)	Key Inputs	Source of Inputs (Data and/or Models)	Key Outputs	Units
R1	Overall Utility Risk	WL1, WL2, WC2, VC1, VC3	Combination of Ignition Risk (R2) and PSPS Risk (R3)	See descriptions for individual risk components	Overall wildfire and PSPS risk	MARS units
R2	Ignition Risk	Same as R1	Product of Ignition Likelihood (IRC1) and Wildfire Consequence (IRC3)	See descriptions for individual risk components	Wildfire risk per asset	MARS units
R3	PSPS Risk	Same as R1	Product of PSPS Likelihood (IRC4) and PSPS Consequence (IRC5)	See descriptions for individual risk components	PSPS risk per circuit	MARS units
IRC1	Ignition Likelihood	Same as R1	Combination of Equipment Ignition Likelihood (FRC1),	POI Model	Ignition likelihood per asset	annualized ignition probability

[74] Naming convention is based on Section 6.2.1 of the WMP Technical Guidelines: R = risk; IRC = intermediate risk component; FRC = fundamental risk component.

ID[74]	Risk Component	Design Scenario(s)	Key Inputs	Source of Inputs (Data and/or Models)	Key Outputs	Units
			Contact from Vegetation Ignition (FRC2), and Contact by Object Ignition Likelihood (FRC3)			per asset
IRC2	Wildfire Likelihood	N/A[75]	N/A	N/A	N/A	N/A
IRC3	Wildfire Consequence	Same as R1	assets, historical climatology, population, fuels, topography, buildings, wildfire vulnerability	Technosylva/Wildfire Consequence Model	Wildfire consequence for each ignition simulation in natural units (acres, buildings, population)	wildfire consequence in either natural units or MARS units
RC4	PSPS Likelihood	Same as R1	Weather and wind data, PSPS post-event reports, current de-energization criteria, existing mitigations	Weather Research and Forecasting (WRF); mitigation deployment	PSPS likelihood per circuit	PSPS likelihood per circuit
IRC5	PSPS Consequence	Same as R1	Number of customers on a circuit, Safety and Financial proxy factors	Customer database, internal claims data (financial proxy) and historical widespread outage data	PSPS consequence in natural units converted to MARS units per circuit	PSPS consequence in MARS units per circuit
FRC1	Equipment Ignition Likelihood	Same as R1	assets, outage database, historical faults/ignitions, pole loading, historical weather, wire down database, work/repair orders	SAP EAM, SAS, GE Small World/Map 3D	Ignition Likelihood	annualized ignition probability of ignition

[75] Please see Section 6.2 for SCE's approach to risk components marked as "N/A".

ID[74]	Risk Component	Design Scenario(s)	Key Inputs	Source of Inputs (Data and/or Models)	Key Outputs	Units
FRC2	Contact from Vegetation Ignition Likelihood	Same as R1	assets, outage database, historical faults/ignitions, pole loading, historical weather, wire down database, work/repair orders	SAP EAM, SAS, GE Small World/Map 3D	Ignition Likelihood	annualized ignition probability of ignition
FRC3	Contact by Object Ignition Likelihood	Same as R1	assets, outage database, historical faults/ignitions, pole loading, historical weather, wire down database, work/repair orders	SAP EAM, SAS, GE Small World/Map 3D	Ignition Likelihood	annualized ignition probability of ignition
FRC4	Burn Probability	N/A	N/A	N/A	N/A	N/A
FRC5	Wildfire Hazard Intensity	N/A	N/A	N/A	N/A	N/A
FRC6	Wildfire Exposure Potential	N/A	N/A	N/A	N/A	N/A
FRC7	Wildfire Vulnerability [76]	Same as R1	Access and Functional Needs (AFN) and Non-Residential Critical Infrastructure (NRCI) customers	Customer database and surveys	AFN and NRCI multipliers on each circuit	unitless multiplier between 1 and 2
FRC8	PSPS Exposure Potential	N/A	N/A	N/A	N/A	N/A
FRC9	PSPS Vulnerability	Same as R1	Access and Functional Needs (AFN) and Non-Residential Critical Infrastructure (NRCI) customers	Customer database and surveys	AFN and NRCI multipliers on each circuit	unitless multiplier between 1 and 2

[76] For the sake of simplicity, SCE has limited the entry for Wildfire Vulnerability in the table above to how the risk component is used in the MARS Framework. Under its IWMS Risk Framework, SCE considers additional elements of vulnerability such as egress constraints and Communities of Elevated Fire Concern. This approach is described in detail in Section 6.2.1.

6.2 Risk Analysis Framework

In this section of the WMP, the electrical corporation must provide a high-level overview of its risk analysis framework. This includes a summary of key modeling assumptions, input data, and modeling tools used.

At a minimum, the electrical corporation must evaluate the impact of the following factors on the quantification of risk:

- ***Equipment / Assets*** *(e.g., type, age, inspection, maintenance procedures, etc.)*
- ***Topography*** *(e.g., elevation, slope, aspect, etc.)*
- ***Weather*** *(at a minimum this must include statistically extreme conditions based on weather history and seasonal weather)*
- ***Vegetation*** *(e.g., type/class/species/fuel model, canopy height/base height/cover, growth rates, moisture content, inspection, clearance procedures, etc.)*
- ***Climate change*** *(e.g., long-term changes in seasonal weather; statistical extreme weather; impact of change on vegetation species, growth, moisture, etc.) at a minimum, this must include adaptations of historical weather data to current and forecasting future climate*
- ***Social vulnerability*** *(e.g., AFN, socioeconomic factors, etc.)*
- ***Physical vulnerability*** *(e.g., people, structures, critical facilities/infrastructure, etc.)*
- ***Coping capacities*** *(e.g., limited access/egress, etc.)*

SCE provides its key modeling assumptions in Section 6.2.3 (Key Assumptions and Limitations).

The factors listed above (e.g., Equipment/Assets, Topography, etc.) are summarized below in Table SCE 6-01.

Table SCE 6-01 - Risk Quantification Factors

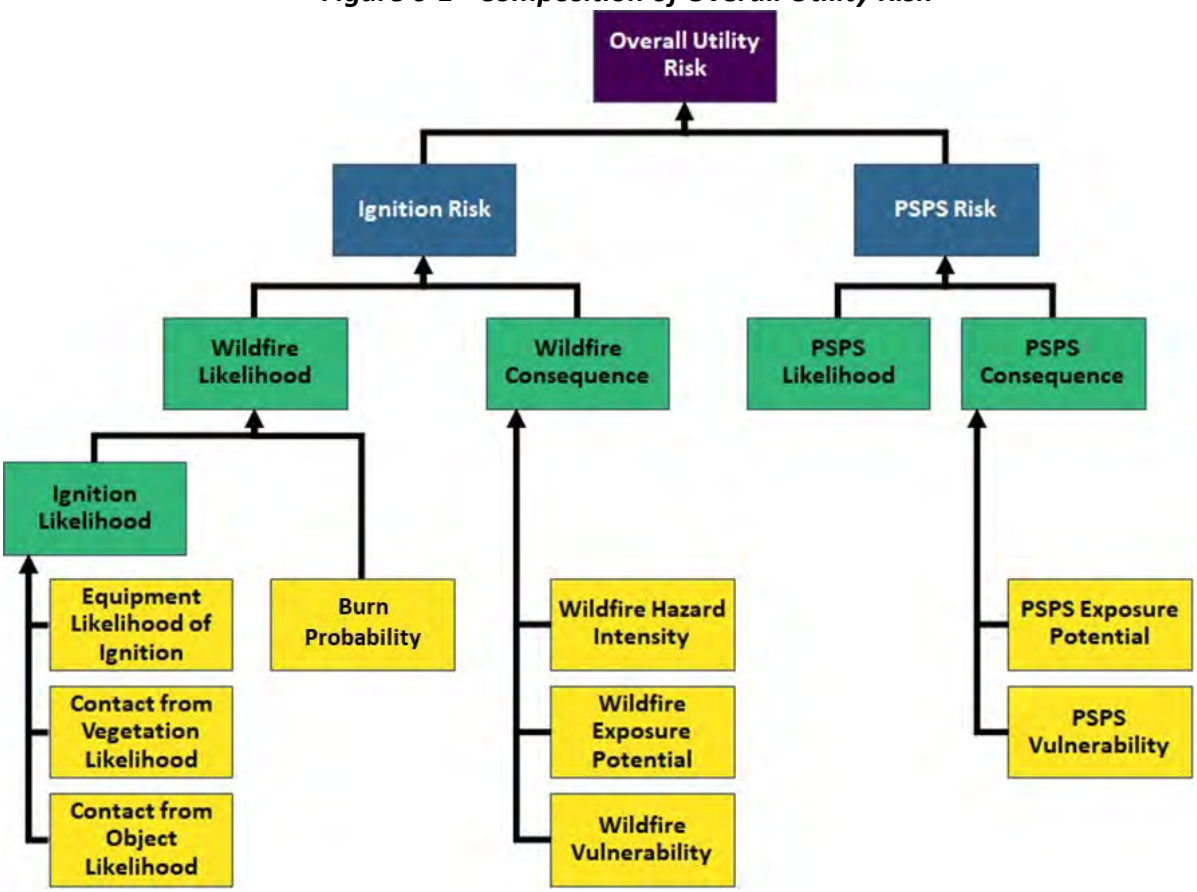
	MARS Framework[77]	IWMS Risk Framework[78]
Equipment/Assets	Included in Wildfire POI component	Evaluated during the Review & Revise stage of the IWMS Risk Framework
Topography	Included in Wildfire Consequence Component	Included in Wildfire Consequence Component and in Severe Risk Area Methodology[79]
Weather	Included in POI and Wildfire Components	Included in Wildfire Consequence Component and in Severe Risk Area Methodology
Vegetation	Included in Wildfire Consequence Component	Included in Wildfire Consequence Component and in Severe Risk Area Methodology
Climate change	Not currently factored[80]	Not currently factored
Social vulnerability	Included in Wildfire and PSPS Consequence Components	Not directly factored
Physical vulnerability	Included in Wildfire and PSPS Consequence Components	Included in Severe Risk Area Methodology
Coping capacities	Not directly factored	Included in Severe Risk Area Methodology

6.2.1 Risk and Risk Component Identification

In this section, the electrical corporation must provide a brief narrative and one or more simple graphics describing the framework that defines its overall utility risk. At a minimum, the electrical corporation must define its overall utility risk as the comprehensive risk due to both wildfire and PSPS events across its service territory. This includes several likelihood and consequence risk components that are aggregated based on the framework shown in Figure 6-1 below. The following paragraphs define each risk component.

[77] The MARS Framework was initially described in Section 6.1.1 and is further described in Section 6.2.1.
[78] The IWMS Risk Framework was initially described in Section 6.1.1 and is further described in Section 6.2.1.
[79] See Section 6.2.1 for additional details.
[80] See Section 6.3 for additional details regarding ongoing work to develop forward looking climate change scenarios.

Figure 6-1 - Composition of Overall Utility Risk



[SCE Note: This diagram (i.e., Figure 6-1) is found in Energy Safety's Technical Guidelines (p. 37). SCE's diagrams are found later in this section].

While the overall utility risk framework and associated risk components identified in Section 6.2 are the minimum requirements for determining overall utility risk, the electrical corporation may elect to include additional risk components as needed to better define risk for its service territory. Where the electrical corporation identifies additional terms as part of its risk framework, it must define those terms. The electrical corporation must include a schematic demonstrating its adopted risk framework (similar to Figure 6-1), including any components beyond minimum requirements.

As shown in Figure 6-1 overall utility risk is broken down into two individual hazard risks:

- ***Ignition risk:** The total expected annualized impacts from ignitions at a specific location. This considers the likelihood that an ignition will occur, the likelihood the ignition will transition into a wildfire, and the potential consequences—considering hazard intensity, exposure potential, and vulnerability—the wildfire will have for each community it reaches*
- ***PSPS risk**: The total expected annualized impacts from PSPS at a specific location. This considers two factors: (1) the likelihood a PSPS will be required due to environmental conditions exceeding*

design conditions, and (2) the potential consequences of the PSPS for each affected community, considering exposure potential and vulnerability

The individual hazard risks are further broken down into 14 risk components. These risk components are split into two categories, intermediate and fundamental. Fundamental risk components are the smallest components of risk that the electrical corporation must determine as part of its risk analysis. Intermediate risk components are the likelihood and consequence related to each hazard. Each fundamental or intermediate risk component provides valuable insight in an electrical corporation's wildfire and PSPS risk calculations.

There are a minimum of five intermediate risk components:

- ***Ignition likelihood:*** *The total anticipated annualized number of ignitions resulting from electrical corporation-owned assets at each location in the electrical corporation's service territory. This considers probabilistic weather conditions, type and age of equipment, and potential contact of vegetation and other objects with electrical corporation assets. This should include the use of any method used to reduce the likelihood of ignition. For example, the use of protective equipment and device settings to reduce the likelihood of an ignition upon an initiating event.*
- ***Wildfire likelihood:*** *The total anticipated annualized number of fires reaching each spatial location resulting from utility-related ignitions at each location in the electrical corporation service territory. This considers the ignition likelihood and the likelihood that an ignition will transition into a wildfire based on the probabilistic weather conditions in the area.*
- ***Wildfire consequence:*** *The total anticipated adverse effects from a wildfire on each community it reaches. This considers the wildfire hazard intensity, the wildfire exposure potential, and the inherent wildfire vulnerabilities of communities at risk (see definitions in the following list).*
- ***PSPS likelihood****: The likelihood of an electrical corporation requiring a PSPS given a probabilistic set of environmental conditions.*
- ***PSPS consequence:*** *The total anticipated adverse effects from a PSPS for a community. This considers the PSPS exposure potential and inherent PSPS vulnerabilities of communities at risk (see definitions in the following list).*

There are a minimum of nine fundamental risk components:

- ***Equipment ignition likelihood:*** *The likelihood that electrical corporation-owned equipment will cause an ignition either through normal operation (such as arcing) or through failure.*
- ***Contact from vegetation ignition likelihood:*** *The likelihood that vegetation will contact electrical corporation-owned equipment and result in an ignition.*
- ***Contact by object ignition likelihood:*** *The likelihood that a non-vegetative object (such as a balloon or vehicle) will contact electrical corporation-owned equipment and result in an ignition.*
- ***Burn probability:*** *The likelihood that a wildfire with a nearby but unknown ignition point will burn a specific location within the service territory based on a probabilistic set of weather profiles, vegetation, and topography.*

- ***Wildfire hazard intensity:*** *The potential intensity of a wildfire at a specific location within the service territory given a probabilistic set of weather profiles, vegetation, and topography.*
- ***Wildfire exposure potential:*** *The potential physical, social, or economic impact of wildfire on people, property, critical infrastructure, livelihoods, health, environmental services, local economies, cultural/historical resources, and other high-value assets. These may include direct or indirect impacts, as well as short- and long-term impacts.*
- ***Wildfire vulnerability:*** *The susceptibility of people or a community to adverse effects of a wildfire, including all characteristics that influence their capacity to anticipate, cope with, resist, and recover from the adverse effects of a wildfire (e.g., access and functional needs customers, Social Vulnerability Index, age of structures, firefighting capacities).*
- ***PSPS exposure potential:*** *The potential physical, social, or economic impact of a PSPS event on people, property, critical infrastructure, livelihoods, health, local economies, and other high-value assets.*
- ***Vulnerability of community to PSPS (PSPS vulnerability):*** *The susceptibility of people or a community to adverse effects of a PSPS event, including all characteristics that influence their capacity to anticipate, cope with, resist, and recover from the adverse effects of a PSPS event (e.g., high AFN population, poor energy resiliency, low socioeconomics).*

The electrical corporation must adopt these definitions in this section of the WMP. If the electrical corporation considers additional intermediate and fundamental risk components, it must define those components in this section as well.

6.2.1.1 MARS Framework

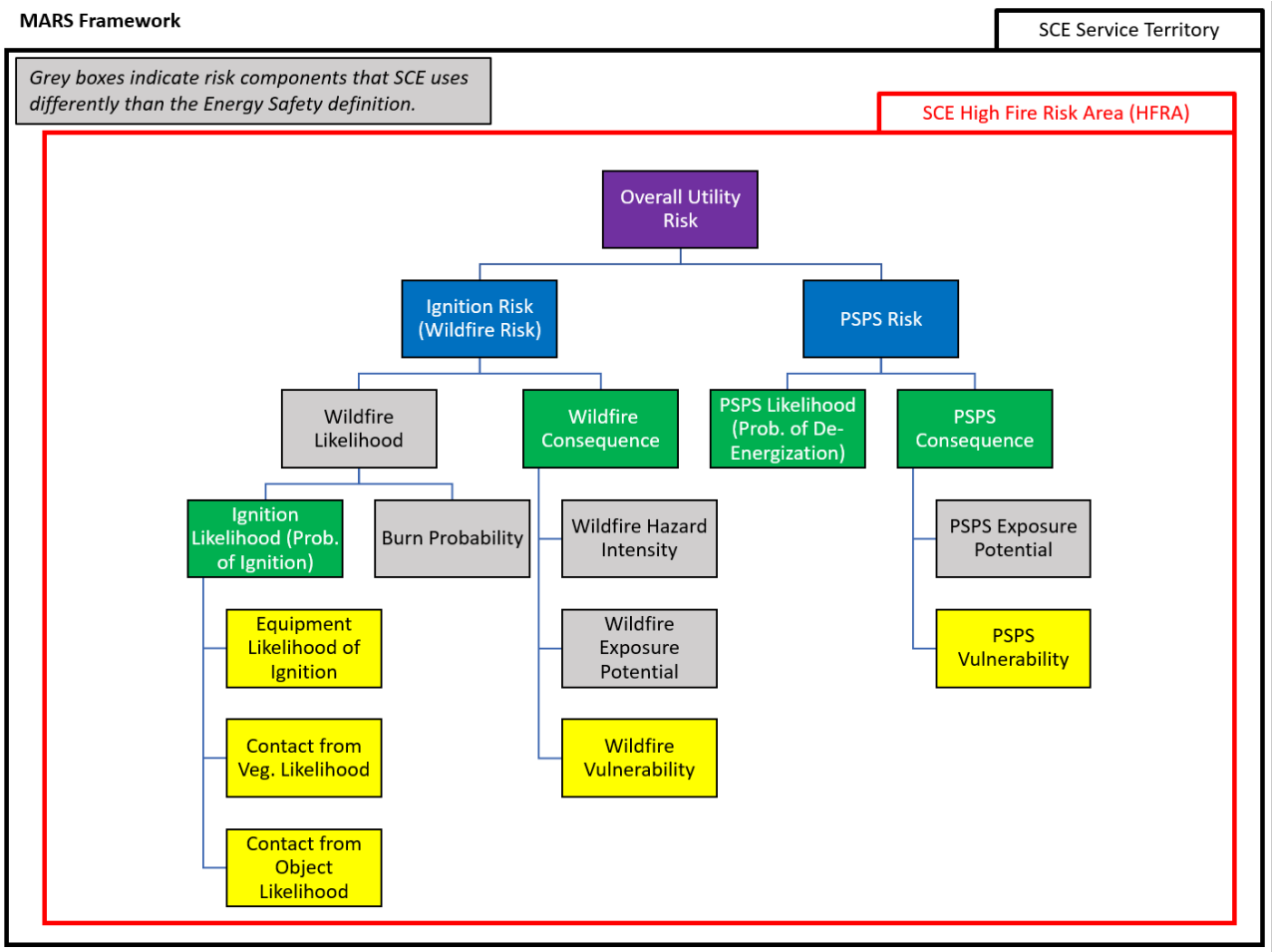
SCE uses its Multi-Attribute Risk Score Framework (MARS Framework or MARS) to quantify Wildfire and PSPS risk. This framework was used in SCE's recent 2022 Risk Assessment and Mitigation Phase (RAMP) application, filed in May 2022, and aligns with the methodology adopted in the CPUC's Safety Model Assessment Proceeding (SMAP).[81]

The diagram below shows how the risk components are used in the MARS Framework. The colors match how Energy Safety has presented the risk components in Figure 6-1.

Risk components and calculation methodologies are further described Section 6.2.1, Section 6.2.2, and Appendix B: Supporting Documentation for Risk Methodology and Assessment.

[81] Please see D.18-12-014 at https://www.publicadvocates.cpuc.ca.gov/general.aspx?id=3345)

Figure SCE 6-01 - SCE's MARS Framework



The MARS framework is constructed by using a risk bowtie methodology, as shown below.

Figure SCE 6-02 - Illustrative Risk Bowtie

The left side of the risk bowtie describes ignition drivers and sub drivers as well as the associated probability of those events. The center of the bowtie describes the risk event itself.

In the case of wildfire ignition risk, the risk event is an ignition associated with SCE overhead electrical equipment in SCE's HFRA. In the case of PSPS, the risk event is a de-energization event during fire weather conditions when current de-energization thresholds are exceeded.

The right side of the bowtie describes the resulting deterministic consequences due to an ignition (in the case of wildfire ignition risk) or a proactive de-energization event (in the case of PSPS risk). These natural units for safety, reliability, and financial consequences are converted to a unitless multi attribute risk score (MARS) through SCE's Multi Attribute Value Function (MAVF). This conversion process is described in additional detail in Section 6.2.2.

To calculate baseline wildfire risk, SCE first estimates a probability of ignition (POI) for each individual ignition driver (e.g., equipment/facility failure (EFF), contact from object (CFO)) and sub-driver (e.g., EFF: conductor failure or CFO: vegetation) for individual distribution and transmission assets. Separately, SCE performs match-drop wildfire simulations along each of these asset locations to estimate consequences in natural units (e.g., acres burned, buildings impacted, population impacted) associated with an ignition emanating from those assets at their specific geographic locations. SCE then combines the POI and the consequences at the asset level to estimate a baseline wildfire risk score.

To calculate a baseline PSPS risk, SCE first estimates the baseline probability of de-energization (POD) of each circuit using a 10-year historical back-cast of weather, wind, fuel dryness conditions using the current Fire Potential Index (FPI), and fuel de-energization thresholds. The consequences of de-energization are derived by estimating the associated frequency and duration of those events and multiplying them by the resulting consequences in natural units (e.g., Customer Minutes of Interruption (CMI)). SCE then combines the POD and the consequences at the circuit level, along with the MARS framework, to estimate a baseline risk score for PSPS.

The key assumptions used to derive pre- and post-mitigation POI and POD include historical ignitions, ignition drivers, historical de-energization events, wind, weather, fuel conditions, mitigation effectiveness assumptions, and fuels or high wind conditions in proximity to SCE overhead distribution and transmission assets in HFRA.

The key assumptions used to estimate wildfire consequences are based on a catalog of 444 historical wind and weather scenarios representing high fire weather conditions. These fire weather scenarios include the 41 weather scenarios originally used by the CPUC to designate HFTD, as well as 403 additional scenarios added by SCE representing both wind-driven and fuel- driven wildfire (dry fuels, but low or no wind) conditions. SCE uses the maximum consequence value (e.g., acres max) across each of these scenarios based on eight-hour simulated wildfire progression without fire suppression at each location to represent the consequence value at each of those individual locations.

The wildfire simulations are conducted for a standard eight-hour unsuppressed burn period to provide a comparable consequence estimate across all locations. If fire simulations were to extend beyond eight hours, or suppression impacts were included (e.g., response timing and complexity), the level of uncertainty associated with the model output can increase to the point where the simulation would not be meaningful.

Therefore, at this time, SCE does not extend the simulation duration beyond 8 hours and does not directly include a probabilistic assessment of suppression based on historical suppression data, as there are inherent risks associated with over-representing the availability of suppression resources. SCE recognizes these are points of interest with stakeholders and looks forward to continuing to engage with Energy Safety and stakeholders through applicable forums and working groups.

The key input data used for wildfire consequence estimates are fuel models based on Timber fuel layers, with the addition of 19 custom fuel models. SCE updates its fuel model annually. A fuel regrowth algorithm is used to "grow up" fuels in locations with large historical fire scars (greater than 5,000 acres) to project fuel growth out to 2030. Climate change influenced forecast weather conditions are not included at this time. However, as discussed in Energy Safety's risk modeling workshops, SCE is developing a climate change scenario by simulating additional fuel dryness in 2030 fuels for evaluation purposes. See Section 6.3.2 for additional discussion.

SCE also utilizes Access and Functional Need (AFN) and Non-Residential Critical Infrastructure (NRCI) information for each location to account for the relative baseline and post-mitigated risk associated with wildfire and PSPS in vulnerable locations. SCE has considered other census tract-based sources of data such as CalEnviroscreen, Centers for Disease Control (CDC), Social Vulnerability Index (SVI), and the Federal Emergency Management Agency (FEMA) National Risk Index (NRI) data. SCE has determined that these data sources currently lack the granularity required to scale the information down to correspond to other risk data SCE uses at the asset or location level.

The key input data for wildfire POI and PSPS POD estimates are SCE's overhead asset location data, weather and wind data from Atmospheric Data Solutions (ADS) and SCE weather stations, SCE's Outage Database and Reliability Metric (ODRM) system, PSPS event data, SCE's Fire Incident Preliminary Analysis (FIPA) process, vegetation data, and historical de-energization criteria.

In addition to the fuel and weather assumptions described above, SCE uses granular Microsoft building data and the latest available data from U.S. Department of Homeland Security (LandScan 2018) population data to represent individual building footprints and 90m centroid population density, respectively. These data are used to derive associated natural unit consequence impacts from wildfire simulations.

The modeling tools SCE employs are a series of machine learning algorithms (e.g., random forest, gradient boosting) to derive and calibrate POI estimates for each wildfire risk driver. SCE also uses Technosylva Wildfire Analyst to perform match drop simulations to derive wildfire consequences and python-based algorithms to derive both POD and PSPS consequences.

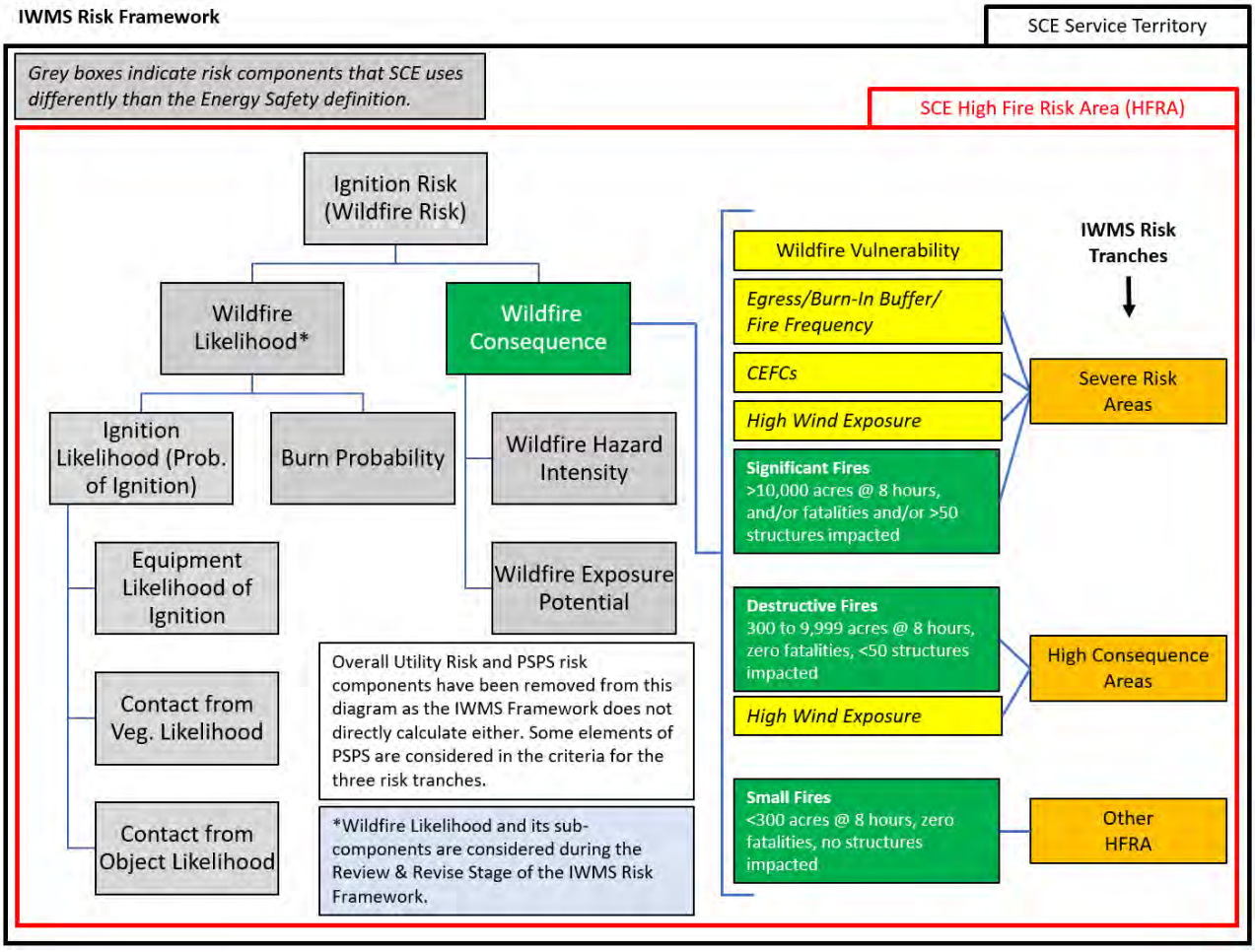
6.2.1.2 IWMS Risk Framework

SCE's IWMS Risk Framework is used to define three risk tranches within SCE's HFRA. These three risk tranches are key elements of how SCE selects, prioritizes, and scopes wildfire and PSPS mitigations.

The figure below shows how the risk components are used in the IWMS Risk Framework. The colors match how Energy Safety has presented the risk components in Figure 6-1.

Risk components and calculation methodologies are further described in Section 6.2.1, Section 6.2.2, and Appendix B: Supporting Documentation for Risk Methodology and Assessment.

Figure SCE 6-03 - SCE's IWMS Risk Framework



SCE started using the IWMS Risk Framework to prioritize mitigation selection and scope for grid hardening activities, inspection programs, and vegetation management activities in 2022. Due to the long lead time for planning and construction for covered conductor and undergrounding, the earliest that mitigations scoped with the IWMS Risk Framework will be placed in-service is 2023.

In early 2022, SCE reviewed in-flight covered conductor scope for 2022 and 2023 that was still in earlier stages for alignment to the IWMS Risk Framework. Based on those reviews, SCE made decisions to either continue the mitigation as-is, target for higher risk mitigation activity, or stop scope completely.

SCE also evaluated the alignment of IWMS with the High-Fire Risk Informed (HFRI) detailed inspection scope strategy and has prioritized structures in Severe Risk Areas and High Consequence Areas to be inspected more frequently starting with 2023 inspections.

Similar alignment was also assessed in 2022 for vegetation management program strategy, such as with the Heavy Tree Mitigation Program (HTMP), where the risk methodology utilized assigned vegetation grids that had higher proportions in Severe Risk Areas to be placed on annual inspection cycles.

The risk assessment portion of the IWMS Risk Framework features two major stages (Initial Risk Categorization and then Review & Revision) which are described below.

Stage 1: Initial Risk Categorization

The first stage of IWMS uses quantitative risk analysis that incorporates several factors to deliver an initial output that categorizes all of SCE's HFRA circuit segments into risk traches defined as Severe Risk Areas, High Consequence Areas, and Other HFRA.

- Severe Risk Areas (SRA) are locations that are characterized by elevated population risk factors such as heightened egress risk, significant wildfire risk, and/or heightened risk of high wind events.
- High Consequence Areas (HCA) are segments where simulated fires exceed 300 acres in eight hours and do not have the same level of population risk as the Severe Risk Areas. These circuit segments are sited in locations where wildfire can propagate over a relatively short period of time.
- Other HFRA encompasses locations within HFRA that do not meet either of the previous criteria.

A detailed description of these three risk tranches, including all factors used, is provided below.

Severe Risk Areas

The CPUC has already defined[82] all areas in HFTD as inherently being at elevated or extreme risk of wildfire. SCE has determined a subset of those regions are "Severe Risk Areas" as they have attributes that further elevate the risk levels to populations residing, working in, or visiting these locations.

SCE uses the following four criteria to determine Severe Risk Areas:

1. Population egress constraints, high fire frequency, and burn-in buffer into egress locations.
2. Significant fire consequence – Acres burned consequence greater than 10,000 over an 8-hour unsuppressed model simulation.
3. High winds – Locations, which if fully covered with covered conductor, would still be subject to high PSPS likelihood.
4. Communities of Elevated Fire Concern (CEFCs) – Smaller geographic areas where terrain, construction, and other factors could lead to smaller, fast-moving fires threatening populated locations under benign (normal) weather conditions.

SCE notes that a circuit mile may meet multiple SRA criteria.

[82] CPUC Decision 17-12-024, Decision Adopting Regulations to Enhance Fire Safety in the High Fire-Threat District, 12/21/2017.

SRA Criteria #1: Egress Constraints, High Fire Frequency & Burn-In Buffer

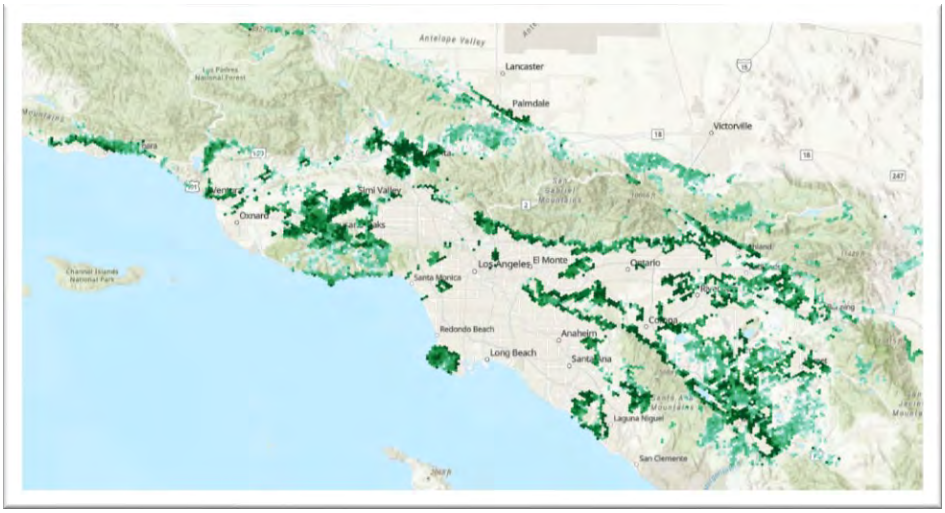
This criteria includes five steps:

1. Divide SCE's HFRA into equally sized polygons.
2. Identify egress-constrained locations.
3. Determine locations that have experienced high fire frequency historically.
4. Overlay the egress-constrained locations with historical high fire frequency locations to determine Fire Risk Egress Constrained Areas.
5. Add a burn-in buffer to Fire Risk Egress Constrained Areas.

Figure SCE 6-04 - Polygon Assignment

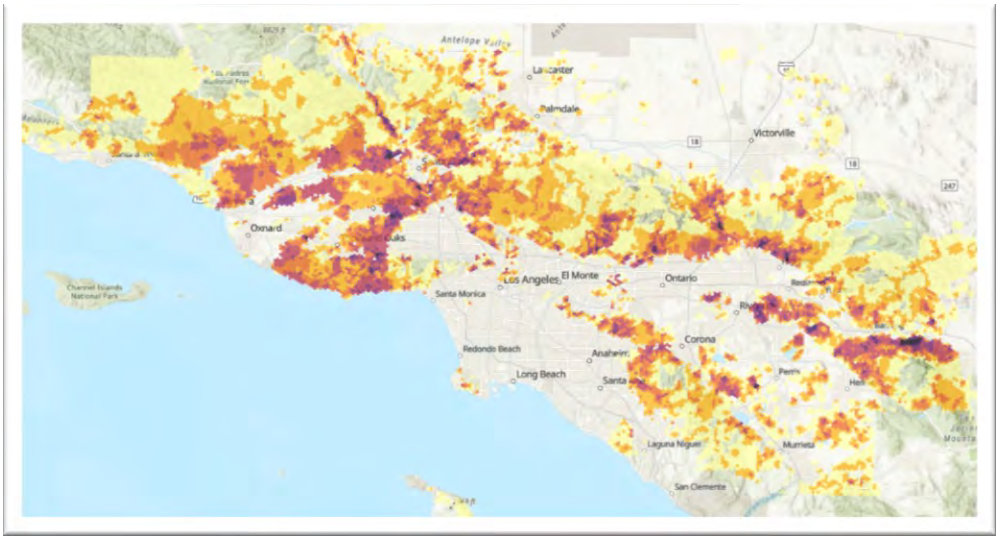
SCE divided its service area into hexagons approximately 214 acres in size. SCE used hexagons because the distance from the center of a hexagon to all adjacent hexagons is the same distance (1,000 meters) and it enabled SCE to compare variables across similar-sized polygons.

Figure SCE 6-05 - Identify Egress-Constrained Areas



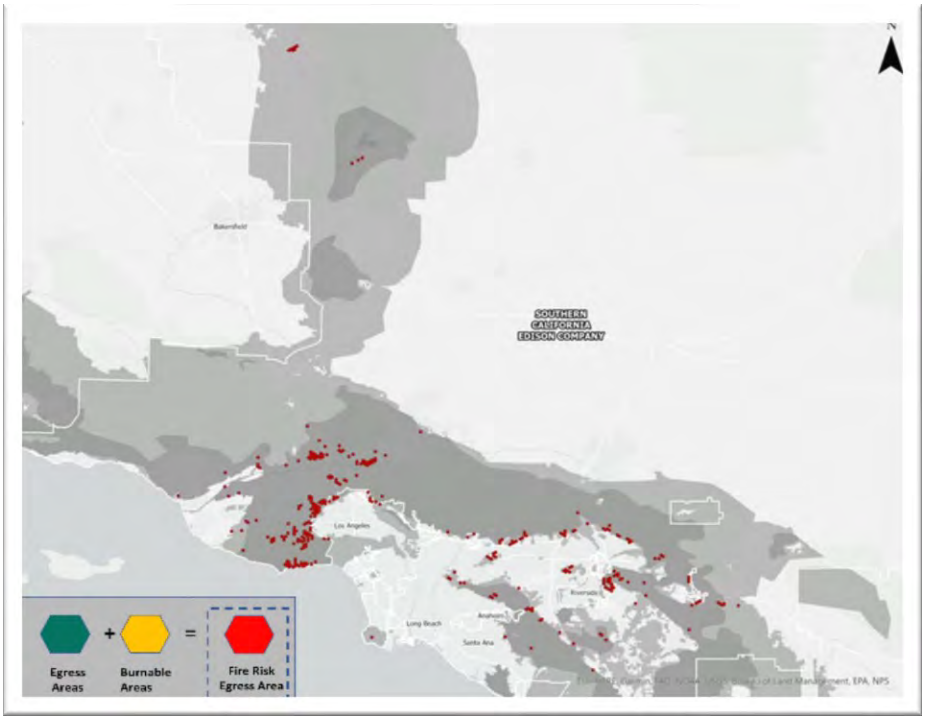
SCE determined which hexagons in its HFRA have substantial road availability concerns using a ratio of roads to population in each hexagon. A lower score indicates 0.5 or fewer miles of roads available per person in a given hexagon, creating a potential egress concern should everyone in the polygon need to evacuate the area simultaneously.

Figure SCE 6-06 - Identify Areas with a High Frequency of Fires



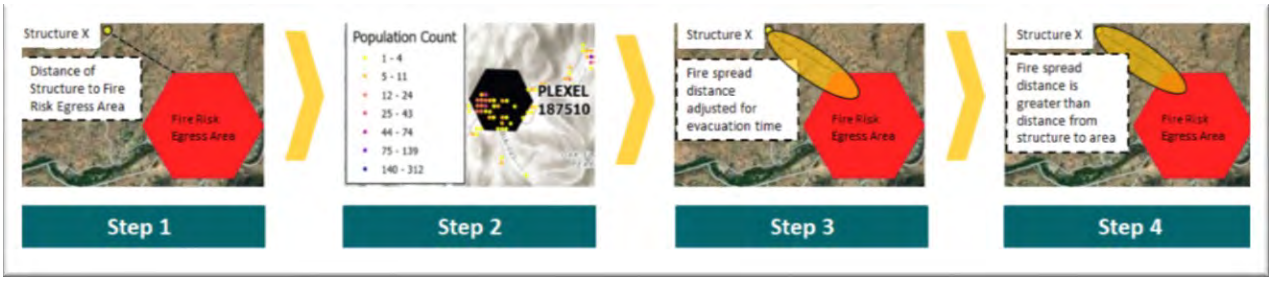
SCE determined which hexagons in its HFRA that have a high frequency of historical fires, using fire scars, from 1970 to 2020.[83] A higher score indicates a higher likelihood that a given hexagon will burn, meaning fires either originated from or travel into these hexagons.

Figure SCE 6-07 - Overlay Areas with a High Frequency of Fires with Egress-Constrained Areas



SCE then overlaid the egress-constrained areas with regions that have a high historical fire frequency. SCE flagged hexagons with both limited road availability and a high burn frequency as potential Fire Risk Egress Constrained Areas.

Figure SCE 6-08 - Delineate Burn in Buffer



Next, utilizing Technosylva ignition simulation data, SCE determined which of SCE's overhead structures could result in fires burning into Fire Risk Egress Constrained Areas. SCE performed a calculation to identify which structures could potentially result in a fire trapping the public.

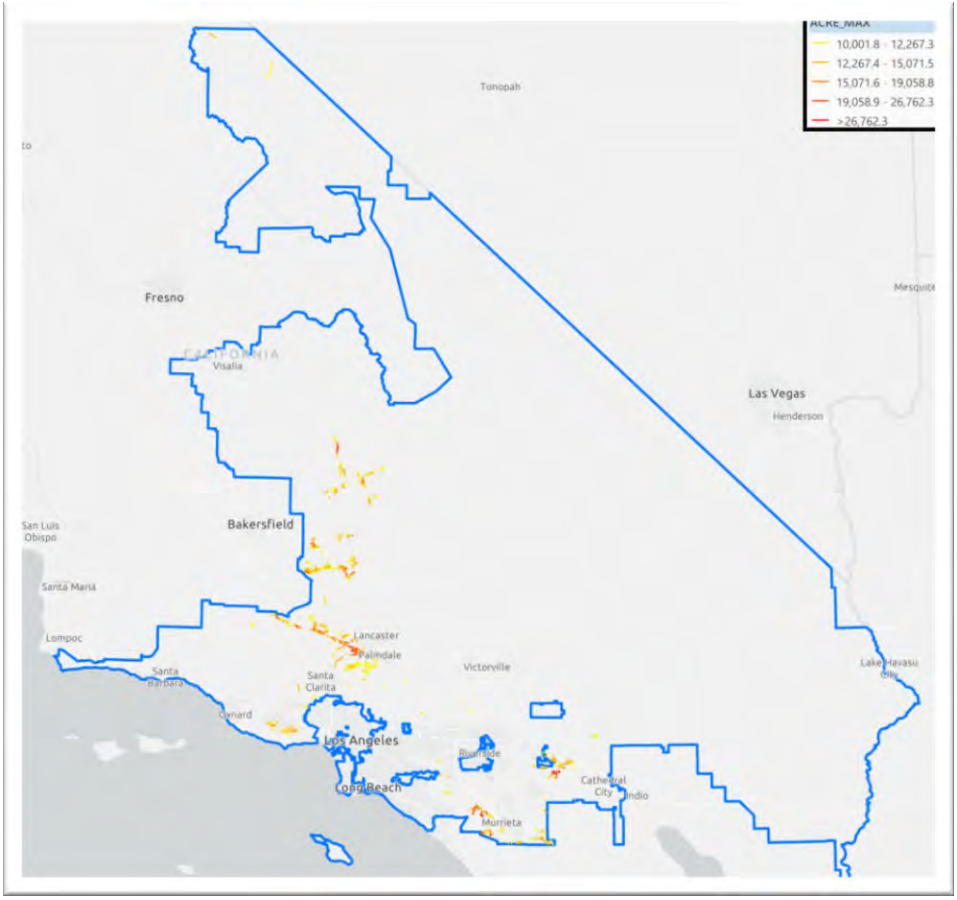
Below are the steps to calculate the "Burn in Buffer".

[83] Data from CalFire FRAP database.

1. Identify all structures within 25 miles of a Fire Risk Egress Constrained Area.
2. Calculate the time needed for the population to exit the polygon using population size, travel speed, and distance to safety.
3. Considering terrain and other factors, calculate the distance the fire could travel from each SCE distribution overhead structure within 25 miles, in the time needed to evacuate the Fire Risk Egress Constrained Area.
4. Flag the structure as a potential burn in buffer structure if the fire originating there could enter the Fire Risk Egress Constrained Area.
5. Assess identified locations to determine if the fire will actually burn into a Fire Risk Egress Constrained Area, when accounting for wind direction, topography, and physical barriers (e.g., lakes).

SRA Criteria #2: Significant Fire Consequence

Figure SCE 6-09 - Identify Areas with Exceptionally High Technosylva Consequence Scores

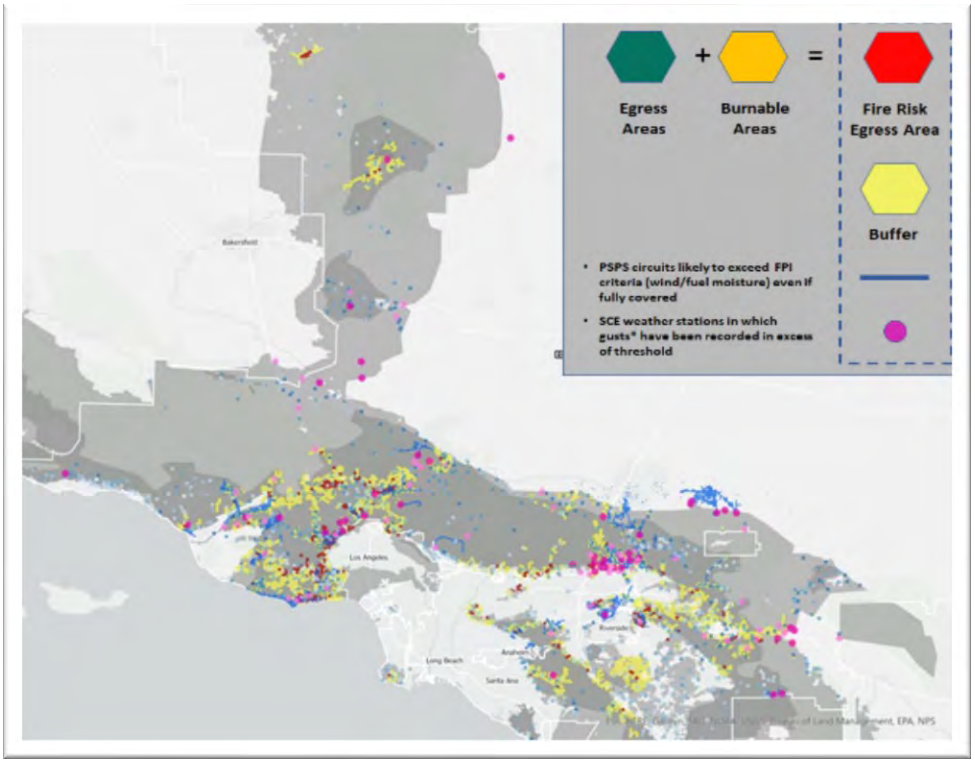


SCE identified segments in its HFRA that have an exceptionally high Technosylva consequence scores in acres burned at 8 hours based on Technosylva ignition simulations. SCE used the threshold of 10,000 acres or greater burned in the first 8 hours. Fires that burn over 10,000 acres in the first 8 hours on average burn over 100,000 acres. SCE provides further explanation for this threshold below.

SRA Criteria #3: High Wind Locations

SCE examined historical wind data from 2017 to determine which areas have experienced high sustained wind speeds above 40 mph and wind gusts above 58 mph (current PSPS de-energization threshold for fully covered isolatable conductor segments).[84] Even if fully covered, these isolated conductor segments would likely experience some level of PSPS de-energization.

Figure SCE 6-10 - Identify Areas with Extremely High Wind Speeds



[84] This may change as SCE modifies thresholds based on further analyses and data over time.

SRA Criteria #4: Communities of Elevated Fire Concern (CEFC)

Figure SCE 6-11 - Communities of Elevated Fire Concern

Caption for Subdivisions on multiple hilltops surrounded by dense vegetation. Figure SCE 6-11 Fires that start in canyon will burn rapidly uphill towards populated areas. Last major fire in this area was in 2008.

SCE identified Communities of Elevated Fire Concern (CEFCs). CEFCs are smaller geographic areas where terrain and other factors could lead to smaller, fast-moving fires threatening populated locations under benign (normal) weather conditions. Examples of these types of communities are those on the edge of a hill, where if an ignition were to occur downhill from that community, the ignition could immediately impact those population centers, even under low to no wind conditions.

High Consequence Areas

SCE uses the following three criteria to determine High Consequence Areas:

1. Not identified in meeting Severe Risk Area criteria.
2. Destructive fire consequence – Acres burned consequence between 300 and 10,000 after an 8-hour unsuppressed model simulation.
3. Locations subject to PSPS events due to high winds in which covered conductor has not been fully deployed.

Destructive Fire Consequence

SCE has also identified additional locations where a wildfire can propagate over large areas (between 300 and 10,000 acres) in a relatively short period of time and/or have the potential to be frequently impacted by PSPS. SCE has categorized these as “High Consequence Areas.”

SCE determined an ignition that can become a 300-acre-or-greater sized fire within the first eight hours has a high probability of eventually becoming very large, thereby posing significant risks to life, health and property. SCE provides further explanation for this threshold below.

High Winds

SCE also conducts an analysis each year that identified circuits that have experienced or are expected to experience high customer minutes of interruption from PSPS de-energizations due to high wind speeds absent appropriate grid hardening. SCE has included those circuits that meet the criteria described above but were not already identified as Severe Risk Areas.

300 Acres Burned Threshold

SCE selected the 300 acres burned and 10,000 acres burned thresholds at 8-hours as the lower and upper limits for High Consequence Areas based on the following analysis.

As indicated in Table SCE 6-02, number of acres burned is a reasonable and reliable correlated proxy for buildings destroyed:

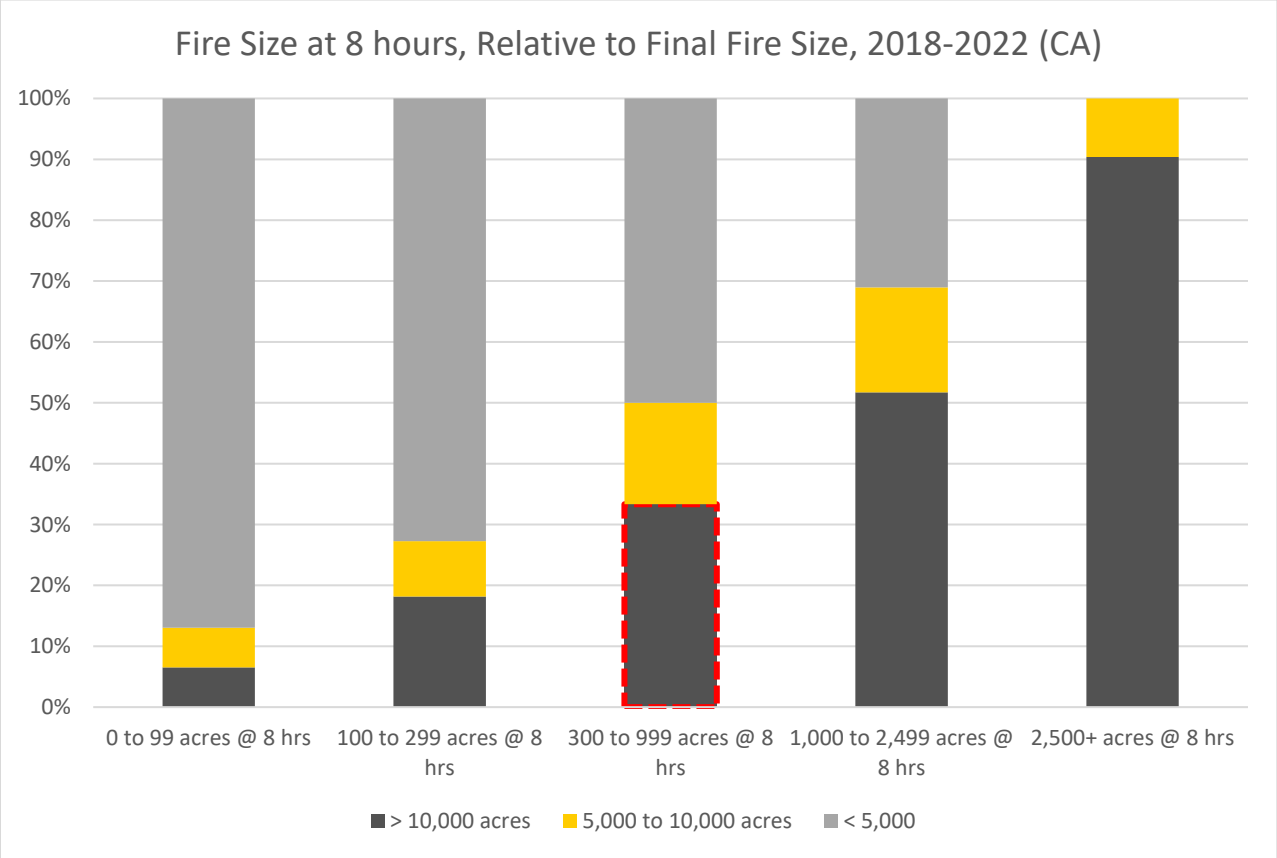
Table SCE 6-02 - 2015-2019 Fire Size and Buildings Destroyed

Final Fire Size (Acres)	Average Buildings Destroyed
300-1k	~2
1k-5k	~7
5k-10k	~15
10k-50k	~200
50k+	~1,250

A fire of 10,000 acres or more destroys approximately 200 buildings, on average.

As indicated in Figure SCE 6-12 below, of the fires that had burned between 300 and 999 acres after 8 hours, 33% eventually burned more than 10,000 acres. In contrast, fires that burned less than 300 acres after 8 hours are much less likely to eventually burn more than 10,000 acres. Of the fires that burned less than 300 acres, only 10% eventually burned more than 10,000 acres. Based on this analysis, SCE selected 300 acres as the lower threshold for modeled fire consequence for High Consequence Areas.

Figure SCE 6-12 - Fire Size at 8 Hours Relative to Final Fire Size



Other HFRA

SCE defines "Other HFRA" as areas that are located in SCE's HFRA that are neither Severe Risk nor High Consequence but are identified by the Commission as areas of "extreme" and "elevated" wildfire risk in the current CPUC Fire Threat Map (See Section 5.3.3 High Fire Threat Districts).

These locations are still subject to regulatory and compliance requirements for enhanced mitigation activity, such as increased inspections and/or vegetation management.

Summary of IWMS Risk Tranches

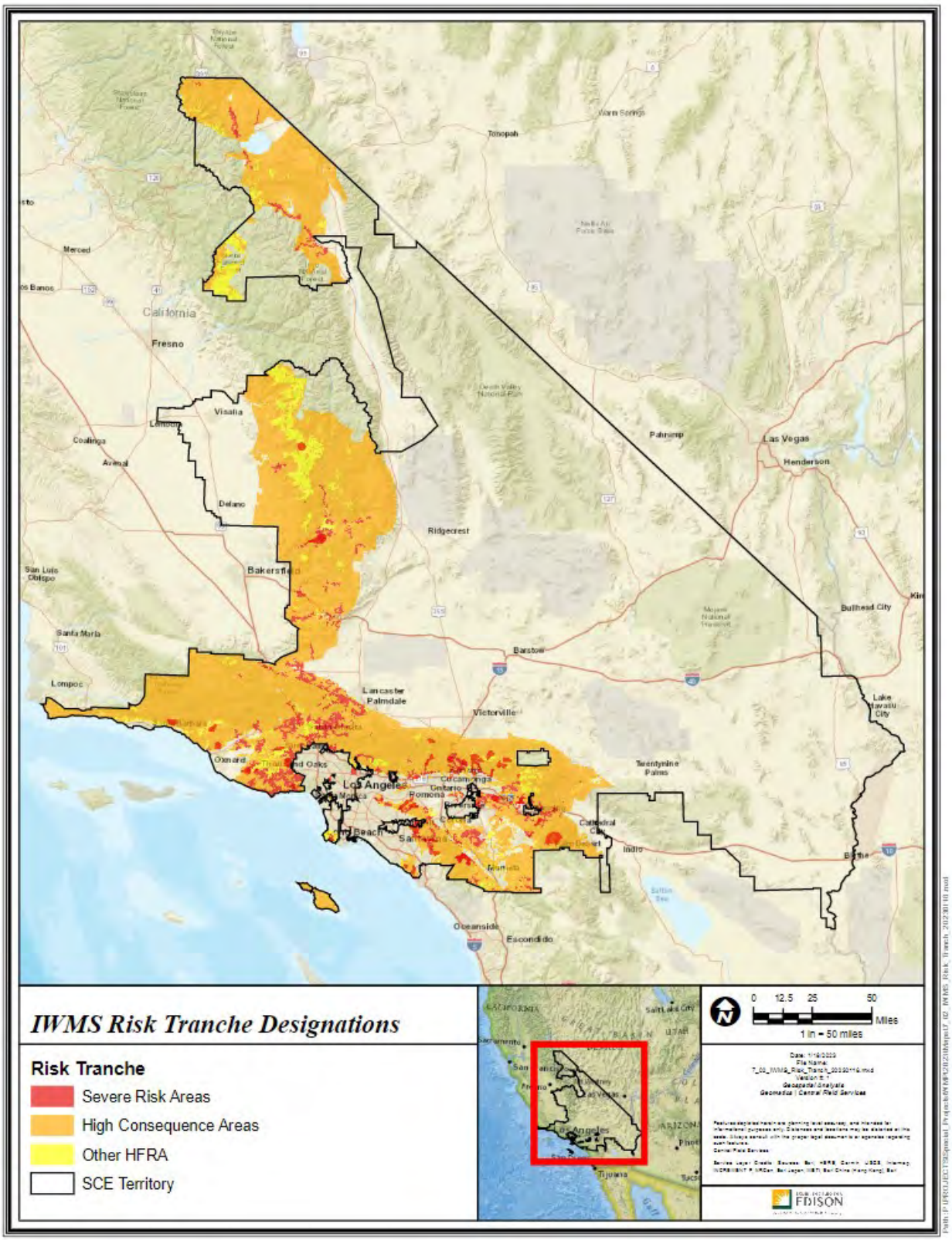
Table SCE 6-03 summarizes the risk characteristics of each risk tranche.

Table SCE 6-03 - IWMS Risk Framework Risk Tranches (Mutually Exclusive)

Severe Risk Area Criteria
o Population egress, high fire frequency location, and burn-in buffer into egress locations. o Significant fire consequence – Acres burned consequence greater than 10,000 over an 8-hour unsuppressed model simulation. o High winds – Locations, which if fully covered with covered conductor, would still be subject to high PSPS likelihood. o Communities of Elevated Fire Concern (CEFCs) – smaller geographic areas where terrain and other factors could lead to smaller, fast-moving fires threatening populated locations under benign (normal) weather conditions.
High Consequence Area Criteria
o Not identified in meeting Severe Risk Area criteria. o Destructive fire consequence – Acres burned consequence between 300 and 10,000 over an 8-hour unsuppressed model simulation. o Locations subject to PSPS events in which covered conductor has not been fully deployed.
Other HFRA Criteria
o Not identified in meeting Severe Risk Area or High Consequence criteria. o Small fire consequence - Acres burned consequence less than 300 over an 8-hour unsuppressed model simulation.

The following map illustrates the locations of the Severe Risk, High Consequence, and Other HFRA areas.

***Figure SCE 6-13 - IWMS Risk Tranche Designations*[85]**



[85] Map as of 01/18/2023

***Table SCE 6-04 - Circuit Miles Per IWMS Risk Tranche*[86]**

IWMS Risk Tranche	Approximate Circuit Miles
Severe Risk Areas	2,950
High Consequence Areas	4,400
Other HFRA	2,250
Total	9,600

Stage 2: Review & Revise

With exception of CEFC identification, the first stage of IWMS is automated and reliant upon the completeness, granularity, and accuracy of data sources. While valuable as a directional starting point, human judgment is needed to evaluate the results of the risk analysis.

Accordingly, SCE performs further due diligence by reviewing the output using SCE's inspection photos, geographic information system (GIS), and Google Maps or Street Views with subject matter experts such as engineers and fire science specialists. These deep dives allow SCE's employees to virtually "walk the line" to determine whether a segment is appropriately categorized.

This stage of the IWMS is time-consuming and labor intensive, as SCE personnel review hundreds of circuit miles of overhead distribution lines. SCE has already started scoping mitigations for areas that have undergone Review & Revise and expects to complete this stage for all HFRA by the second quarter of 2023.

During these reviews, SCE looks for the presence of risk drivers, including but not limited to, heavy trees, long span, local fuel regime, prevailing wind direction and intensity, topography (slope and terrain complexity), local fire ecology, local road accessibility, and existing mitigations (e.g., covered conductor). SCE then makes the determination to either keep the designation as prescribed by the model or recommend an alternate designation as appropriate.

Figure SCE 6-14 below shows an example of a 100% match between the initial output (left picture) and detailed SME review (right picture). This location was identified a Severe Risk Area due to the exceptionally high Technosylva wildfire consequence. A fire starting in this location has the potential to grow larger than 10,000 acres in size in the first eight hours.

SME review confirmed the location of the overhead lines in relation to the dry, heavy vegetation in the area, topography, and potential winds could lead to a fire of this size.

Figure SCE 6-15 shows one of many Google Maps screenshots of the location that SMEs reviewed, confirming the designation as a Severe Risk Area.[87]

[86] Note that the review of unhardened miles for each area/tranche is in progress. Therefore, the total miles provided in the table are not finalized and are subject to change.

[87] Figure SCE 6-15 is a screenshot of the location marked with the teal circle in SCE 6-14.

Figure SCE 6-14 - Example of 100% Match of Risk Model and SME Review

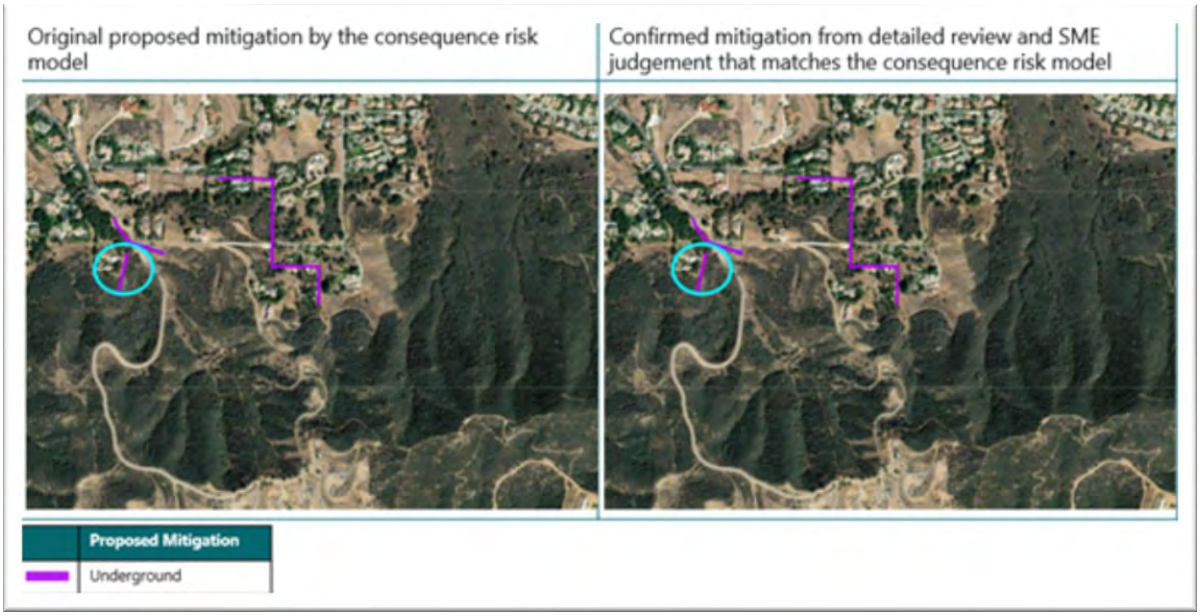


Figure SCE 6-15 - Photo of Location Confirms Severe Risk Area Designation

Figure SCE 6-16 below shows an example of a deviation between the initial output (left picture) and detailed SME review (right picture). The initial output flagged these circuit segments as Severe Risk Areas because they fit the criteria of egress constrained and burn-in buffer.

However, during SME review, it became apparent that the overhead lines mainly run over dirt, roads and light brush and relatively fewer structures in the area would be threatened by a wildfire. The recommendation from the detailed SME review for this location was to convert the designation to High Consequence.

Figure SCE 6-17 shows one of many Google Maps screenshots of the location that SMEs reviewed, confirming the need to convert the designation from Severe Risk Area to High Consequence Area.[88]

Figure SCE 6-16 - Example of a Deviation Between Risk Model and SME Review

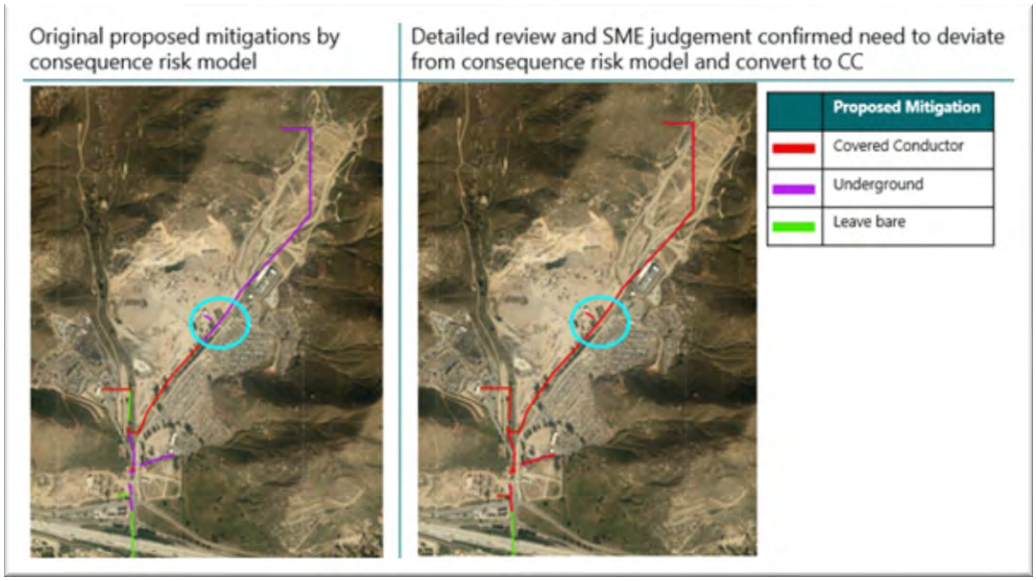


Figure SCE 6-17 - Photo of Location Confirms Need to Convert Designation from Severe Risk to High Consequence

Based on the results of the IWMS Review and Revise stage, SCE selects the appropriate mitigation(s) to deploy to each area. SCE details this aspect of the IWMS in Section 7.1.4.

[88] Figure SCE 6-17 is a screenshot of the location marked with a teal circle in Figure SCE 6-16.

Individual Hazard Risks

R2: Ignition Risk

Ignition risk: The total expected annualized impacts from ignitions at a specific location. This considers the likelihood that an ignition will occur, the likelihood the ignition will transition into a wildfire, and the potential consequences—considering hazard intensity, exposure potential, and vulnerability—the wildfire will have for each community it reaches

SCE considers Ignition Risk as synonymous with Wildfire Risk, which is the product of Ignition Likelihood (IRC1) and Wildfire Consequence (IRC3). SCE calculates Wildfire Risk at the individual asset level. Overall Wildfire Risk is the sum of the individual asset risks over the entire HFRA.

R3: PSPS Risk

PSPS risk: The total expected annualized impacts from PSPS at a specific location. This considers two factors: (1) the likelihood a PSPS will be required due to environmental conditions exceeding design conditions, and (2) the potential consequences of the PSPS for each affected community, considering exposure potential and vulnerability

SCE's overall PSPS risk is the product of Product of PSPS Likelihood (IRC4) and PSPS Consequence (IRC5). SCE calculates PSPS Risk at the circuit level. Overall PSPS risk is the sum of the circuit level risk in HFRA.

SCE calculates PSPS Risk in the MARS Framework. In the IWMS Risk Framework, locations that experience frequent de-energizations and/or potential for PSPS events even when locations are fully covered are considered for mitigation. Please see the description of both frameworks earlier in this section and in Section 6.1.1 for the basis behind this approach.

Intermediate Risk Components

IRC1: Ignition Likelihood

Ignition likelihood: The total anticipated annualized number of ignitions resulting from electrical corporation-owned assets at each location in the electrical corporation's service territory. This considers probabilistic weather conditions, type and age of equipment, and potential contact of vegetation and other objects with electrical corporation assets. This should include the use of any method used to reduce the likelihood of ignition. For example, the use of protective equipment and device settings to reduce the likelihood of an ignition upon an initiating event.

SCE considers Ignition Likelihood to be synonymous with Probability of Ignition (POI). The pre-mitigated POI for every asset is a probabilistic assessment of Ignition Likelihood prior to mitigation deployment. The POI of each asset is further adjusted to account for system hardening activities (e.g., covered conductor) that have taken place.

POI is the sum of the ignition component probabilities at that location (i.e., Equipment Ignition Likelihood (FRC1), Contact from Vegetation Ignition (FRC2), and Contact by Object Ignition Likelihood (FRC3). POI is used to assess overall utility wildfire risk at a given locations.

Please also see the description below regarding Wildfire Likelihood and how SCE considers Wildfire Likelihood sub-components during the Review & Revise stage of the IWMS Risk Framework.

IRC2: Wildfire Likelihood

Wildfire likelihood: The total anticipated annualized number of fires reaching each spatial location resulting from utility-related ignitions at each location in the electrical corporation service territory. This considers the ignition likelihood and the likelihood that an ignition will transition into a wildfire based on the probabilistic weather conditions in the area.

SCE does not differentiate between Ignition Likelihood and Wildfire Likelihood. As described above in the discussion of Ignition Likelihood and earlier in Section 6.1.1, SCE models potential fire behavior and spread from individual utility asset locations.

During the Review & Revise stage of the IWMS Risk Framework, SCE's risk management, fire science, and engineering experts consider Wildfire Likelihood sub-components such as equipment failure likelihood, contact from vegetation likelihood, and contact from other likelihood in determining potential mitigation selection and deployment. SCE notes that not all sub-components may be applicable in each location.

IRC3: Wildfire Consequence

Wildfire consequence: The total anticipated adverse effects from a wildfire on each community it reaches. This considers the wildfire hazard intensity, the wildfire exposure potential, and the inherent wildfire vulnerabilities of communities at risk (see definitions in the following list).

SCE estimates Wildfire Consequences (e.g., acres burned, structures impacted, population impacted) and their associated safety and financial impacts for a given set of deterministic match drop simulations for all overhead assets in SCE's HFRA across 444 weather scenarios using a 2030 fuel projection.

Wildfire Consequence is used, in conjunction with Wildfire Vulnerability, to assess the impact of potential consequences associated with an ignition event in proximity to overhead assets.

In the IWMS Risk Framework, SCE categorizes simulated wildfires based on three definitions:

> **Significant Fires** are simulated fires that, at 8 hours after ignition, burned more than 10,000 acres or had at least one fatality or had at least 50 structures impacted.
>
> **Destructive Fires** are simulated fires that, at 8 hours after ignition, burned between 300 acres and 10,000 acres with zero fatalities and/or had fewer than 50 structures impacted.
>
> **Small Fires** are simulated fires that, at 8 hours after ignition, burned less than 300 acres with zero fatalities and no structures impacted.

These three categories inform the risk tranches that SCE uses to determine mitigation selection, prioritization, and scope deployment. Please see the description of the IWMS methodology earlier in Section 6.2.1 for additional factors considered such as egress and burn-in buffer.

IRC4: PSPS Likelihood

PSPS likelihood: The likelihood of an electrical corporation requiring a PSPS given a probabilistic set of environmental conditions.

SCE considers PSPS Likelihood as synonymous with Probability of De-energization (POD).

The pre-mitigated POD for every asset is based on a deterministic back cast of historical wind and fuel moisture conditions at each location within SCE's HFRA. POD is used to assess PSPS risk at a for each circuit.

SCE calculates PSPS Likelihood in the MARS Framework. In the IWMS Risk Framework, locations that experience frequent de-energizations and/or potential for PSPS events even when locations are fully covered are considered for mitigation. Please see the description of both frameworks earlier in this section and in Section 6.1.1 for the basis behind this approach.

IRC5: PSPS Consequence

PSPS consequence: The total anticipated adverse effects from a PSPS for a community. This considers the PSPS exposure potential and inherent PSPS vulnerabilities of communities at risk (see definitions in the following list).

SCE estimates PSPS Consequences based on an assessment of natural unit consequences (e.g., customer minutes of interruption (CMI)) and associated safety and financial impacts for a given proactive de-energization event.

PSPS Consequence is used, in conjunction with PSPS Vulnerability, to assess the impact of potential consequences associated with a de-energization event in proximity to overhead assets.

SCE calculates PSPS Consequence in the MARS Framework. In the IWMS Risk Framework, locations that experience frequent de-energizations and/or potential for PSPS events even when locations are fully covered are considered for mitigation. Please see the description of both frameworks earlier in this section and in Section 6.1.1 for the basis behind this approach.

Fundamental Risk Components

FRC1: Equipment Ignition Likelihood

Equipment ignition likelihood: The likelihood that electrical corporation-owned equipment will cause an ignition either through normal operation (such as arcing) or through failure.

Equipment Ignition Likelihood, also referred to as Equipment/Facility Failure Probability of Ignition (EFF POI), is the probability associated with equipment causing a fault or arcing event that leads to ignition at a given location.

The pre-mitigated EFF POI for every asset is a probabilistic assessment of ignition likelihood prior to mitigation deployment.

EFF POI is the sum of the ignition component sub models (e.g., conductor POI, transformer POI, switch POI, etc.) probabilities at a given location.

Please also see the description above regarding Wildfire Likelihood and how SCE considers Wildfire Likelihood sub-components during the Review & Revise stage of the IWMS Risk Framework.

FRC2: Contact from Vegetation Ignition Likelihood

Contact from vegetation ignition likelihood: The likelihood that vegetation will contact electrical corporation-owned equipment and result in an ignition.

Contact from Vegetation Ignition Likelihood, also referred to as Contact from Foreign Object - Vegetation Probability of Ignition (CFO-Veg POI), is the probability associated with vegetation coming in contact with utility equipment and causing a fault or arcing event that leads to ignition at a given location.

The pre-mitigated CFO-Veg. POI for every asset is a probabilistic assessment of ignition likelihood prior to mitigation deployment.

Please also see the description above regarding Wildfire Likelihood and how SCE considers Wildfire Likelihood sub-components during the Review & Revise stage of the IWMS Risk Framework.

FRC3: Contact by Object Ignition Likelihood

Contact by object ignition likelihood: The likelihood that a non-vegetative object (such as a balloon or vehicle) will contact electrical corporation-owned equipment and result in an ignition.

Contact from Object Ignition Likelihood, also referred to as Contact from Foreign Object Probability of Ignition (CFO POI), is the probability associated with objects other than vegetation (e.g., vehicles, balloon, animals, other, unknown, etc.) coming in contact with utility equipment and causing a fault or arcing event that leads to an ignition at a given location.

The pre-mitigated CFO POI for every asset is a probabilistic assessment of ignition likelihood prior to mitigation deployment.

Please also see the description above regarding Wildfire Likelihood and how SCE considers Wildfire Likelihood sub-components during the Review & Revise stage of the IWMS Risk Framework.

FRC4: Burn Probability

Burn probability: The likelihood that a wildfire with a nearby but unknown ignition point will burn a specific location within the service territory based on a probabilistic set of weather profiles, vegetation, and topography.

SCE assumes a continuous Burn Probability throughout all of its HFRA. SCE uses a deterministic, rather than probabilistic, modeling approach that identifies the maximum consequences from a range of weather scenarios to represent wildfire consequences for individual locations. The underlying premise of SCE's wildfire consequence model is that fuels are receptive enough to an ignition event to result in a Significant, Destructive, or Small fire (see definitions above in Wildfire Consequence) under the modeled 444 deterministic weather scenarios.

This modeling approach removes the need to separately determine burn probability to assess the relative receptiveness of vegetation to ignition events, given that fuels are already assumed to be fully

cured and highly receptive. Fuel data is updated regularly to reflect updated burn probability based on the current vegetation state across SCE's service territory.

As an additional data point, SCE has compared its wildfire consequence simulations to burn probability analysis performed by the U.S. Forest Service (USFS). See Section 6.4.1.2 for additional information.

FRC5: Wildfire Hazard Intensity

Wildfire hazard intensity: The potential intensity of a wildfire at a specific location within the service territory given a probabilistic set of weather profiles, vegetation, and topography.

Although SCE does not utilize wildfire hazard intensity metrics such as flame length (FL) or rate of spread (RoS) in the MARS or IWMS frameworks, SCE's Technosylva wildfire consequence estimates contain corresponding wildfire hazard intensity metrics.

SCE considers wildfire hazard intensity metrics such as flame length and rate of spread during its HFTD boundary review to model locations that require further analysis. Please see Section 6.4.1.2.

FRC6: Wildfire Exposure Potential

Wildfire exposure potential: The potential physical, social, or economic impact of wildfire on people, property, critical infrastructure, livelihoods, health, environmental services, local economies, cultural/historical resources, and other high-value assets. These may include direct or indirect impacts, as well as short- and long-term impacts.

SCE does not have a separate risk component for Wildfire Exposure Potential, as SCE considers all locations within its HFRA are subject to extreme or elevated wildfire exposure potential. Please see Section 6.4.1.2.

FRC7: Wildfire Vulnerability

Wildfire vulnerability: The susceptibility of people or a community to adverse effects of a wildfire, including all characteristics that influence their capacity to anticipate, cope with, resist, and recover from the adverse effects of a wildfire (e.g., access and functional needs customers, Social Vulnerability Index, age of structures, firefighting capacities).

Wildfire vulnerability in MARS is considered through a relative ranking of circuits based on the composite scoring of Access and Functional Needs (AFN) and Nonresidential Critical Infrastructure (NRCI) customers in comparison to other circuits in its HFRA.

The resulting AFN/NRCI Index is used in conjunction with SCE'S MAVF to amplify the safety component of the wildfire consequence score for a given location.

Wildfire vulnerability in IWMS is incorporated based on the consideration of locational risk factors including known Communities of Elevated Fire Concern (CEFCs), locations with high fire frequency and population egress, as well as locations which could trapped populations in identified egress locations (i.e., "Burn in Buffer"). Please see the explanation of the IWMS Risk Framework in earlier in this section.

FRC8: PSPS Exposure Potential

PSPS exposure potential: The potential physical, social, or economic impact of a PSPS event on people, property, critical infrastructure, livelihoods, health, local economies, and other high-value assets.

SCE does not have a separate risk component for PSPS Exposure Potential, as SCE considers all locations within its HFRA (and interconnected circuit segments that may be outside HFRA) as subject to PSPS exposure potential.

FRC9: PSPS Vulnerability

Vulnerability of community to PSPS (PSPS vulnerability): The susceptibility of people or a community to adverse effects of a PSPS event, including all characteristics that influence their capacity to anticipate, cope with, resist, and recover from the adverse effects of a PSPS event (e.g., high AFN population, poor energy resiliency, low socioeconomics).

Please see the discussion above regarding how Wildfire vulnerability is determined under the MARS Framework; SCE uses the same approach for PSPS vulnerability.

SCE calculates PSPS Vulnerability in the MARS Framework. In the IWMS Risk Framework, locations that experience frequent de-energizations and/or potential for PSPS events even when locations are fully covered are considered for mitigation. Please see the description of both frameworks earlier in this section and in Section 6.1.1 for the basis behind this approach.

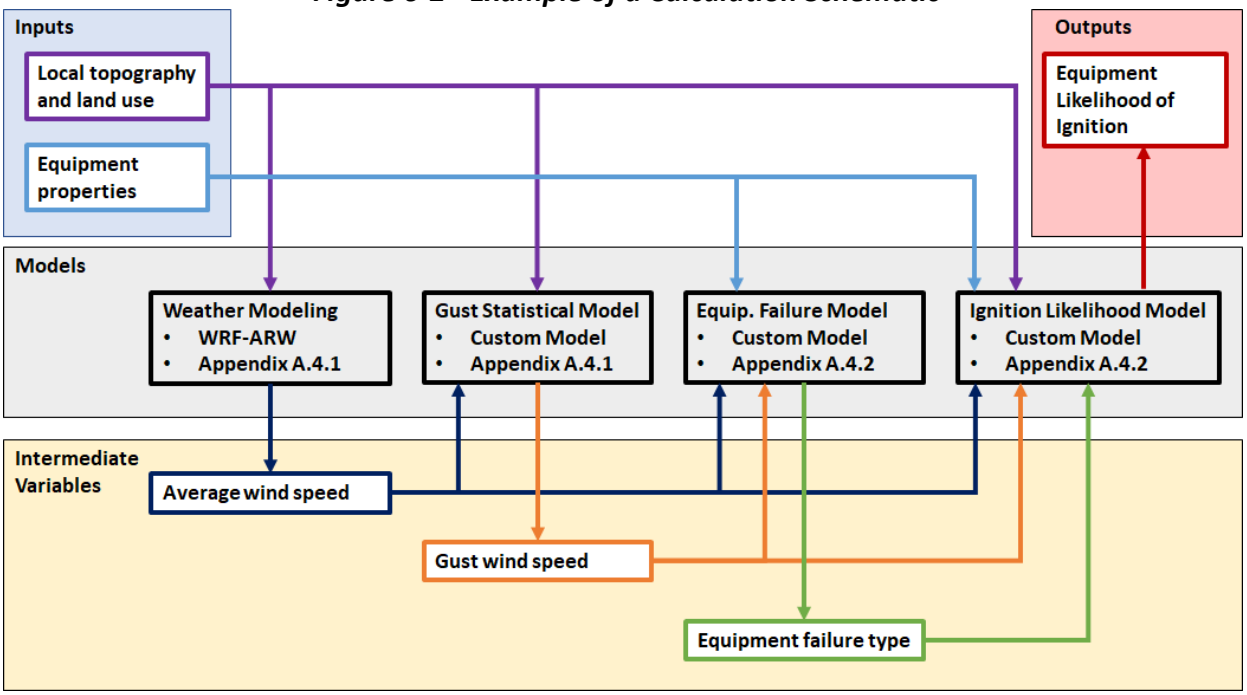
6.2.2 Risk and Risk Components Calculation

The electrical corporation must calculate each risk and risk component defined in Section 6.2.1. Appendix B, "Calculation of Risk and Risk Components," provides additional requirements on these calculations. These are the minimum requirements and are intended to establish the baseline evaluation and reporting of all electrical corporations. If the electrical corporation identifies other key factors as important, it must report them in the WMP in a similar format.

The electrical corporation must provide schematics illustrating the calculation of each risk and risk component as necessary to demonstrate the logical flow from input data to outputs, including separate items for any intermediate calculations.

Figure 6-2 provides an example of a calculation schematic for the equipment likelihood of ignition.

Figure 6-2 - Example of a Calculation Schematic



The electrical corporation must summarize any differences between its calculation of these risk components and the requirements of these Guidelines. These differences may include any of the following:

- ***Additional input parameters** beyond the minimum requirements for a specific risk component*
- ***Calculations of additional outputs** beyond the minimum requirements for a specific risk component*
- ***Calculations of additional risk components** defined by the electrical corporation in Section 6.2.1*

The process used to combine risk components must be summarized for each relevant risk component. This process must align with applicable CPUC decisions regarding the inclusion of Risk Assessment and Mitigation Phase (RAMP) filings. If scaling factors (such as multi-attribute value functions [MAVFs] or representative cost) are used in this combination, the electrical corporation must present a table with all relevant information needed to understand this procedure. The electrical corporation must organize this discussion into the following two subsections focusing on likelihood and consequence.

Diagrams for Risk Components

SCE has developed calculation schematics and input/output diagrams for each risk component, except for the five components that SCE does not calculate directly or are addressed through other risk components (i.e., Wildfire Likelihood, Burn Probability, Wildfire Hazard Intensity, Wildfire Exposure Potential, and PSPS Exposure Potential).

The diagrams are provided in Appendix B: Supporting Documentation for Risk Methodology and Assessment, as well as the additional information for each risk component required by Appendix B: Supporting Documentation for Risk Methodology and Assessment. The diagrams are provided in Appendix B: Supporting Documentation for Risk Methodology and Assessment, as well as the additional information for each risk component required by Appendix B: Supporting Documentation for Risk Methodology and Assessment.

6.2.2.1 Likelihood

The electrical corporation must discuss how it calculates the likelihood that its equipment (through normal operations or failure) will result in a catastrophic wildfire and the resulting likelihood of issuing a PSPS. The risk components discussed in this section must include at least the following:

- *Ignition likelihood*
    - *Equipment failure likelihood of ignition*
    - *Contact from vegetation likelihood of ignition*
    - *Contact from object likelihood of ignition*
- *Burn probability*
- *PSPS likelihood*

IRC1: Ignition Likelihood

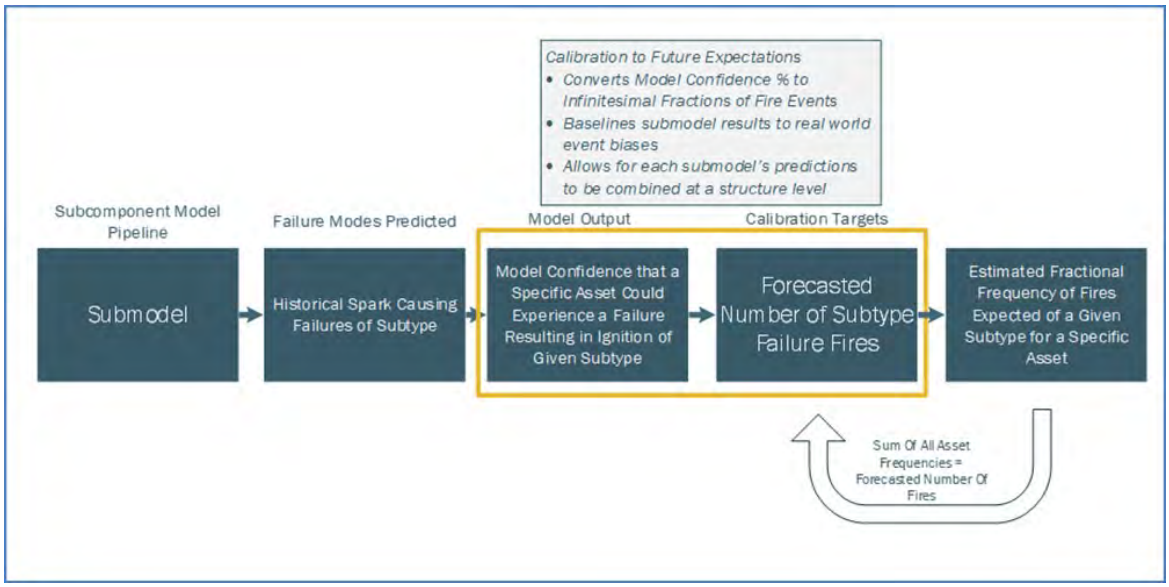
As noted in the previous section, SCE considers Ignition Likelihood to be synonymous with Probability of Ignition (POI). The pre-mitigated POI for every asset is a probabilistic assessment of ignition likelihood prior to mitigation deployment.

Figure SCE - 6-18 Probability of Ignition

$$Probablity\ of\ Ignition\ = POI_{EFF} + POI_{CFOVeg} + \ POI_{CFO} - Other$$

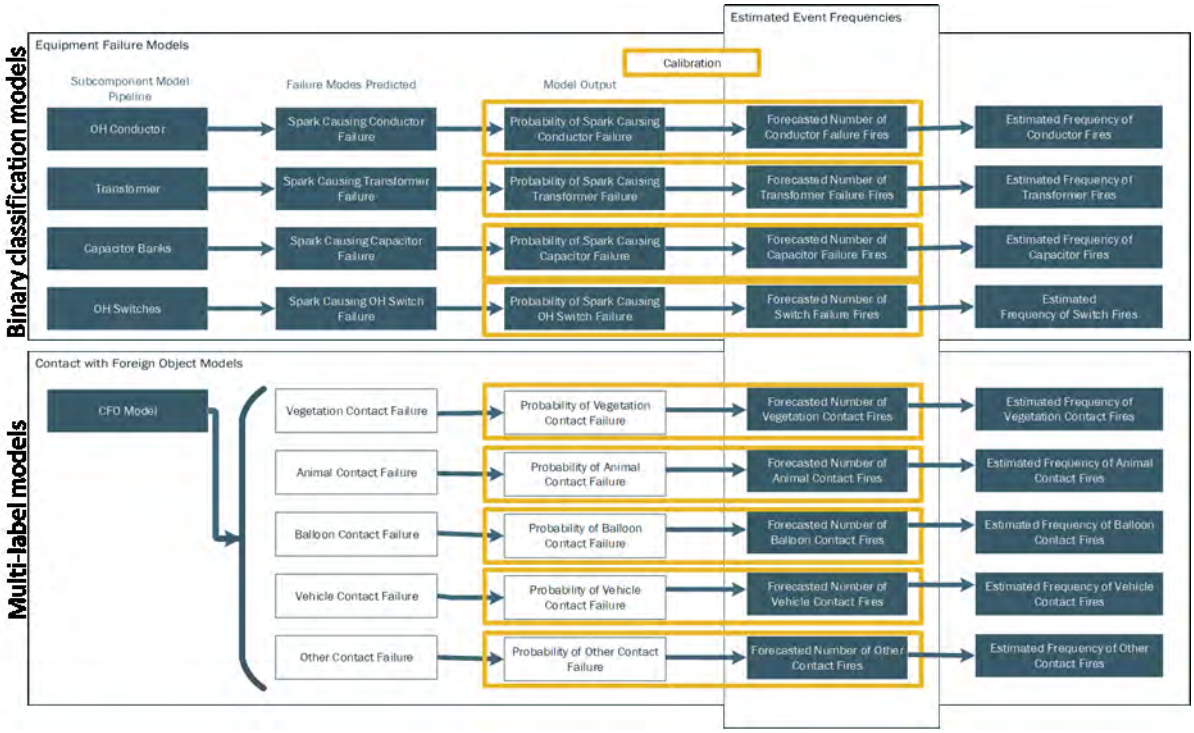
The conditional POI associated with EFF and CFO probabilities are based on the sum of individual component probabilities of individual subcomponent models (e.g., EFF-conductor, CFO- vegetation, etc.). These subcomponent models utilize machine learning (ML) algorithms to assess the relevance of ignition drivers relevant to that subcomponent type. For instance, each EFF related subcomponent model uses historical asset outage data, current asset condition (e.g., age, voltage, inspection results, etc.)., and relevant environmental attributes (e.g., historical wind, asset loading, number of customers, temperature, relative humidity etc.).

Figure SCE 6-19 - Schematic for Individual SCE Probability of Ignition Subcomponent Models



SCE performs data synthesis and quality checks on each of these individual subcomponent models. These models are tested and updated using new observed failures and new inspection, remediation, or replacement information.

Figure SCE 6-20 - Schematic for SCE Probability of Ignition Model



These statistical models are created with the assumption that a given set of explanatory data is what contributes to a failure or non-failure outcome. With this, machine learning models use historical environmental, physical, and electrical variables paired with their actual records of failures to derive statistical insights. The historical data used to derive subcomponent POIs are divided into a training set, a testing set randomly stratified from the same time period as the training set, and a validation set of data held out from a year the model has never seen.

The training set is used to train the model by finding patterns in how independent variables led to dependent variables or outcomes and is the only data that affects the decision thresholds within a model. The test set is not used to train the model, but to measure model accuracy by comparing model predictions to actual outcomes.

The validation set is also not used to train the model. These data are used to measure the accuracy of the model by determining if the model degrades over time. See

Figure SCE 6-21 and Figure SCE 6-22, below.

Figure SCE 6-21 - Schematic of POI Subcomponent Model Calculation

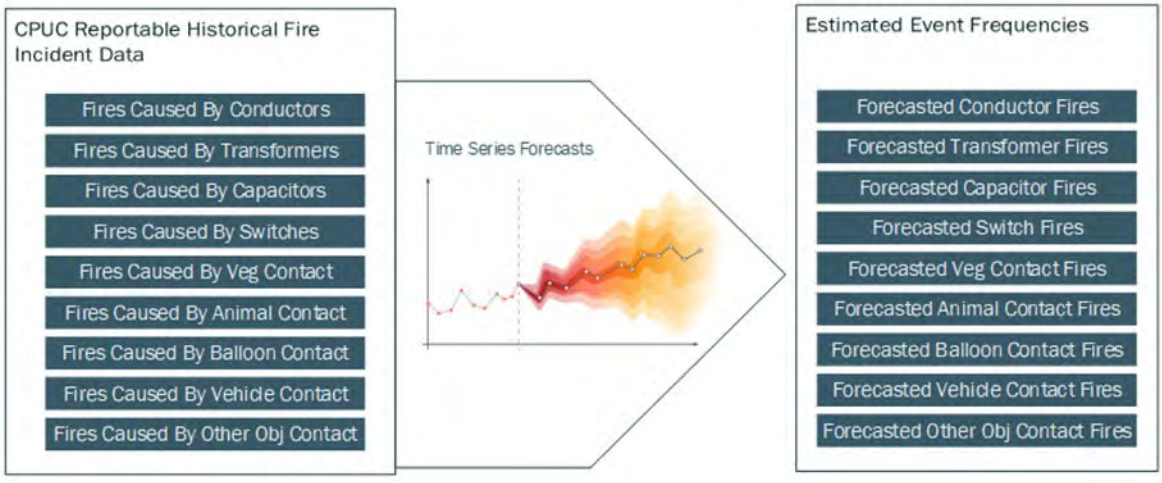
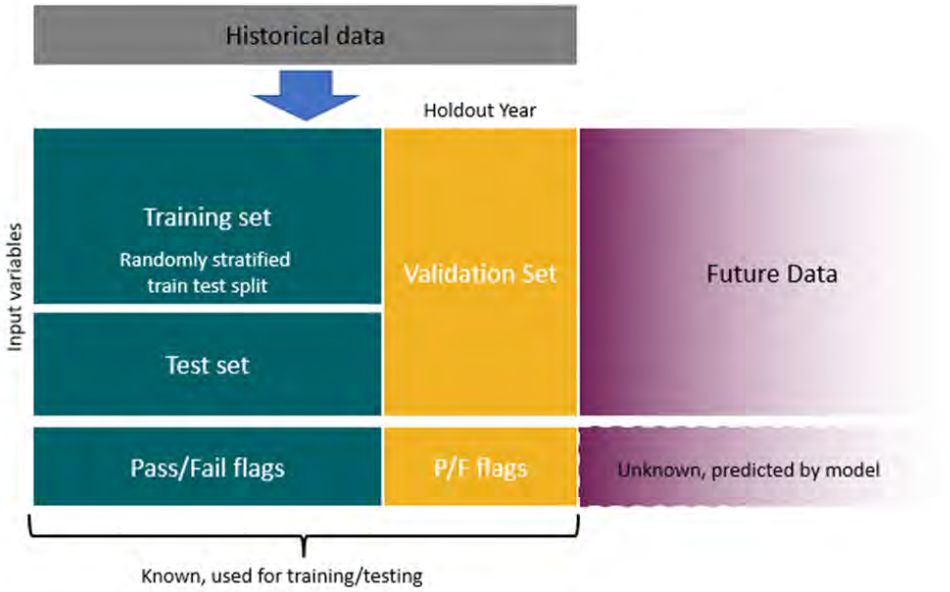


Figure SCE 6-22 - Schematic of POI Subcomponent Testing, Training, and Validation



Subcomponent and overall model performance is measured by the statistical significance of model and subcomponent model predictions between the training set and testing set, as well as the training data set and the validation data set. Known historical failures are withheld from model training and the model is "tested" to see if it can predict them. How often the model accurately predicts an ignition event is quantifiable and provides confidence in its future predictions. SCE utilizes two widely accepted methods of quantifying model performance - the Confusion Matrix and the Receiver Operating Characteristic (ROC).

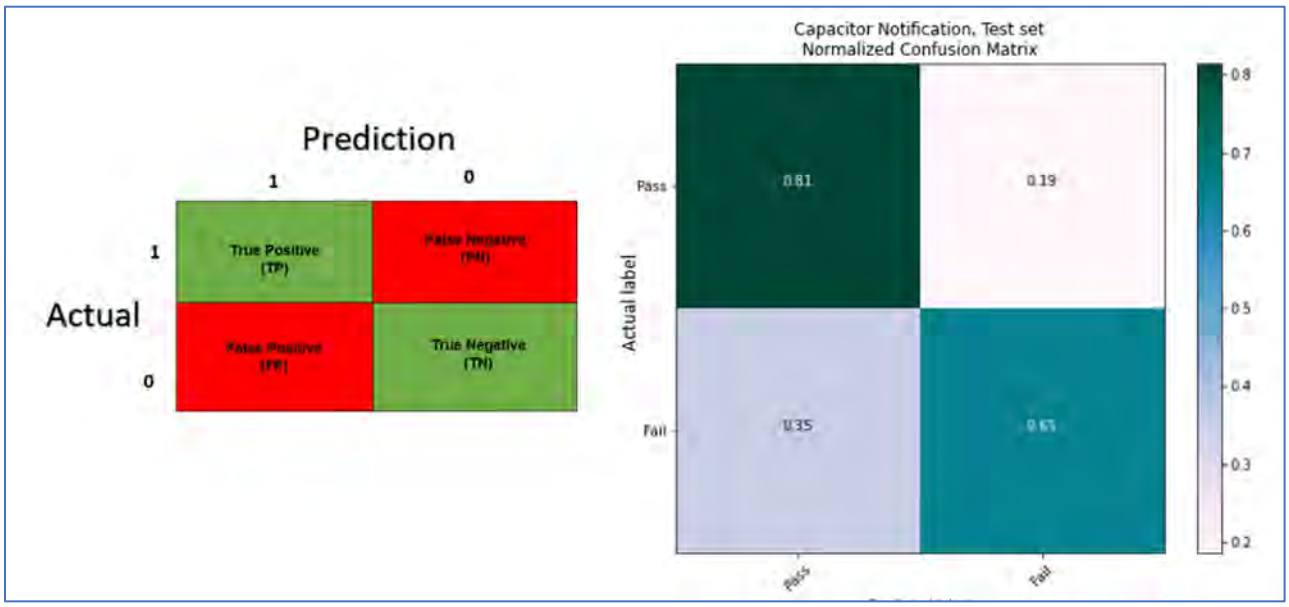
The Confusion Matrix (see Figure SCE 6-23, below) is a metric structure that organizes the predictions of a predictive model into buckets based on whether the predictions are correct. They are used to compare correct and incorrect predictions of the algorithm based on a set of known outcome data (e.g., test set) to determine how often the model predicted failures and non-failures correctly (true positive and true negative rates, respectively), as well as the occurrences when the model predicted incorrectly (false positive and false negative, respectively).

Assuming the convention that a positive prediction is an ignition prediction, and conversely a negative prediction is a non-ignition prediction, a true positive prediction is when the model predicts that an ignition is likely to occur which agrees with what happened. A true negative result occurs when the model correctly predicts that no ignition event occurred in the test set period. A false positive result occurs when the model predicts that an ignition may occur but in the test set, it did not. A false negative result occurs when the model predicts an ignition is unlikely, but the test data shows it did.

The diagonal elements denote how often the model was correct, and the off-diagonal elements measure how often the model is incorrect. The true positive rate is also known as the model "sensitivity" or "recall," the false positive rate is also known as "type 1 error," and the false negative is also known as "type 2 error." The machine learning models calculate probabilities, which are a continuum of values from 0-100%. These confusion matrices are made by picking a decision threshold (often 50%) where, if the probability is greater than this threshold, the event is said to be likely to occur

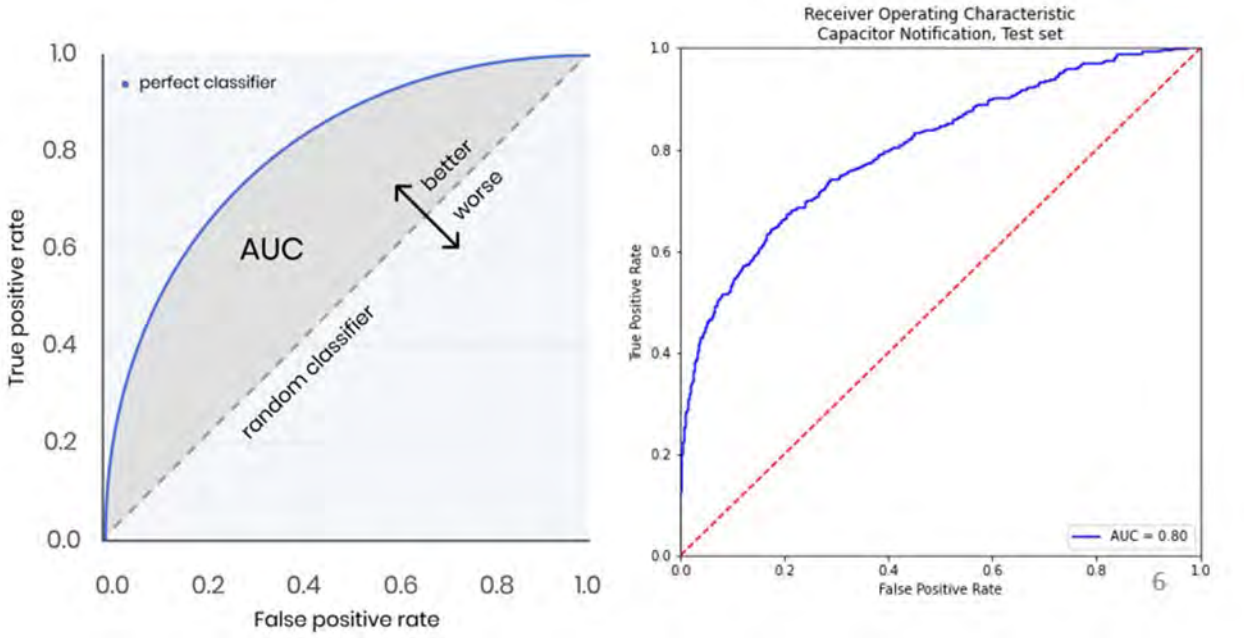
and vice versa. It is important to note this matrix results in a relative and comparative ranking of model performance.

Figure SCE 6-23 - Schematic of POI Validation Confusion Matrix



In addition to the Confusion Matrix, SCE uses the ROC curve to measure accuracy of each subcomponent model, as the overall model behaves based on different probability thresholds, as represented by the solid blue line in Figure SCE 6-24 As mentioned, the confusion matrix is sensitive to the decision threshold and there is often a tradeoff in discriminating true failures at the expense of increasing the false failure rate. A way to summarize the ROC curve into a single metric is by taking the integral of the true positive rate with respect to the false positive rate or calculating the Area Under the Curve (AUC). If the model were to perfectly classify the train, test, and validation data, the AUC would result in a score of 1.0 (100%) “true positive” result. If the model were to randomly select “true positive” results 50% of the time, the AUC would result in a score of 0.5 (50%), which is no better than a random guess or colloquially a “coin toss”, as represented by the dotted red line in Figure SCE 6-24.

Figure SCE 6-24 - Schematic of POI ROC Curve



IRC2: Wildfire Likelihood

SCE does not differentiate between Ignition Likelihood and Wildfire Likelihood. As described above in the discussion of Ignition Likelihood and earlier in Section 6.1.1, SCE models potential fire behavior and spread from individual utility asset locations.

FRC1: Equipment Failure Likelihood of Ignition

EFF POI (synonymous with Equipment Failure Likelihood of Ignition) is the sum of the EFF ignition component sub models (e.g., conductor POI, switch POI, transformer POI, etc.) probabilities at a given location.

EFF POI utilizes similar algorithms and model performance metrics as described above regarding Ignition Likelihood.

FRC2: Contact from Vegetation Likelihood of Ignition

CFO – Veg. POI utilizes similar algorithms and model performance metrics as described above regarding Ignition Likelihood.

FRC3: Contact from Object Likelihood of Ignition

Contact from Object Ignition POI (e.g., vehicles, balloon, animals, other, unknown, etc.) utilizes similar algorithms and model performance metrics as described above regarding Ignition Likelihood.

FRC4: Burn Probability

Please see Section 6.2.1 for how SCE considers this risk component.

IRC4: PSPS Likelihood

To estimate PSPS Likelihood (also referred to by SCE as POD), SCE derived a 10-year historical climatology of PSPS weather conditions along distribution circuits. This historical climatology was used to determine the extent by which recent years experienced de-energization conditions at above- or below-average frequency, and to what degree mitigations reduce de-energization frequency.

SCE used a gridded historical dataset available at a two-kilometer by two-kilometer spatial resolution over the entire SCE territory to derive this historical climatology. The gridded dataset provided consistent data coverage and a sufficient period of length to derive the average number of hours each circuit would have exceeded PSPS de-energization criteria in the modeled data using specific thresholds. This information was used to derive the historical exceedance of circuit de-energization conditions based on unhardened de-energization thresholds.

SCE then adjusted these de-energization thresholds to simulate a fully hardened forecast exceedance post mitigation deployment. The resulting estimate provided a pre-and post-POD based on the number of hours each circuit might exceed PSPS conditions once hardened, assuming average future conditions are similar to historical climatological conditions.

SCE notes the historical climatology is driven by observed historical atmospheric conditions. Terrain and meteorological resolution are constrained to the same computational limitations. The ability to represent complex terrain is limited, as is representation of small-scale weather features that play important factors in determining local wind speeds. Additionally, climate change literature does not definitely point to a likely increase or decrease in potential future high wind conditions.

6.2.2.2 Consequence

The electrical corporation must discuss how it calculates the consequences of a fire originating from its equipment and the consequence of implementing a PSPS event. The risk components discussed in this section must include at least the following:

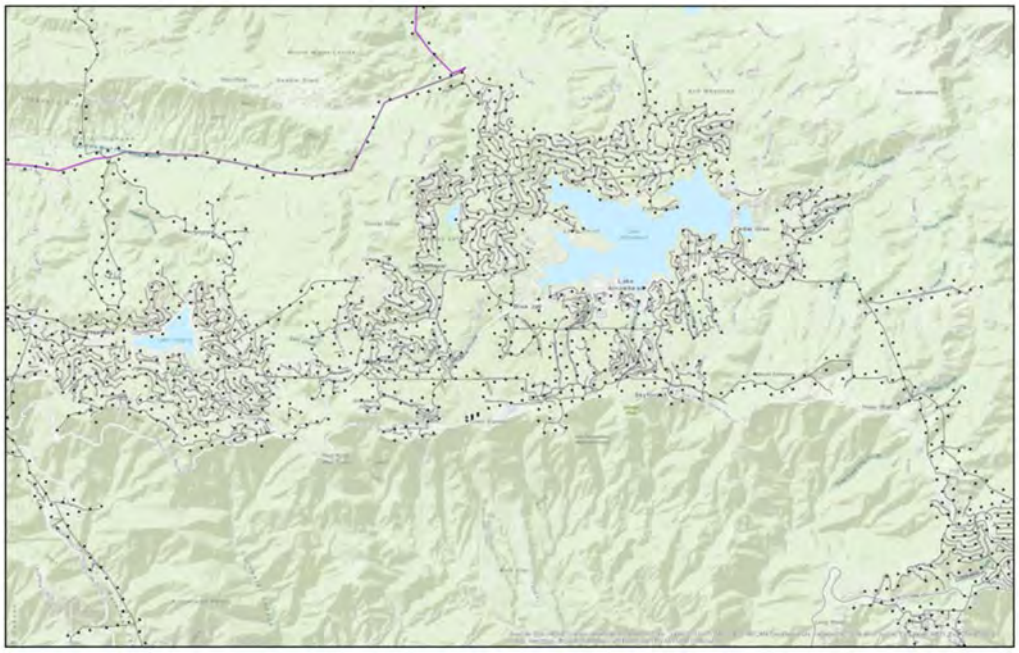
- *Wildfire consequence*
- *Wildfire hazard intensity*
- *Wildfire exposure potential*
- *Wildfire vulnerability*
- *PSPS consequence*
- *PSPS exposure potential*
- *PSPS vulnerability*

IRC3: Wildfire Consequence

SCE utilizes Technosylva-based wildfire modeling tools to assess wildfire consequences based on deterministic match-drop simulations at utility asset location (see Figure SCE 6-25) for a consistent unsuppressed 8 hour burn period. The use of deterministic match drop simulations allows SCE to isolate ignitions associated with wildfire simulations along utility assets and assign the resulting natural unit consequences back to those assets.

The use of a consistent unsuppressed 8 hour burn period allows for direct comparison of the resulting consequences. An eight hour burn period is used to represent the first burn period of which there is certainty in the fuel, wind, and weather conditions at the time of the initial ignition. As evident by CPUC analysis[89] of utility 2019 PSPS events, there is inherent uncertainty in the fuel, wind, weather, as well as suppression, evacuation, and other community response variables beyond the initial burn period.

Figure SCE 6-25 - Example of Ignition Points (Black Dots) in Proximity to Utility Assets (Gray Lines)

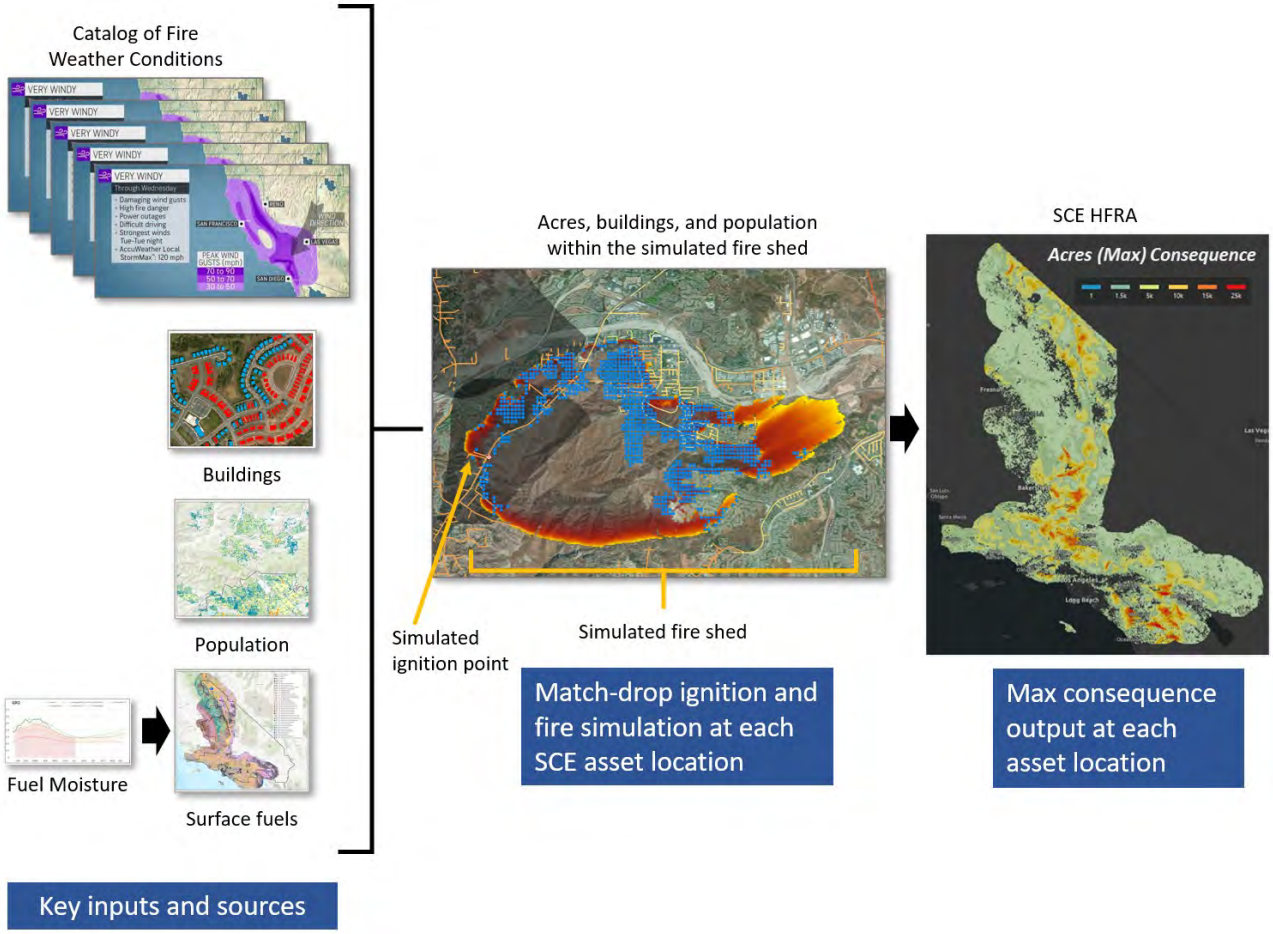


SCE uses the maximum model consequence across the 444 modeled weather scenarios simulated along each of the 29 million match drop simulation ignition points. These 444 modeled weather scenarios reflect the 41 weather scenarios used by the CPUC in the development of the utility HFTD map, as well as 403 additional weather scenarios reflective of dry fuel conditions with or without the presence of significant wind (i.e., fuel-driven fires). For longer-term planning purposes, SCE utilizes a 2030 fuel layer reflecting likely fuel regrowth patterns in fire scars greater than 5,000 acres.

[89] https://www.cpuc.ca.gov/consumer-support/psps/technosylva-2019-psps-event-wildfire-risk-analysis-reports

SCE assigns the resulting maximum natural unit consequences (e.g., acres, building, and population) across the 444 simulated weather scenarios to the asset in proximity to those match drop simulation using zonal statistics. The resulting natural unit acres and building consequences are translated into financial values (e.g., suppression and restoration costs per acre, and building replacement value). Natural unit population consequences (e.g., fatalities and series injuries) are translated into a safety index (e.g., one serious injury equals one quarter of a fatality). SCE also assumes eight hours of customer interruption along the circuit in which the ignition propagated. The resulting reliability values – the product of eight hours of interruption and the number of customers on a given circuit – are used as a conservative estimate of the potential reliability impacts of a resulting wildfire. See Figure SCE 6-26.

Figure SCE 6-26 - Schematic of SCE Wildfire Consequence Modeling (8 hours, unsuppressed)



Below SCE provides additional information about how consequences are translated into a MARS score.

Safety Consequences: SCE defines serious injuries and fatalities as those associated with both members of the public and firefighters injured during a wildfire event based on known reported information. To estimate Safety Consequence associated with individual wildfire simulations, SCE uses a ratio of 256 structures impacted to one fatality, and a ratio of 107 structures impacted to one serious injury. These ratios are based on recent historical wildfires in SCE's service territory. These safety consequences are then combined into a Safety Index in which one serious injury is equal in value to one quarter fatality.

$$Safety\ Index = (1 \times Fatalities + \frac{1}{4} \times Serious\ Injuries)\ \times Wildfire\ Vulnerability$$

Reliability Consequences: SCE assumes an eight-hour service interruption for each customer account on the circuit from which that ignition occurred. SCE understands these numbers may be a conservative

estimate given that fire sheds may impact multiple circuits during an actual wildfire event. These impacts are represented by the number of customer minutes of service interruptions (CMI).

$$Reliability = Customers\ \times (8\ hours\ \times 60\ minutes)$$

Financial Consequences: SCE uses average cost information representing costs associated with damage to physical structures, as well as firefighting suppression costs and land restoration costs for each individual wildfire simulation. To model socio-economic equity across SCE's service territory, SCE uses a system-wide average estimated cost of $940,337 per structure impacted.[90] SCE understands these numbers may be a conservative estimate given that insured losses may exceed actual structure values for each wildfire event. SCE also uses a per-acre fire-fighting suppression cost figure of $876; and a per acres land restoration cost of $1,460.[91]

$$Financial = (\#\ of\ Structures)\ \times (\$940{,}337) + (\#\ of\ Acres)\ \times (\$876) + (\#\ of\ Acres)\ \times (\$1{,}460)$$

Overall MARS Risk Score

In Table SCE 6-05, SCE summarizes the associated attributes, units, weights, ranges and scaling functions to convert natural units of consequences (e.g., CMI, dollars, safety) into a unit-less risk score. These components were based on the principles set forth in the S-MAP Settlement and presented in SCE's 2022 RAMP filing.

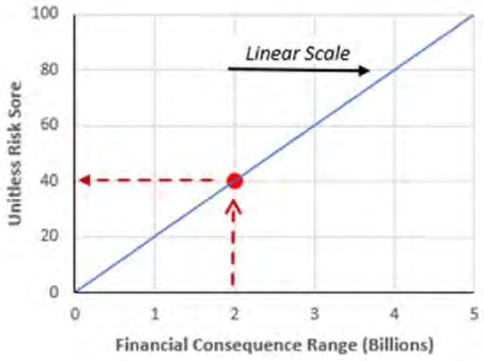
Table SCE 6-05 - MARS Conversion Table

Attribute	Units	Weight	Range	Scaling Factor
Safety	Index	50%	0 - 100	Linear
Reliability	Customer Minutes of Interruption (CMI)	25%	0 - 2 Billion	Linear
Financial	Dollars	25%	0 - 5 Billion	Linear

[90] Estimated average structure value is based on the RMS industry exposure database (IED) for SCE's service area.
[91] Suppression costs are based on a five-year average of California's reported wildfire suppression costs from 2016-2020.

Figure SCE 6-27 provides a step-by-step illustrative example using the weights, ranges and scaling functions to transform consequences (in this example Financial) into a unitless risk score. The same methodology would be used for the safety and reliability consequences.

Figure SCE 6-27 - MARS Conversion Steps



Step	Action	Value
1	Identify Consequence Value	$2 Billion
2	Determine Scaled Score	40
3	Identify Attribute Weight [Financial]	25%
4	Apply Weight to Scaled Score	10 = 25% * 40
5	**Financial Risk Score (MARS)**	**10**

SCE's Use of a Deterministic Approach & Evaluating Wildfire Consequence Results

Given that future weather conditions are not known, match drop simulations (i.e., deterministic) using maximum observed fire weather conditions more appropriately reflect the relative wildfire risk associated with ignitions in proximity to utility assets than probabilistic methods that are based on a range of weather conditions.

Probabilistic methods rely on past historical information to project forward wildfire trends based on an analysis of several partially isolatable variables leading to wildfire ignition (e.g., the susceptibility of fuels to wildfire ignition) and post-ignition decision making (e.g., wildfire suppression decision making and resourcing). These probabilistic methods typically do not properly reflect upward or downward trends in climate change or changes in the amount of availability suppression resources.

While empirical estimations regarding the impact of the dynamic risks of climate change and/or suppression can be added to probabilistic models, it is difficult to discern the relative contribution of each of these variables on the overall model as their impacts would likely vary by location. It is also not clear to what extent probabilistic models would produce a superior result over deterministic models (see Leuenberger et. al 2018).[92]

In the IWMS Risk Framework, SCE categorizes simulated wildfires based on three definitions:

> **Significant Fires** are simulated fires that, at 8 hours after ignition, burned more than 10,000 acres or had at least one fatality or had at least 50 structures impacted.
>
> **Destructive Fires** are simulated fires that, at 8 hours after ignition, burned between 300 acres and 10,000 acres with zero fatalities and/or had fewer than 50 structures impacted.

[92] "Wildfire susceptibility mapping: Deterministic vs. stochastic approaches", *Environmental Modelling & Software*, Volume 101, March 2018, Pages 194-203. https://www.sciencedirect.com/science/article/abs/pii/S1364815217303316?via%3Dihub

Small Fires are simulated fires that, at 8 hours after ignition, burned less than 300 acres with zero fatalities and no structures impacted.

Please see the description of the IWMS methodology in Section 6.2.1 for additional discussion of how these results are used to inform the three risk tranches within IWMS.

FRC5: Wildfire Hazard Intensity

Please see Section 6.2.1 for how SCE considers this risk component.

FRC6: Wildfire Exposure Potential

Please see Section 6.2.1 for how SCE considers this risk component.

FRC7: Wildfire Vulnerability

SCE has developed a multiplier to represent the vulnerability of customers to a wildfire or PSPS event. The purpose of this multiplier is to amplify the safety index based on the relative ranking of those circuits compared to other circuits in HFRA based on the total AFN and NRCI customers on those circuits.

AFN customers include those customers which are subject one or more of the following criteria: Critical Care, disabled, Medical Baseline, Low Income, limited English, pregnant, children. NRCI customers include those customers in the Healthcare and Public Health, Water and Wastewater Systems, Emergency Services, Communication, Transportation, Government Facilities, or Energy sectors.

An AFN multiplier value of "2" represents the highest AFN score compared to other circuits in the HFRA; an AFN multiplier value of "1" represents a circuit with an AFN score of zero. Similarly, a circuit with an NRCI multiplier value of "2" represents the highest NRCI score compared to all of the other circuits in HFRA; an NRCI score of "1" represents a circuit with a NRCI score of zero.

In the case of Wildfire Vulnerability, this multiplier represents the relative level of support that an individual or entity would need in the case of a wildfire event.

$$AFN_{CircuitMultiplier} = 1 + \frac{AFN\ ScoreCircuit}{AFN\ Score_{Max}}$$

$$NRCI_{CircuitMultiplier} = 1 + \frac{NRCI\ ScoreCircuit}{NRCI\ Score_{Max}}$$

$$Wildfire\ Vulnerability_{Circuit} = AFN_{CircuitMultiplier} \times NRCI_{CircuitMultiplier}$$

Wildfire vulnerability in IWMS is incorporated based on the consideration of locational risk factors including known Communities of Elevated Fire Concern (CEFCs), locations with high fire frequency and population egress, as well as locations in which an ignition could cause a wildfire which could spread to and trap populations in identified egress locations (i.e., "Burn in Buffer"). Please see the description of the IWMS Risk Framework in section 6.2.1.

IRC5: PSPS Consequence

SCE estimates PSPS Consequences associated with a proactive de-energization event by using the number of customers impacted along with the potential frequency and duration of those events to estimate potential safety, reliability, and financial impacts.

Safety Consequences: SCE multiplies the total customers in scope by three to estimate the total population impacted. The resulting total population impacted is then multiplied by a safety conversion factor, based epidemiological data from the 2003 Northeast Blackout event as a data point[93], to estimate the number of fatalities. These safety consequences are combined into a Safety Index in which one serious injury is equal in value to one quarter fatality. SCE adjusts the Safety Index by the applicable PSPS Vulnerability multiplier for the circuit in scope.

$$Safety\ Index = (Population\ \times Safety\ Conversion\ Factor)\ \times PSPS\ Vulnerability$$

Reliability Consequences: SCE assumes an 8-hour service interruption for each customer account on the circuit in scope for that event. SCE understands these numbers may be a conservative estimate given that SCE attempts to minimize the number of customers in scope for a given PSPS event. These impacts represent the number of customer minutes of service interruptions (CMI).

$$Reliability = Customers\ \times (8\ hours\ \times 60\ minutes)$$

Financial Consequences: SCE uses the number of customers to estimate the potential financial impact. SCE uses $250 per customer service account, per de-energization event, to approximate potential financial losses, recognizing that some customers may experience no financial impact, while other customer losses may exceed $250[94].

$$Financial = Customers\ \times \$250\ per\ event$$

[93] That blackout lasted for 48 hours, impacted 50 million people, and was recorded to have 100 fatalities, which converts to 4.2 x 10-8 fatalities / people-hrs. Other data points include the 2011 Southwest blackout and the 2019 PSPS outages in SCE service area, though no fatalities were attributed to those events.

[94] This is not an acknowledgment that any given customer has or will incur losses in this amount, and SCE reserves the right to argue otherwise in litigation and other claim resolution contexts, as well as in CPUC regulatory proceedings. This estimate is based on a number of factors including SCE internal Value of Service (VoS) studies, claims information, as well as benchmarking with other utilities.

Overall MARS Risk Score

SCE uses the same weights, ranges, scaling functions as described above in the explanation of Wildfire Consequence.

FRC8: PSPS Exposure Potential

Please see section 6.2.1 for how SCE considers this risk component.

FRC9: PSPS Vulnerability

Please see the discussion above regarding how Wildfire vulnerability is determined under the MARS Framework; SCE uses the same approach for PSPS vulnerability.

$$PSPS\ Vulnerability_{\ Circuit} = AFN_{\ CircuitMultiplier} \times NRCI_{\ CircuitMultiplier}$$

6.2.2.3 Risk

The electrical corporation must discuss how it calculates each risk and the resulting overall utility risk defined in section 6.2.1. The discussion in this section must include at least the following:

- *Ignition risk*
- *PSPS risk*
- *Overall utility risk*

R2: Ignition Risk

Ignition Risk (synonymous with Wildfire Risk) is calculated as the product of the sum of all Ignition Likelihood components and Wildfire Consequence for each asset in SCE's HTFD. The safety score for each segment is the product of the safety subcomponent of Wildfire Consequence and Wildfire Vulnerability.

$$Ignition\ Risk = Ignition\ Likelihood\ x\ Wildfire\ Consequence$$

R3: PSPS Risk

PSPS risk is calculated as the product of PSPS Likelihood (synonymous with Probability of De-energization (POD)) and PSPS Consequence for each asset in SCE's HTFD.

$$PSPS\ Risk = PSPS\ Likelihood\ x\ PSPS\ Consequence$$

R1: Overall Utility Risk

Overall Utility Risk is calculated as the sum of Ignition Risk and PSPS Risk for each asset in SCE's HTFD.

$$Overall\ Utility\ Risk = Ignition\ Risk + PSPS\ Risk$$

6.2.3 Key Assumptions and Limitations

Because the individual elements of risk assessment are interdependent, the interfaces between the various risk models and mitigation initiatives must be internally consistent. In this section of the WMP, the electrical corporation must discuss key assumptions, limitations, and data standards for the individual elements of its risk assessment. This must include the following:

- ***Key modeling assumptions** made specific to each model to represent the physical world and to simplify calculations*
- ***Data standards,** which must be consistently defined (e.g., weather model predictions at a 30-ft [10-m] height must be converted to the correct height for fire behavior predictions, such as mid-flame wind speeds)*
- ***Consistency of assumptions and limitations** in each interconnected model, which must be traced from start to finish, with any discrepancies between models discussed*
- ***Stability of assumptions in the program**, including historical and projected changes*

More mature programs regularly monitor and evaluate the scope and validity of modeling assumptions. Monitoring and evaluation categories may include:

- ***Adaptation of weather history** to current and forecasted climate conditions*
- ***Availability of suppression resources** including type, number of resources, and ease of access to incident location*
- ***Height of wind driving fire spread** / wind adjustment factor calculation*
- ***General equipment failure rates** / wind speed functional dependence for unknown components*
- ***General vegetation contact rates** / wind speed functional dependence for unknown species*
- *Height of electrical equipment in the service territory*
- ***Stability of the atmosphere** and resulting calculation of near-surface winds*
- ***Vegetative fuels** and fuel models including adaptations based on fuel management activities by other Public Safety Partners*
- ***Combination of risk components / weighting of attributes** in alignment with most recent decision issued by the CPUC for inclusion in RAMP filings*
- *Wind load capacity for electrical equipment in the service territory*

- *Number, extent, and type of community assets at risk in the service territory*
- *Proxies for estimating impact on customers and communities in the service territory*
- *Extent, distribution, and characteristics of vulnerable populations in the service territory*

The electrical corporation must document each assumption in Table 6-2. The electrical corporation must summarize detailed assumptions made within models in accordance with the model documentation requirements in Appendix B.

Key Modeling Assumptions

Please see Table 6-2, where SCE provides its key modeling assumptions and approach for the attributes listed above. SCE uses its own historical data, research, and studies relevant to wildfire risk assessment as well as those required in other applicable regulatory forums. SCE looks forward to additional discussion regarding the applicability of these modeling components in forthcoming OEIS risk modeling working groups. Please see Appendix B: Supporting Documentation for Risk Methodology and Assessment for additional information on key modeling assumptions.

Data Standards

The data standards that SCE adopts in its risk modeling is based on the granularity of available data (e.g., segment or functional location level). Where appropriate, SCE has provided the data standard it uses for the key modeling assumption for the attributes listed. Please see Appendix B: Supporting Documentation for Risk Methodology and Assessment for additional information on data standards.

Consistency of Assumptions and Limitations

SCE has provided its assumptions and the limitations it sees it those assumptions in Table 6-2. SCE's key modeling assumptions are used consistently across its risk models. Additional technical information can be found in Appendix B: Supporting Documentation for Risk Methodology and Assessment.

Stability of Assumptions in the program

As provided in Table 6-2, SCE understands there are limitations of these assumptions and consistently updates these assumptions (e.g., fuels, weather scenarios, drivers, etc.) for its risk modeling as necessary and/or as data is available.

Table 6-2 - Risk Modeling Assumptions and Limitations

	Assumption	Justification	Limitation	Applicable Models
Adaptation of Weather History	SCE leverages 2009-2020 weather data generated from its weather research and forecasting (WRF) to identify weather variables associated with fire incidents (see Section 8.3.5).	SCE uses machine learning algorithms to associate applicable weather variables from the WRF model at the time of fault/ignition events.	SCE's WRF has a limited spatial granularity of 2KM x 2KM. These historical weather data may not be reflective of future weather conditions.	POI
	SCE uses 444 weather days from SCE's historical climatology as described above.	These weather days represent fire weather conditions in each of SCE's Fire Climate Zones (FCZs).	In order to increase accuracy and meet the underlying 30m cell size resolution of the fuels data, 2 KM x 2 KM weather data is interpolated spatially using a bilinear interpolation scheme. These historical data may not be reflective of future fire weather conditions.	Wildfire Consequence

	Assumption	Justification	Limitation	Applicable Models
Availability of Suppression Resources	SCE does not account for historical or future fire suppression.	The use of a consistent unsuppressed 8-hour burn period across all fire simulations allows for comparable benchmarking of the resulting consequences across assets	There is inherent uncertainty in agent-based activities, such as fire suppression. The overlapping jurisdiction, availability, and coordination of resourcing decisions as well as the timeliness of those decision-making processes based on the ignition detection time make it challenging to model. SCE also notes that in many cases, fire agencies must respond to multiple concurrent fire events, adding additional complexity to wildfire suppression decision-making. Calibration of historical fires alone does not reflect these decision-making processes. In lieu of artificially	Wildfire Consequence

	Assumption	Justification	Limitation	Applicable Models
			adjusting consequences based on fire suppression, SCE has chosen to not to bias these simulations.	
Height of Wind Driving Fire Spread	Fire simulations require wind speed at midflame to compute surface fire spread and at 20ft to compute crown fire characteristics. To convert the initial 10m wind speeds from WRF to 20ft, we use a wind adjustment factor (WAF) from Andrews (2012).	The model is based on the work of Albini and Baughman (1979) and Baughman and Albini (1980), using some assumptions made by Finney (1998).	The sheltered WAF assumes that the wind speed is approximately constant with height below the top of a uniform forest canopy. Sheltered WAF is based on the fraction of crown space occupied by tree crowns.	Wildfire Consequence
General Equipment Failure Rates	SCE bases its equipment failure rates on its predictive models for Equipment/Facility Failure) EFF) subcomponents using 2015-2020+ equipment failure data for its modelled assets.	SCE uses machine learning algorithms to develop predictive models for equipment failure that are validated and tested for accuracy for inclusion in our probabilistic assessment for risk calculations.	SCE uses historical data which may not be an indicator of future equipment failure rates.	POI

	Assumption	Justification	Limitation	Applicable Models
General Vegetation Contact Rates	SCE bases its vegetation contact rates on its predictive model for Contact from Foreign Object (CFO) subcomponent using 2015-2020+ CFO outages for vegetation sub drivers.	SCE uses machine learning algorithms to develop predictive models for vegetation contact that are validated and tested for accuracy for inclusion in our probabilistic assessment for risk calculations.	SCE uses historical data which may not be an indicator of future vegetation contact rates.	POI
Height of Electrical Equipment in the Service Territory	SCE uses current asset condition attributes (e.g., age, voltage, manufacturer, height of pole, etc.) as variables utilizes in the machine learning algorithms. The height of electrical equipment is governed by the applicable regulations in GO 95.	SCE's machine learning models use historical environmental, physical, and electrical variables paired with their actual records of failures to derive statistical insights.	Height of equipment is based on pole height of associated asset and may not reflect actual installation height.	POI
Stability of the Atmosphere	Atmospheric instability, as it related to wildfire propagation after initial ignition, is not considered in	The wildfire propagation model is a surface model is not directly coupled with	The intent of the model is to capture the fire propagation at the time of the ignition event	Wildfire Consequence

	Assumption	Justification	Limitation	Applicable Models
	the model.	the atmosphere. It assumes that the heat flux generated by the wildfire will not modify local atmospheric conditions and thus create additional fuel moisture dryness (e.g., pre-heating) in any way.	through an 8-hour simulated burn period. The resulting wildfire is assumed to be fully developed with fire acceleration, flashover, or decay not being considered.	
Vegetation Fuels	SCE uses the Live/Dead Fuel Moisture Data from the 444 worst weather days developed by its weather forecasting. These variables include Dead moisture content, (1hr, 10hr, 100hr, 1000hr) herbaceous moisture content, and live woody moisture content. (See Section 8.3.5).	Dead fuel moisture is calculated using the Nelson model which is widely used among fire agencies nationwide. Live fuel moisture is calculated using a machine learning approach that was in part developed by SCE.	Modeling fuel moisture is affected by the same limitations that are common in numerical modeling. In addition to the biases and other forecast errors associated with parameters such as temperature, atmospheric moisture, soil moisture, evaporation rates, etc., needed to calculate fuel moisture, uncertainties within the physical processes of	Wildfire Consequence

	Assumption	Justification	Limitation	Applicable Models
			vegetation phenology compound the errors associated with vegetation moisture outputs	
Vegetation Fuels	Fuels are based on the Timber fuel layers, including an additional 19 custom fuel models. Additional WUI and Non-Forested Land Use are based on customized fuel models representing fire propagation in those locations. (Technosylva, 2020).	These fuel models were developed through daily validation of fuels with fire behavior data from CalFire and California National Guard FireGuard data	These fuel models are static and only represent a snapshot in time at a 30m x 30m resolution. Given limitations in the spatial and temporal granularity of this information (e.g., changes in suburban development between the time the data was captured to present day), this data may not accurately represent details in land/vegetation types at the time of the ignition.	Wildfire Consequence
Combination of Risk Components /Weighting of Attributes	The natural unit consequences resulting from wildfire simulations are translated into	SCE developed its MAVF based on the principles as set forth in the S-MAP	The attributes are based on observable data and may not reflect other qualitative	Wildfire Consequence

	Assumption	Justification	Limitation	Applicable Models
	safety, reliability and consequence scores based on SCE MAVF framework.	settlement. Appendix B provides further discussion and justification for each of the components. SCE is an active participant in the CPUC's Risk Informed Decision-Making Framework Proceeding ("Risk OIR")[95] which governs modifications to this risk assessment process.	factors such as egress or customer satisfaction; factors which may not lend themselves to this type of framework. They may also not reflect of associated risk tolerance standards as set forth in other Commission and/or Legislative guidance.	
Wind Load Capacity for Electrical Equipment	SCE assumes the wind load capacity for its electrical equipment is, at minimum, aligned with applicable GO 95 requirements.	SCE is required to maintain the system based on applicable CPUC operating practices.	Equipment failure can occur in both high wind and low/no wind conditions and can be the result of difficult to predict factors, such as animal and vehicles contact.	POI
Number, extent, and type of community	Not Applicable	Communities at Risk are not spatially granular	Not Applicable, see comment at left.	Wildfire Consequence

[95] R.20-07-013. CPUC Order Instituting Rulemaking to Further Develop a Risk-Based Decision-Making Framework for Electric and Gas Utilities.

	Assumption	Justification	Limitation	Applicable Models
assets at risk		enough to adequately represent wildfire risk. For example, the City of Los Angeles is considered a Community at Risk (CAR), though the vast majority of the city is not exposed to wildland fires. Please also see Section 5.4.		
Proxies for estimating impact on customers and communities	SCE assumes only direct impacts to customers.	SCE uses a ratio of 256 structures impacted to one fatality, and a ratio of 107 structures impacted to one serious injury to determine its safety impact.	These estimates are based on recent historical fire information in Southern California and only include reported data. They do not include any potential indirect or unreported impacts.	Wildfire Consequence
Extent, distribution, and characteristics of vulnerable populations	SCE utilizes an AFN/NRCI multiplier on the safety attribute of MAVF.	The AFN/NRCI multiplier is a relative ranking of vulnerability by populations served on individual	AFN/NRCI weights each population set (AFN customers/NRCI customers) equally and does not	Wildfire Consequence

	Assumption	Justification	Limitation	Applicable Models
		circuits.	differentiate between customer class. Additionally, SCE does not account for customer self-generation capabilities.	

6.3 Risk Scenarios

In this section of the WMP, the electrical corporation must provide a high-level overview of the scenarios to be used in its risk analysis in Section 6.2 These must include at least the following:

- ***Design basis scenarios** that will inform the electrical corporation's long-term wildfire mitigation initiatives and planning*
- ***Extreme-event scenarios** that may inform the electrical corporation's decisions to provide added safety margin and robustness*

The risk scenarios described in Sections 6.3.1 and 6.3.2 below are the minimum scenarios the electrical corporation must assess in its wildfire and PSPS risk analysis. The electrical corporation must also describe and justify any additional scenarios it evaluates.

Each scenario must consider:

- ***Local relevance:** Heterogeneous conditions (e.g., assets, equipment, topography, vegetation, weather) that vary over the landscape of the electrical corporation's service territory at a level sufficiently granular to permit understanding of the risk at a specific location or for a specific circuit segment. For example, statistical wind loads must be calculated based on wind gusts considering the impact of nearby topographic and environmental features, such as hills, canyons, and valleys*
- ***Statistical relevance:** Percentiles used in risk scenario selection must consider the statistical history of occurrence and must be designed to describe a reasonable return interval / probability of occurrence. For example, designing to a wind load with a 10,000- year return interval may not be desirable as most conductors in the service territory would be expected to fail (i.e., the scenario does not help discern which areas are at elevated risk)*

Overview

SCE uses a design basis scenario in its MARS and IWMS Risk Frameworks that reflects wind loading conditions, weather conditions, and vegetation conditions. As described further below, SCE's approach incorporates elements of five of the design scenarios defined by OEIS for the risk assessment analysis that informs mitigation prioritization and selection.

SCE has also developed a scenario called Climate 2030 that represents an Extreme-Event/High Uncertainty scenario. This scenario is not currently used and is still under evaluation. It is intended to help SCE assess if climate change, as well as any resulting changes in wildfire consequence, may influence our existing grid hardening strategy.

SCE provides further detail on both its design basis and extreme event scenarios in the sections immediately following.

6.3.1 Design Basis Scenarios

Fundamental to any risk assessment is the selection of one or more relevant design basis scenarios (design scenarios). These scenarios will inform long-term mitigation initiatives and planning. In this section, the electrical corporation must identify the design scenarios it has prioritized from a comprehensive set of possible scenarios. The scenarios identified must be based on the unique wildfire and PSPS risk characteristics of the electrical corporation's service territory and achieve the primary goal and stated plan objectives of its WMP. At a minimum, the following design scenarios representing

statistically relevant weather and vegetative conditions must be considered throughout the service territory.

***For wind loading on electrical equipment**, the electrical corporation must use at least four statistically relevant design conditions. It must calculate wind loading based on locally relevant 3-second wind gusts over a 30-year wind speed history during fire season in its service territory. The conditions are the following:*

- ***Wind Load Condition 1**: Baseline: The baseline wind load condition the electrical corporation use in design, construction, and maintenance relative to GO 95, Rule 31.1.*
- ***Wind Load Condition 2**: Very High: 95th-percentile wind gusts based on maximum daily values over the 30-year history. This corresponds to a probability of exceedance of 5 percent on an annual basis (i.e., 20-year return interval) and is intended to capture annual high winds observed in the region (e.g., Santa Ana winds).*
- ***Wind Load Condition 3**: Extreme: Wind gusts with a probability of exceedance of 5 percent over the three-year WMP cycle (i.e., 60-year return interval).*
- ***Wind Load Condition 4**: Credible Worst Case: Wind gusts with a probability of exceedance of 1 percent over the three-year WMP cycle (i.e., 300-year return interval).*

The data and/or models the electrical corporation uses to establish locally relevant wind gusts for these design conditions must be documented in accordance with the weather analysis requirements described in Appendix B.

***For weather conditions used in calculating fire behavior**, the electrical corporation must use probabilistic scenarios based on a 30-year history of fire weather. This approach must consider a range of wind speeds, directions, and fuel moistures that are representative of historic conditions. In addition, the electrical corporation must discuss how this weather history is adapted to align with current and forecasted climate conditions. The electrical corporation must consider the following two conditions:*

- ***Weather Condition 1**: Anticipated Conditions: The statistical weather analysis is limited to fire seasons expected to be the most relevant to the next three years of the WMP cycle.*
- ***Weather Condition 2**: Long-Term Conditions: The statistical weather analysis is representative of fire seasons covering the full 30-year history.*

The electrical corporation must state how it defines "fire weather" and "fire season" for the calculations of these probabilistic scenarios.

One possible approach to the statistical weather analysis for fire behavior is Monte- Carlo simulation of synthetic fire seasons in accordance with approaches presented by the United States Forest Service[96] [97]. However, the electrical corporation must justify the selection of locally relevant data for use in this approach (i.e., Remote Automated Weather Systems data or historic weather reanalysis must be locally

[96] M. A. Finney, I. C. Grenfell, C. W. McHugh, R. C. Seli, D. Trethewey, R. D. Stratton, and S. Brittain, 2011, "A Method for Ensemble Wildland Fire Simulation," *Environmental Modeling & Assessment* 16, no. 2: 153–167.

[97] M. A. Finney, C. W. McHugh, I. C. Grenfell, K. L. Riley, and K. C. Short, 2011, "A Simulation of Probabilistic Wildfire Risk Components for the Continental United States," *Stochastic Environmental Research and Risk Assessment* 25: 973–1000.

relevant). The data and/or models the electrical corporation uses to establish locally relevant weather data for these designs must be documented in accordance with the weather analysis requirements described in Appendix B: Supporting Documentation for Risk Methodology and Assessment.

***For vegetative conditions not including short-term moisture content**, the electrical corporation must use design scenarios including the current and forecasted vegetative type and coverage. The conditions it must consider include the following:*

- ***Vegetation Condition 1: Existing Fuel Load:** The wildfire hazard must be evaluated with the existing fuel load within the service territory, including existing burn scars and fuel treatments that reduce the near-term fire hazard.*
- ***Vegetation Condition 2: Short-Term Forecasted Fuel Load:** The wildfire hazard must be evaluated considering the changes in expected fuel load over the three-year Base WMP cycle (2023-2025). At a minimum, this must include regrowth of previously burned and treated areas.*
- ***Vegetation Condition 3: Long-Term Extreme Fuel Load:** The wildfire hazard must be evaluated considering the long-term potential changes in fuels throughout the service territory. This must include, at a minimum, regrowth of previously burned and treated areas and changes in predominant fuel types.*

The data and/or models the electrical corporation uses to establish locally relevant fuel loads for these designs must be documented in accordance with the vegetation requirements described in Appendix B: Supporting Documentation for Risk Methodology and Assessment.

The electrical corporation must provide a brief narrative on the design basis scenarios used in its risk analysis. If the electrical corporation includes additional design scenarios, it must describe these scenarios and their purpose in the analysis. In addition, the electrical corporation must provide a table summarizing the following information:

- *Identification of each design basis scenario (e.g., Scenario 1, Scenario 2)*
- *Components of each scenario (e.g., Weather Condition 1, Vegetation Condition 1)*
- *Purpose of each scenario*

Table 6-3 provides an example.

Overview: Design Basis Scenarios

SCE utilizes a design scenario that most closely reflects Wind Loading Condition 1, Wind Loading Condition 2, Weather Condition 2, Vegetation Condition 1, and Vegetation Condition 3 for mitigation planning purposes in its MARS and IWMS Risk Frameworks.

Table 6-3 - Summary of Design Basis Scenarios

Scenario ID	Design Scenarios (Components)	Purpose
WL1	Wind Loading Condition 1	Used in the MARS and IWMS Risk Frameworks.
WL2	Wind Loading Condition 2	
WC2	Weather Condition 2	
VC1	Vegetation Condition 1	
VC3	Vegetation Condition 3	

SCE notes that it uses scenarios that reflect Wind Loading Condition 2, Weather Condition 1, and Vegetation Condition 1 for the purpose of evaluating potential PSPS de-energization decisions. See Section 9.2 for additional detail.

WL1: Baseline

The baseline wind load condition the electrical corporation use in design, construction, and maintenance relative to GO 95, Rule 31.1.

SCE uses a combination of Wind Loading Condition 1 and Wind Loading Condition 2 in its design scenarios.

Following the 2011 San Gabriel Valley windstorm, SCE was directed by the CPUC to conduct a pole loading study to assess the likely wind conditions to comply with the relevant sections of ASCE/SEI 7-10 "Minimum Design Loads for Buildings and Other Structures" and California General Order (GO) 95 "Overhead Electric Line Construction."[98] These weather and wind conditions reflect the same 41 fire weather scenarios used in the construction of the CPUC HFTD maps.

The result of this study was a composite wind loading map for peak wind speeds, both with and without consideration of relative humidity and temperature, for wind velocities at 20-foot elevations (3 second gusts) based on a 50-year return interval (i.e., a 2% chance of occurrence per year). SCE uses this information in its design scenario.

WL2: Very High

95th-percentile wind gusts based on maximum daily values over the 30-year history. This corresponds to a probability of exceedance of 5 percent on an annual basis (i.e., 20-year return interval) and is intended to capture annual high winds observed in the region (e.g., Santa Ana winds).

[98] See I.14-03-004. Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of Southern California Edison Company Regarding the Acacia Avenue Triple Electrocution Incident in San Bernardino County and the Windstorm of 2011.

See above regarding Wind Load Condition 1. SCE's approach addresses the conditions outlined in WL2.

SCE notes that it uses scenarios that reflect Wind Loading Condition 2 for the purpose of evaluating potential PSPS de-energization decisions. See Section 9.2 for additional detail.

WL3: Extreme

Wind gusts with a probability of exceedance of 5 percent over the three-year WMP cycle (i.e., 60-year return interval).

SCE does not utilize Wind Loading Condition 3 because the composite wind loading map for peak wind speeds developed following the 2011 San Gabriel Windstorms represent reasonable weather scenarios

for the design, construction, and maintenance of SCE's equipment, as prescribed by GO 95. SCE currently does not see the utility of the WL3 scenario and thus SCE does not anticipate developing or utilizing this design scenario.

WL4: Credible Worst Case

Wind gusts with a probability of exceedance of 1 percent over the three-year WMP cycle (i.e., 300-year return interval).

SCE does not utilize Wind Loading Condition 4 because the composite wind loading map for peak wind speeds developed in 2011 already represents credible weather scenarios as prescribed by GO 95. Because of this, SCE does not anticipate utilizing this design scenario.

WC1: Anticipated Conditions

The statistical weather analysis is limited to fire seasons expected to be the most relevant to the next three years of the WMP cycle.

SCE does not use a short-term forward-looking weather scenario in its MARS and IWMS Risk Frameworks, as short-term weather trends (e.g., three years) are highly variable and contain a significant amount of uncertainty. Additionally, short term weather trends are generally not representative of the ensemble average of longer term (e.g., 10-30 year) climatological conditions. Because of this, SCE does not anticipate utilizing this design scenario.

SCE notes that it uses scenarios that reflect Weather Condition 1 for the purpose of evaluating potential PSPS de-energization decisions. See Section 9.2 for additional detail.

WC2: Long-Term Conditions

The statistical weather analysis is representative of fire seasons covering the full 30-year history.

SCE utilizes the deterministic maximum consequence values resulting from 444 historical weather scenarios reflecting fire weather conditions for SCE's service territory across 20 years of weather history developed by ADS and calibrated to SCE's service territory. These weather scenarios include the 41 weather scenarios used in the creation of the CPUCs HFTD maps, as well as additional locally relevant fuel and wind driven fire weather scenarios. These weather scenarios generally correspond to the definition for WC2.

At this point in time SCE does not plan to extend the weather history data set from 20 to 30 years, however we plan to add fire weather data to the existing data set over time.

VC1: Existing Fuel Load

The wildfire hazard must be evaluated with the existing fuel load within the service territory, including existing burn scars and fuel treatments that reduce the near-term fire hazard.

During the Review & Revise stage of the IWMS Risk Framework, SCE's team of SMEs considers existing fuels through photographs in its analysis. SCE's POI models also use elements of existing fuel load, specifically tree inventory. Vegetation type, density, location information, and burn scars are also considered in the fire simulations used to determine Wildfire Consequence.

Further, SCE's approach to asset inspections and vegetation management considers other shorter-term conditions (e.g., existing fuel conditions) for Areas of Concern (AOCs). See Sections 8.1.3.1, 8.1.3.2, 8.2.2.4, 8.2.1.3, and 8.2.3.8 for details.

SCE also notes that it uses scenarios that reflect Vegetation Condition 1 for the purpose of evaluating potential PSPS de-energization decisions. See Section 9.2 for additional detail.

VC2: Short-Term Forecasted Fuel Load

The wildfire hazard must be evaluated considering the changes in expected fuel load over the three-year Base WMP cycle (2023-2025). At a minimum, this must include regrowth of previously burned and treated areas.

SCE does not use Vegetation Condition 2, as a short-term horizon (i.e., the 2023-2025 WMP period) is typically not informative for mitigation prioritization and scoping. As noted above, SCE uses existing fuel load, and as described below, SCE uses long-term fuel load conditions for mitigation planning purposes.

VC3: Long-Term Extreme Fuel Load

The wildfire hazard must be evaluated considering the long-term potential changes in fuels throughout the service territory. This must include, at a minimum, regrowth of previously burned and treated areas and changes in predominant fuel types.

SCE uses a 2030 fuel layer which aligns with Vegetation Condition 3. The 2030 fuel layer reflects likely fuel conditions in the year 2030. While SCE does not believe these fuel conditions are extreme, per se, SCE does believe this fuel loading is reflective of long-term potential fuel regrowth in major fire scars (e.g., greater than 5,000 acres.).

6.3.2 Extreme-Event/High Uncertainty Scenarios

In this section, the electrical corporation must identify extreme-event/high-uncertainty scenarios that it considers in its risk analysis. These generally include the following types of scenarios:

- *Longer-term scenarios with higher uncertainty (e.g., climate change impacts, population migrations, extended drought)*
- *Multi-hazard scenarios (e.g., ignition from another source during a PSPS)*
- *High-consequence but low-likelihood ("Black Swan") events (e.g., acts of terrorism, 10,000-year weather)*

While the primary risk analysis is intended to be based on the design scenarios discussed in Section 6.3.1, the potential for high consequences from extreme events may provide additional insight into the mitigation prioritization described in Wildfire Mitigation Strategy Development Section 7.

The electrical corporation must provide a brief narrative on the extreme-event scenarios used in its risk analysis. The electrical corporation must describe these scenarios and their purpose in the analysis. In addition, the electrical corporation must provide a table summarizing the following information:

- *Identification of each extreme-event risk scenario (e.g., Scenario 1, Scenario 2)*
- *Components of each scenario (e.g., Weather Condition 1, Vegetation Condition 1)*
- *Purpose of the scenario*

Table 6-4 provides a summary of the extreme-event scenario used by SCE for this purpose.

Overview: Extreme Event Scenarios

SCE has a single extreme event scenario (i.e., "Climate 2030") which is identified in Table 6-4 below and is described further immediately following the table. SCE also provides a diagram for the Climate 2030 scenario, which is discussed within the context of "Longer-Term Scenarios with Higher Uncertainty."

Per the WMP Guidelines, SCE also discusses its approach to "Multi-Hazard Scenarios" and "High-Consequence But Low-Likelihood Events". For reasons described below, at this time SCE does not have wildfire-specific scenarios in either of these two categories, and as such does not have related diagrams.

Table 6-4 - Summary of Extreme-Event Scenarios

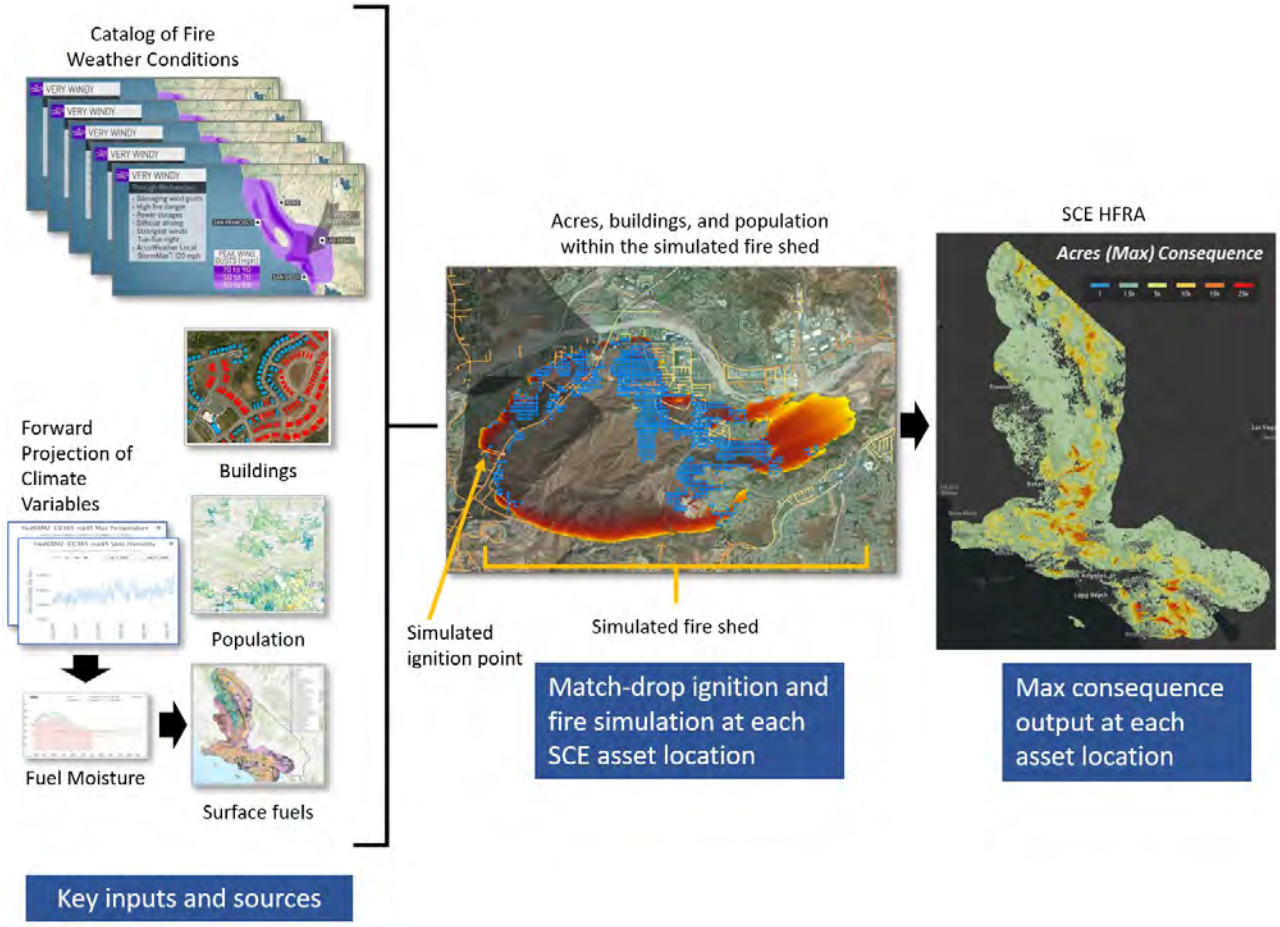
Scenario ID	Extreme-Event Scenario/Components	Purpose
Climate 2030	Assess how climate change by 2030 could impact live and dead fuel moisture conditions.	Assess if climate change, as well as any resulting changes in wildfire consequence, may influence our existing grid hardening strategy.

Longer-Term Scenarios with Higher Uncertainty

Longer-term scenarios with higher uncertainty (e.g., climate change impacts, population migrations, extended drought)

SCE has developed, and in the process of performing the analysis, to assess how climate change by 2030 could impact live and dead fuel moisture conditions, which, in turn, may influence the spatial patterns of future wildfire (ignition) consequences.

Figure SCE 6-28 - Schematic for SCE Climate Change (2030) Methodology



The methodology aligns to the prescribed data sources outlined in the CPUC's Climate Change Proceeding (R.18-04-019),[99] including 10 priority CIMP5 Global Climate Models, which are the minimum prescribed by the CPUC in that proceeding. These are also the same data sources used in SCE's 2022 Climate Adaptation and Vulnerability Assessment (CAVA) report.

SCE's climate change methodology utilizes a different downscaling technique (e.g., Localized Constructed Analogs (LOCA)) and Global Climate Model (GCM) selection than that identified in the WMP guidelines. SCE has shared its methodology in Energy Safety wildfire risk modeling workshops. Additionally, SCE has participated in related Energy Safety sponsored workshops, specifically on how to better integrate academic feedback into climate change modeling.

Multi-Hazard Scenarios

Multi-hazard scenarios (e.g., ignition from another source during a PSPS)

SCE acknowledges that consideration of multi-hazard scenarios is appropriate from the perspective of enterprise risk management, emergency preparedness, and disaster planning. However, at this time SCE does not consider multi-hazard scenarios as an element of its wildfire and PSPS risk analysis.

Modeling such multi-hazard scenarios introduces a wide range of hypothetical possibilities that introduces significant uncertainty, can be speculative in nature, and do not provide a sufficient level of

[99] See https://www.cpuc.ca.gov/industries-and-topics/electrical-energy/climate-change

confidence on which to invest the significant financial resources that are needed for wildfire and PSPS mitigations.

For multi-hazard scenarios, as mentioned in Section 8.4.2, SCE maintains and updates an All Hazards plan and maintains an Incident Management Team (IMT) structure that serve as planning and response tools for these types of complex events.

SCE will evaluate whether multi-hazard scenario analysis may be beneficial for wildfire mitigation planning.

High-Consequence/Low-Likelihood Events

High-consequence but low-likelihood ("Black Swan") events (e.g., acts of terrorism, 10,000-year weather)

SCE's wildfire consequence modeling is currently based on 444 weather scenarios that include extreme scenarios representing a 1 in 50 year level of frequency. Furthermore, for the reasons described above in the response to multi-hazard scenarios, these types of scenarios can be an appropriate discussion for a utility's enterprise risk function but SCE does not consider "black swan" events such as 10,000 year weather or acts of terrorism as directly relevant to standard programmatic wildfire mitigation development and scoping.

SCE also notes the above comments about its all-hazards plan and IMT capabilities, which are intended to address scenarios such as extreme weather or hostile actions. Furthermore, SCE discussed both cyber and physical security in its 2022 RAMP filing (chapters 7 and 11, respectively).

6.4 Risk Analysis Results and Presentation

In this section of the WMP, the electrical corporation must present a high-level overview of the risks calculated using the approaches discussed in Section 6.2 for the scenarios discussed in Section 6.3.

The risk presentation must include the following:

- *Summary of electrical corporation-identified high fire risk areas in the service territory*
- *Geospatial map of the top risk areas within the High Fire Risk Area (HFRA) (i.e., areas that the electrical corporation has deemed at high risk from wildfire independent of HFTD designation)*
- *Narrative discussion of proposed updates to the HFTD*
- *Tabular summary of top risk-contributing circuits across the service territory*
- *Tabular summary of key metrics across the service territory*

The following subsections expand on the requirements for each of these.

6.4.1 Top Risk Areas Within the HFRA

In this section, the electrical corporation must identify top risk areas within its self-identified HFRA, compare these areas to the CPUC's current HFTD, and discuss how it plans to submit its proposed changes to the CPUC for review.

6.4.1.1 Geospatial Maps of Top-Risk Areas within the HFRA

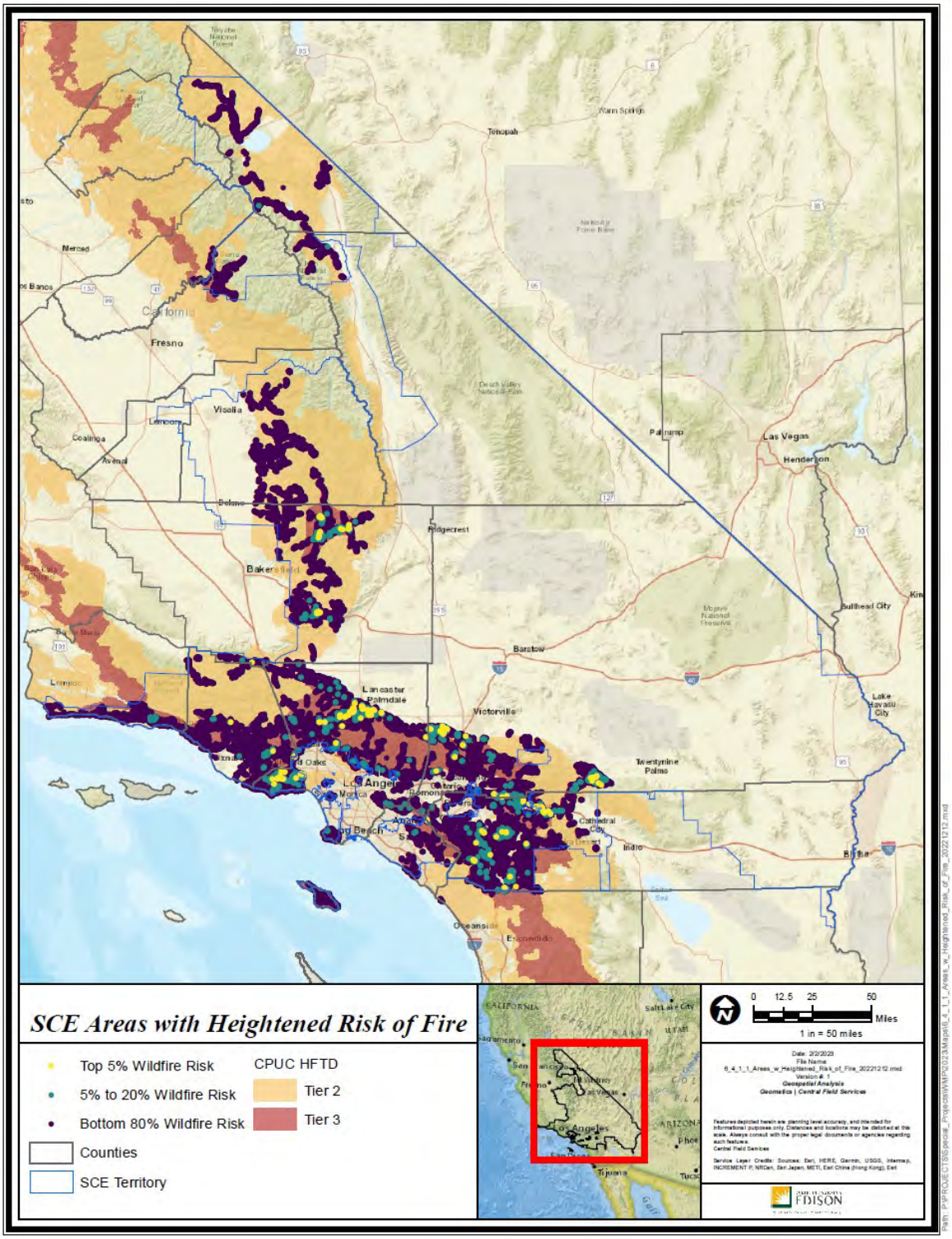
The electrical corporation must evaluate the outputs from its risk modeling to identify top risk areas within its HFRA (independent of where they fall with respect to the HFTD). The electrical corporation must provide geospatial maps of these areas.

The maps must fulfill the following requirements:

- ***Risk levels:** Levels must be selected to show at least three distinct levels, with the values based on the following:*
    - *Top 5 percent of overall utility risk values in the HFRA*
    - *Top 5 to 20 percent of overall utility risk values in the HFRA*
    - *Bottom 80 percent of overall utility risk values in the HFRA*
- ***Colormap:** The colormap of the risk levels must meet accessibility requirements (recommended colormap is Viridis)*
- ***County lines:** The map must include county lines as a geospatial reference*
- ***HFTD tiers:** The map must show a comparison with existing HFTD Tiers 2 and 3 regions.*

Figure SCE 6-29 shows the top-risk areas within HFTD.

Figure SCE 6-29 - Geospatial Maps of Top-Risk Areas within the HFTD[100]



6.4.1.2 Proposed Updates to the HFTD

In this section, the electrical corporation must discuss the differences between the electrical corporation-identified top-risk areas within the HFRA and the existing CPUC-approved HFTD. The electrical

[100] Risk data as of 1/1/23 calculated with the MARS Framework.

corporation must identify areas that its risk analysis indicates are at a higher risk than indicated in the current HFTD. The electrical corporation must also describe its process for submitting proposed changes to the HFTD to the CPUC, if such changes are desired; the electrical corporation need not conclude that the HFTD should be modified. Any proposed changes to the HFTD must be mapped in accordance with the requirements in the previous sub- section.

In 2019, SCE's Petition for Modification (PFM) to the CPUC resulted in a final decision D.20-12-030 (issued 12/21/2020) in Rulemaking 15.05.006 which formally adopted the remaining less than 1% of our non-CPUC HFRA into their Tier 2 and Tier 3 areas. At the time of this filing, all of SCE's HFRA[101] is now consistent with the CPUC HFTD maps. SCE will continue to review the HFTD boundaries each year per the AB 1054 requirements.

SCE has developed advanced analytical techniques using satellite image change detection and other processes to broadly detect and characterize changes in land use and land cover. These technical advances are utilized by a team of subject matter experts in fire science, enterprise risk management, grid operations, vegetation management, and fire management to consider potential removals or additions to HFRA.

- The primary inputs to SCE's HFRA Boundary Assessment process are outlined at a high level below.
- LandFire 2016 updated with additional classifiers from Technosylva to better represent urban fuel, as well as a projection of fuel growth in major fire scars from previous fire seasons with a fuel regrowth projection to 2030. Please see 2025 WMP for current information on fuel models.
- Wildland-Urban Interface (WUI) information from Silvis Labs, which may be further augmented with information from CAL FIRE.
- Historical wildfires from CAL FIRE's Fire Resource Assessment Program (FRAP); U.S. Forest Service Wildfire Burn Probability layer; and SCE internal wildfire consequence simulations, including wildfire hazard intensity metrics (e.g., flame length).

SCE's HFRA Boundary Assessment process is outlined at a high level below.

- Condense land use land cover information to identify locations with moderate to highly burnable fuels based on fuel loading conditions (e.g., grass, grass-shrubs, timber, and slash-blowdown).
- Identify locations with highly urbanized landcover with the assistance of WUI information from Silvis Labs to represent the boundary where highly combustible landcover meets urban landcover (e.g., WUI Interface/Intermix).
- Where overhead assets are present along this WUI boundary, create/add a 600-ft buffer from that interface into urbanized landcover. The 600-foot buffer is used as a conservative measure to address possible ignition fusing and facility failure which may occur along the immediate WUI boundary and could result in a small fire that may, under certain conditions, ignite more

[101] SCE uses a 200-foot buffer extended from the HFTD to account for possible internal mapping discrepancies of assets.

abundant and contiguous fuels nearby. As part of this new boundary assessment methodology, SCE does not prescribe a buffer along the WUI interface boundary when only underground assets are present.

- SCE also uses historical wildfire information from (e.g., CAL FIRE's FRAP data), as well as the U.S. Forest Service (USFS) Wildfire Burn Probability (FRC4) and SCE internal wildfire consequence modeling, including Wildfire Hazard Intensity (FRC5) metrics (e.g., flame length) to assess Wildfire Exposure (see Section 6.2.1).
- SCE pressure tests all recommended locations with internal teams and experts in fire science, wildfire operations, emergency and grid operations, risk management, vegetation management, and others.

Once SCE has completed its analysis and obtained agreement of CAL FIRE, SCE will begin the process to seek approval by the CPUC to modify the HFTD, which is described in general terms below.

1. SCE submits a Petition for Modification (PFM) to the CPUC that includes:
    a. Details and reason for change for all polygons recommended.
    b. ArcGIS file/layer with recommended polygon changes.
    c. High-level analysis focused on possible customer impacts.
2. CPUC reviews the PFM and requests additional information and/or provides approval, rejection, or adjustments to the recommended modifications.
3. SCE will review the CPUC feedback and finalize the PFM to the agreed upon modifications.
4. CPUC will review the final PFM and provide SCE approval of the final modifications.

After SCE receives the CPUC approval, SCE will begin implementation of mapping changes, operational updates, enterprise system updates, and communications to affected stakeholders.

While SCE does not currently plan to propose boundary changes, SCE evaluates its boundary on a regular basis and looks forward to working with stakeholders and agencies including Energy Safety, the CPUC, and CAL FIRE, to formalize any new proposed modifications.

Additionally, SCE continues to collaborate with neighboring Investor-Owned Utilities (IOUs) to share best practices, including remote sensing techniques. If SCE deems it appropriate, we may enact mitigation activities in these identified locations, while those proposed modifications are under review through the CPUC process. SCE notes that it has consulted with CAL FIRE several times and has received positive feedback on our approach.

Applicable fire-safety regulations adopted in R.08-11-005 that rely on the HFTD maps include:

- GO 95, Rule 18A, which requires electric utilities to place a high priority on the correction of significant fire hazards.
- GO 95, Rules 31.2, 80.1A, and 90.1B, which set the minimum frequency for inspections of aerial communication facilities located in close proximity to power lines.

- GO 95, Rule 35, Table 1, Case 14, which requires increased radial clearances between bare-line conductors and vegetation in high fire-threat areas of Southern California.
- GO 95, Appendix E, which authorizes increased time-of-trim clearances between bare-line conductors and vegetation.
- GO 165, Appendix A, Table 1, which requires more frequent patrol inspections of overhead powerline facilities.
- GO 166, Standard 1.E., which requires each electric utility to develop and submit a plan to reduce the risk of fire ignitions by overhead facilities in high fire-threat areas during extreme fire-weather events.

6.4.2 Top Risk-Contributing Circuits/Segments/Spans

The electrical corporation must provide a summary table showing the highest-risk circuits, segments, or spans[102] within its service territory. The table should include the following information about each circuit:

- ***Circuit, Segment, or Span ID:*** *Unique identifier for the circuit, segment, or span*
- ***Overall utility risk scores:*** *Numerical value for each risk*
- ***Top risk contributors:*** *The risk components that lead to the high risk on the circuit*

The electrical corporation must rank its circuits, segments, or spans by circuit-mile-weighted overall utility risk score and identify each circuit, segment, or span that significantly contributes to risk. A circuit/segment/span significantly contributes to risk if it:

1. *Individually contributes more than 1 percent of the total overall utility risk; or*
2. *Is in the top 5 percent of highest risk circuits/segments/spans when all circuits/segments/spans are ranked individually from highest to lowest risk.*

The electrical corporation must include each circuit, segment, or span that significantly contributes to risk in the table below.[103]

[102] For the section, the electrical corporation may use either circuits, segments, or spans, whichever is more appropriate considering the granularity of its risk model(s).

[103] This table is a summary of information provided in the QDR. As such, information included in this table must align with the QDR.

Table 6-5 - Summary of Top-Risk Circuits[104]

Risk Ranking	Circuits	Overall Utility Risk Score	Ignition Risk Score	PSPS Risk Score	Top Risk Contributors
1	CRAWFORD	0.1944	0.1941	0.0003	EFF, CFO Other
2	LOUCKS	0.1773	0.1773	0.0000	CFO Other, EFF
3	ENERGY	0.1484	0.1484	0.0000	EFF, CFO Other
4	PHEASANT	0.1441	0.1441	0.0000	CFO Other, EFF
5	CERRITO	0.1350	0.1350	0.0001	EFF, CFO Other
6	PELONA	0.1268	0.1268	0.0000	CFO Other, EFF
7	AMETHYST	0.1266	0.1264	0.0002	EFF, CFO Other
8	RANGER	0.1217	0.1217	0.0000	EFF, CFO VEG
9	LIMITED	0.1087	0.1087	0.0000	EFF, CFO Other
10	CHAMPION	0.1083	0.1083	0.0000	EFF, CFO Other
11	STORES	0.1067	0.1067	0.0000	EFF, CFO Other
12	DAVENPORT	0.1044	0.1044	0.0000	EFF, CFO Other
13	TREMAINE	0.1039	0.1039	0.0000	EFF, CFO VEG
14	TWIN PEAKS	0.0988	0.0988	0.0000	EFF, CFO Other
15	ROTEC	0.0977	0.0977	0.0000	EFF, CFO Other
16	CORINTH	0.0966	0.0966	0.0000	EFF, CFO Other
17	TATANKA	0.0904	0.0904	0.0000	CFO Other, CFO VEG
18	RAYBURN	0.0874	0.0873	0.0000	EFF, CFO Other
19	PURCHASE	0.0860	0.0860	0.0000	EFF, CFO Other
20	ROMERO	0.0856	0.0855	0.0000	CFO Other, EFF
21	HEAPS PEAK	0.0856	0.0856	0.0000	EFF, CFO Other
22	DYSART	0.0837	0.0837	0.0000	CFO Other, EFF
23	TONTO	0.0817	0.0808	0.0009	CFO Other, EFF
24	SHOVEL	0.0815	0.0815	0.0000	CFO Other, EFF
25	CUDDEBACK	0.0810	0.0810	0.0000	CFO Other, EFF
26	CRESTLINE	0.0810	0.0809	0.0001	EFF, CFO VEG
27	ALOLA #2	0.0801	0.0801	0.0000	EFF, CFO VEG
28	UTE	0.0774	0.0774	0.0000	CFO Other, EFF
29	GUFFY	0.0773	0.0773	0.0000	EFF, CFO Other
30	CEDAR GLEN	0.0766	0.0766	0.0000	EFF, CFO Other
31	SONOMA	0.0760	0.0760	0.0000	CFO Other, EFF
32	POPPET FLATS	0.0755	0.0755	0.0000	EFF, CFO Other
33	LUISENO	0.0755	0.0755	0.0000	CFO Other, EFF
34	TRIUNFO	0.0714	0.0713	0.0000	CFO Other, EFF
35	LASKER	0.0704	0.0704	0.0000	CFO Other, EFF

[104] Risk scores as of 1/1/2023 calculated via the MARS Framework. Values for Overall Utility Risk Score, Ignition Risk Score, and PSPS Risk Score represent average MARS value per circuit mile within HFRA. Top Risk Contributors indicates the top two risk drivers (listed in order). SCE updated this table on April 2, 2024. Please see Chapter 1 of the 2025 WMP Update for details.

Risk Ranking	Circuits	Overall Utility Risk Score	Ignition Risk Score	PSPS Risk Score	Top Risk Contributors
36	DICE	0.0697	0.0697	0.0000	CFO Other, EFF
37	BLACKBIRD	0.0695	0.0695	0.0000	EFF, CFO Other
38	SAUNDERS	0.0695	0.0695	0.0000	EFF, CFO Other
39	WOBEGONE	0.0688	0.0688	0.0000	CFO Other, EFF
40	HIGH SCHOOL	0.0684	0.0684	0.0000	EFF, CFO VEG
41	CALSTATE	0.0679	0.0674	0.0005	CFO Other, EFF
42	NORTH SHORE	0.0678	0.0677	0.0001	EFF, CFO Other
43	PAWNEE	0.0676	0.0676	0.0000	EFF, CFO Other
44	WAITE	0.0655	0.0655	0.0000	EFF, CFO Other
45	GORGE	0.0650	0.0650	0.0000	CFO Other, EFF
46	PASCAL	0.0648	0.0648	0.0000	EFF, CFO Other
47	SEELEY	0.0643	0.0643	0.0001	EFF, CFO Other
48	BERKSHIRE	0.0638	0.0638	0.0000	CFO Other, EFF

Note: Once populated, if this table is longer than two pages, the electrical corporation must append the table.

6.4.3 Other Key Metrics

The electrical corporation must calculate, track, and present on several other key metrics of risk across its service territory. These include, but are not limited to the frequency of:

- ***High Fire Potential Index (FPI):*** *The electrical corporation must specify whether it calculates its own FPI or uses an external source, such as the United States Geological Survey.*
- ***Red Flag Warning (RFW)***
- ***High Wind Warning (HWW)***

For each metric, the frequency of its occurrence within each HFTD tier and the HFRA must be reported in the table below. The metric must be reported in number of overhead circuit mile (OCM) days of occurrence normalized by circuit miles within that area type. For example, consider an electrical corporation with 1,000 OCM in HFTD Tier 3. If 100 of these OCM are under a RFW for one day, and 10 of those OCM are under a RFW for an additional day, then the average RFW-OCM per OCM would be:

$$\frac{RFW_OCM}{OCM} = \frac{(100 \times 1 + 10 \times 1)}{1000} = 0.1$$

This metric represents the average RFW-OCM experienced by an OCM within the electrical corporation's service territory within HFTD Tier 3. If the metric is continuous (such as FPI), the report should include a note stating the threshold used to select high values. Table 6-6 provides a template for reporting the required information.

SCE provides the required information in Table 6-6 below.

Table 6-6 - Summary of Key Metrics by Statistical Frequency

Metric	Non-HFTD	HFTD Tier 2	HFTD Tier 3	Non-HFRA	HFRA
FPI-OCM/ OCM	0.21	7.99	2.66	0.21	4.91
RFW-OCM/ OCM	0.41	0.63	1.73	0.41	1.27
HWW-OCM/ OCM	1.57	2.71	4.29	1.57	3.62

Below SCE provides an explanation of how it calculated these values.

High Fire Potential Index (FPI)

The electrical corporation must specify whether it calculates its own FPI or uses an external source, such as the United States Geological Survey.[105]

[105] United States Geological Survey Fire Danger Map and Data Products Web Page (accessed Oct. 27, 2022): https://firedanger.cr.usgs.gov/viewer/index.html.

SCE calculates its Fire Potential Index (FPI) by using weather and fuel (vegetation) conditions which include sustained wind speed, dew point depression (dryness of the air), the state of green-up or curing of the annual grasses, live fuel moisture, and dead fuel moisture. The FPI also considers fuel loading, which is the amount of vegetation on the ground. Calculations were based on circuit-level forecast data of FPI for 2022. For additional detail on SCE's FPI calculation, please see Section 8.3.6.

Red Flag Warning (RFW)

Red Flag Warning (RFW) circuit-mile days are based on all overhead (OH) distribution and transmission circuits that traverse through National Weather Service (NWS) Fire Weather Zones (FWZ) from the historical database of RFW events from the NWS in the Iowa State University archive of NWS watch/warnings.

The OH lengths of distribution and transmission circuits are calculated within each FWZ polygon (the FWZ is divided geospatially into over approximately 1,000 polygons) and are then multiplied by the number of days (or fraction of days) that a particular polygon had an RFW in effect.

The annual circuit mile days are calculated by summing all circuit mile days for all FWZ that occurred within the calendar year. To determine if a circuit mile is under an RFW warning, SCE intersects the OH distribution and transmission circuits with the RFW FWZ polygons to define circuits or portions of circuits within RFW.

High Wind Warning (HWW)

High Wind Warning (HWW) circuit-mile days are based on all OH distribution and transmission circuits that traverse through the NWS Wind Weather Zone (WWZ) from the NWS and a historical database of HWW events from the NWS in the Iowa State University archive of NWS watch/warnings.

The OH lengths of distribution and transmission circuits are calculated within each WWZ polygon (the WWZ is divided geospatially into approximately 200 polygons) and are then multiplied by the number of days (or fraction of days) that a particular polygon had an HWW in effect. The annual circuit mile days are calculated by totaling all circuit mile days for all WWZ that occurred within the calendar year.

To determine if a circuit mile is under an HWW warning, SCE intersects the OH distribution and transmission circuits with the HWW WWZ polygons to define circuits/portions of circuits within HWW.

6.5 Enterprise System for Risk Assessment

In this section, the electrical corporation must provide an overview of inputs to, operation of, and support for a centralized wildfire and PSPS risk assessment enterprise system. This overview must include discussion of:

- *The electrical corporation's database(s) used for storage of risk assessment data.*
- *The electrical corporation's internal documentation of its database(s).*
- *Integration with systems in other lines of business.*
- *The internal procedures for updating the enterprise system including database(s).*
- *Any changes to the initiative since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation.*

Overview

SCE provides an overview of its enterprise databases in the sections below.

In Section 6.5.1, SCE provides a description of the three primary enterprise databases for input data in its risk models: SAP, SAS, and GE Smallworld (GESW)/Map 3D.

In Section 6.5.2, SCE describes the various documentation it maintains of the systems. Documentation may vary depending on the use of the system.

In Section 6.5.3, SCE explains that SAP, SAS, and GESW/Map 3D are enterprise-wide databases that are used across SCE and integrated with other lines of businesses.

In Section 6.5.4, SCE discusses its procedures for updating its enterprise databases, which aligns SCE needs along with availability and software provider recommendations.

In Section 6.5.5, SCE provides an overview of major changes to its enterprise systems since its last WMP submission.

6.5.1 Database(s) Used for Storage of Its Risk Assessment Data

SCE uses three primary enterprise databases for input data in its risk models:

- SAP Enterprise Asset Management (SAP EAM)
- SAS
- GE Smallworld (GESW)/Map 3D

These databases are used across the enterprise for various system reporting and analytics, in support of both wildfire and non-wildfire activities. Further detail is provided below.

SAP Enterprise Asset Management (SAP EAM)

SAP EAM maintains information about SCE's physical assets, such as Functional Location (FLOC), equipment type, age, manufacturer, and other characteristics utilized in predictive models and other analytical assessments.

SAS

Various dataset and databases are stored and maintained in SAS to enable enterprise usage of data via structured tables and data queries allowing for advanced analytics and visualizations.

SAS datasets and databases include:

- The Wire Down Database (WDD) reports and tracks wire-down events based on wire-down calls and repair orders across the entire SCE service area.
- The Outage Data Reporting Management System (ODRMS) reports information regarding unplanned outages that affect a single line transformer or more on SCE's grid.

SCE stores its machine learning algorithms, including POI information, within SAS and secure GitHub platforms SharePoint Sites.

In addition, SCE's asset risk model prediction results, as well as some Technosylva consequence information, are housed in SAS tables.

GESW/Map 3D

MAP 3D maintains geographically accurate digital mapping of physical assets at structure locations. GESW is a geo-schematically accurate database that maps the connectivity of linear assets, specifically between structures with equipment to another structure with equipment (i.e., segment data).

Additional Information

Other databases provide input data, such as weather and wind data from SCE weather services (see Section 8.3.5.5), ignition events from the Fire Incident Preliminary Analysis (FIPA) database (See Section 11) and vegetation management information from SCE's Arbora platform (see Section 8.2.4).

SCE is in the process of developing a scalable, cloud-based, and geospatially enabled centralized repository for wildfire information. The Wildfire Safety Data Mart and Portal (WiSDM) is intended to consolidate and harmonize information from disparate datasets into a single common platform. Please see Section 8.1.5 for further information, including changes to the WiSDM system since the 2022 WMP, why those changes were made, and SCE's plans and timelines for the next phase of this enterprise system.

Finally, please see Section 8.1.5 for discussion of databases and enterprise systems related to asset inspections management.

6.5.2 Documentation of Its database(s)

SAP EAM, SAS, and GESW/Map 3D are enterprise-wide systems that are used across SCE. Depending on the use of the systems, operational units may develop and maintain documentation and procedures for their specific use of these systems.

SCE also keeps system documentation of these databases. Below is a description of the documentation SCE maintains for the systems discussed.

SAP EAM

SCE maintains operational procedures for SAP EAM, which also includes the scope of this database. In addition, SCE maintains a system source guide, the functional design specifications, technical design specification, and landscape diagram of SAP EAM.

SAS

SCE maintains an internal job aids and runbooks, that are updated monthly to capture changes to the database. In addition, SCE manages internal documentation of any hot fixes, upgrades, or any patches for the SAS platform.

GESW/Map 3D

SCE also maintains a run book for GESW/Map 3D. In addition, SCE maintains documentation of patches applied, release history, record of upgrades and fixes applied to the database.

SCE also maintains procedures on how asset data is inputted into and revised in SAP EAM, SAS and GESW/Map 3D.

6.5.3 Integration with Systems In Other Lines of Business

As indicated above, the databases SCE uses for input data in its risk models is used across SCE for various wildfire and non-wildfire purposes and integrated with other applications based on data needs and work activity needs. For example, SAP EAM is integrated with asset work orders and customer service applications. In addition, Map3D receives structure and FLOC data from SAP that is updated daily, and receives data for conductors, circuits and multiple device types from GESW.

6.5.4 Internal Procedures for Updating the Enterprise System Including Database(s)

The databases SCE uses for its risk models are used across the enterprise for various purposes, both wildfire and non-wildfire. System updates typically based on SCE needs along with availability and software provider recommendations.

SCE maintains internal procedures on how asset data within SAP EAM, SAS, GESW/Map 3D are updated. Asset data is updated when a change is made to the electrical infrastructure system or when a discrepancy is found between the field and SCE's databases.

6.5.5 Any Changes to the Initiative Since the Last WMP Submission

SCE continues to use the three primary enterprise databases for input data in its risk models. Since SCE's last WMP submission, SCE has updated SAS from v7.1 to v8.3. SAS v8.3 was redesigned to include a modern and flexible user interface that provides a more flexible space to write programs, build process flows, as well as access and browse data.

Since the last WMP submission, SCE has enhanced its POI model to include FIPA ignitions into its calibration process. Previously, SCE only used CPUC reportable ignitions as part of its calibration of probability of ignitions to forecast ignition frequencies. Including FIPA ignitions, which captures ignitions beyond just CPUC reportable ignitions, along with separating between primary and secondary ignitions, allows for more granular forecasts and application of POI to specific ignition events.

For changes related to the databases and systems associated with inspections, vegetation management, weather services, and the WiSDM portal, please see Sections 8.1.5, 8.2.4, 8.3.5.5, and 8.1.5 respectively.

6.6 Quality Assurance and Control

The electrical corporation must document the procedures it uses to confirm that the data collected and processed for its risk assessment are accurate and comprehensive. This includes but is not limited to model, sensor, inspection, and risk event data used as part of the electrical corporation's WMP program. In this section of the WMP, the electrical corporation must describe the following:

- ***Independent review:*** *Role of independent third-party review in the data and model quality assurance*
- ***Model controls, design, and review:*** *Overview of the quality controls in place on electrical corporation risk models and sub-models*

6.6.1 Independent Review

The electrical corporation must report on its procedures for independent review of data collected (e.g., through sensors or inspections) and generated (e.g., through risk models and software) to support decision making. In this section of the WMP, the electrical corporation must provide the following:

- ***Independent reviews:*** *The electrical corporation's procedures for conducting independent reviews of data collection and risk models.*
- ***Additional review triggers:*** *The electrical corporation's internal procedures to identify when a third-party review is required beyond the routinely scheduled reviews.*
- ***Results, recommendations, and disposition:*** *The results and recommendations from the electrical corporation's most recent independent review of its data collection and risk models. This includes the electrical corporation's disposition of each comment.*
- ***Routine review schedule:*** *The electrical corporation's routine review schedule.*

The electrical corporation must enter each accepted recommendation from independent review into its action tracking system for resolution (assignment of responsibility, development of technical plan, schedule for development and deployment, etc.) in accordance with the requirements discussed in Section 11.

Independent Reviews

In 2022, SCE engaged a third-party independent evaluator to review its RSE development process for the 2023 WMP and the accuracy of its RSE. In addition, SCE engaged a third-party consultant to review its existing technical documentation of its risk models and develop standardized templates for technical and process documentation of its risk models. Please see Appendix D: Areas for Continued Improvement for further details (Areas for Continued Improvement # SCE-22-22 Third Party Confirmation of RSE Estimates).

Although SCE does not currently conduct external third-party independent reviews of data collected and risk models, SCE has an internal review process for its collected data and risk models.

Data Collection Review Activities

SCE has an extensive inspection program that is described in Section 8.1.3. Results from these inspections are validated and integrated into SCE's risk models in several ways. If the inspection identifies a discrepancy between what is observed in the field and what is recorded in SCE's databases (primarily SAP), SCE will update the information. Repairs and remediations that result from inspections are also integrated into SCE's asset database, and depending on the nature of the data, may be used in calculations such as POI. SCE's QA/QC programs, described in Section 8.1.6, provide assurance on the quality of the inspections themselves.

As discussed in Section 11, SCE analyzes ignitions through its Fire Investigation Preliminary Assessment (FIPA) program. Data and results from these analyses are used as both a data source for modeling and for trend analyses. The FIPA process supports data quality standards through applying consistent methodology and classifications to improve SCE's ability to use ignition data for wildfire risk analysis.

Data Input Review Activities

To prepare and organize its data for its risk models, SCE uses a combination of automated and manual checks of its data. SCE uses automated scripts to validate that unique data are not duplicative, data does not have nonstandard values, and checks for excessive null values. SCE also performs manual validation of the data set by comparing the current data set to previous data sets to check for discrepancies, using a Sankey diagram[106] to display the data flows, and appending data from alternative sources if data is missing.

Validation of Risk Models for Transmission Assets

In 2022, SCE began developing a more formalized validation process of its risk models for transmission using field input. The validation compared assets that SCE risk model identified as risky against assets identified as risky by the Transmission Senior Patrolman. Any variance between the two assessments were further analyzed for the cause of the difference in result and update its data or risk model as needed.

Another avenue to facilitate risk model validation is included in the Transmission survey that is completed during the high-fire risk informed (HFRI) detailed inspection. SCE includes a set of questions to allow the inspector to provide information if they support or disagree with the riskiness of the asset being inspected. This feedback is available to SCE to review and assess if an update to the risk models are needed. Starting in 2023, SCE will include a similar set of risk assessment questions in the Distribution HFRI detailed inspection survey form to allow the inspectors to provide feedback.

Asset Risk Governance Working Team

SCE's Asset Risk Governance Working Team (ARGWT) provides oversight on risk identification, quantification, and mitigation of risk models. As issues requiring asset risk management arise, the working team identifies helps to organize an initiative team which may include subject matter experts from across SCE.

The ARGWT working team is responsible for evaluating issues related to asset risks. This team is expected to study issues, considering all stakeholders internal and external, and to make recommendations to the sponsor team. The recommendations of the working team consider the specific safety, reliability, and financial impacts of each risk model as appropriate to the relevant risk.

Additional Review Triggers

SCE's internal Enterprise Risk Management team provides oversight responsibility for risk modeling more broadly. ERM is responsible for ensuring the ARGWT is providing recommendations to the sponsor team that are consistent and defendable, while using risk-based analysis where appropriate and practical.

ERM, along with SCE's Audit Service Department (ASD), provides recommendations to the ARGWT as to when additional third-party review is warranted. These recommendations may be based on the technical complexity of the subject matter or at the request of SCE management or other external stakeholders. Generally, given that the intent of these third-party reviews is to foster model improvement, the results of these reviews are kept confidential until their recommendations can be

[106] A Sankey diagram is a visualization tool that shows how data or variables flow between sources or databases.

reviewed and implemented.

Results, Recommendations, and Disposition

SCE discusses the results and recommendations of the third-party independent evaluator's review of its RSE results in ACI SCE-22-22 Third Party Confirmation of RSE Estimates in Appendix D: Areas for Continued Improvement.

After SCE's third-party consultant reviewed its technical documentation for its risk models, the third-party consultant provided feedback on compliance with OEIS guidelines and new standardized documentation templates in alignment with OEIS guidelines, which includes model specification, sensitivity testing, benchmarking and data and input quality. These templates are used to support detailed documentation in Appendix B: Supporting Documentation for Risk Methodology and Assessment. Going forward, SCE will use these documentation templates for its risk models, including modelling, validation, and processes.

Routine Review Schedule

SCE currently does not have a routine third-party review schedule. SCE plans to develop criteria for an external third-party review of the Wildfire models. See Section 6.7.2.3 for additional details.

6.6.2 Model Controls, Design, and Review

An electrical corporation's risk modeling approaches are complex, with several layers of interaction between models and sub-models. If these models are designed as a single unit, it can be difficult to evaluate the propagation of small changes in assumptions or inputs through the models. The requirements in this section are designed to facilitate the review of models by the stakeholders and Energy Safety, and to allow for more comprehensive retrospective analysis of failures in the system.

The electrical corporations must report on its risk modeling software's model controls, design, and review in the following areas:

- ***Modularization**: The electrical corporation must report on the degree to which its software architecture is sufficiently modular to track and control changes and enhancements over time. At a minimum, the electrical corporation must report if it has separate modules to evaluate each of the following:*
    - *Weather analysis*
    - *Fire behavior analysis*
    - *Seasonal vegetation analysis*
    - *Equipment failure*
    - *Exposure and vulnerability analysis*
- ***Reanalysis**: The electrical corporation must describe its capability to provide the results of its risk model based on the operational version of the software (including code and data) on a specific historic day.*

- ***Version control****: The electrical corporation must report on how it conforms to industry standard practices in version controlling its risk model and sub-models. At a minimum, the electrical corporation is expected to report on:*
    - *Models and software version controls aligned with industry standard programs, procedures, and protocols*
    - *Version control of model input data, including geospatial data layers*
    - *Procedures for updating technical, verification, and validation documentation.*

Modularization

SCE's models are designed to be modular so that SCE can track and change inputs within the model. Table SCE 6-05 provides a summary of which models contain separate modules for the attributes identified.

Table SCE 6-05 - Risk Models Containing Separate Modules

	Probability of Ignition	**Wildfire Consequence (Technosylva)**
Weather Analysis	No. Weather variables are not contained in a separate module for this model. Weather variables are attributes within the machine learning model.	Yes. Weather scenarios is modular in this model.
Fire Behavior Analysis	Not applicable, this model does not analyze or consider this element.	Yes. Fire Behavior Analysis is modular in this model.
Seasonal Vegetation Analysis	No. Vegetation variables are not contained in a separate module, they are attributes within the model.	Yes. Vegetation (i.e., fuel and fuel moisture) is modular in this model.
Equipment Failure	No. Equipment variables are not contained in a separate module for this model. They are attributes within the machine learning model.	Not applicable, this model does not analyze or consider this element.
Exposure and Vulnerability Analysis	Not applicable, this model does not analyze or consider this element.	Yes. HFRA (exposure) and AFN/NRCI (vulnerability) are separate components of this model

Reanalysis

SCE updates its risk analysis annually and can provide previous yearly scenario runs as needed. Iterations of the risk model are reanalyzed with each refresh of the likelihood or consequence models as data becomes available. Outputs of these models are archived by date but are not intended to produce POI risk estimates for a specific historic date. The Wildfire Consequence model and IWMS analysis is limited to the 444 weather scenarios within the current model.

Version Control

Table SCE 6-06 - Version Control

Models and software version controls aligned with industry standard programs, procedures, and protocols	
Probability of Ignition	Yes. SCE maintains documentation and model information changes as new assets and features are updated in the model. Code commentary is updated as versions are changed.
Wildfire Consequence	Yes. SCE's vendor maintains documentation and model information consistent with Energy Safety's guidelines.
Version control of model input data, including geospatial data layers	
Probability of Ignition	Yes. SCE reassesses and maintains POI models on an annual basis.
Wildfire Consequence	Yes. SCE reassesses and maintains wildfire consequence models on an annual basis.
Procedures for updating technical, verification, and validation documentation	
Probability of Ignition	SCE maintains documentation detailing changes, enhancements, and improvements made to our POI model. SCE is in the process of updating its documentation and is evaluating various standards to utilize to further refine and standardize our documentation.
Wildfire Consequence	Yes. SCE's vendor maintains this information consistent with industry standard practice.

6.7 Risk Assessment Improvement Plan

A key objective of the WMP review process is to drive year-over-year continuous improvement. In this section, the electrical corporation must provide a high-level overview of its plan to improve both programmatic and technical aspects of its risk assessment in at least four key areas:

- ***Risk assessment methodology:*** *Wildfire and PSPS risk assessment methodology and its documentation, including both quantitative and qualitative approaches*
- ***Design basis:*** *Justification of design basis scenarios used to evaluate the risk and its documentation*
- ***Risk presentation:*** *Presentation of risk to stakeholders, including dashboards and statistical assessments*
- ***Risk event tracking:*** *Tracking and reconstruction of risk events and integration of lessons learned*

6.7.1 Overview

SCE discusses how its risk assessment improvement plan will address the four key areas below. SCE provides further details of its risk improvement plan in Section 6.7.2.

Risk Assessment Methodology

SCE has three planned improvements for SCE's risk assessment methodology. SCE plans to further improve its Wildfire Consequence model, POI model, and establish an independent review program for its wildfire risk assessment models.

Design Basis

SCE plans to evaluate potential improvements and approaches to wind scenario modeling based on updated weather data which would be used in the engineering and design of SCE's infrastructure. See Section 6.7.2.4 for SCE's discussion of this planned improvement.

Risk Presentation

SCE plans to increase automation for its process to validate risk assessment data and to develop data visualization dashboard of model outputs so that SCE can further improve its QC methods. This will also include further documentation of datasets and sources. See Section 6.7.2.5 for SCE's discussion of this planned improvement.

Risk Event Tracking

SCE plans to use planned improvements to its FIPA database to improve its risk calculations by reflecting a larger range of historical events in forecasts. See Section 6.7.2.6 for SCE's discussion of this planned improvement.

The overview must consist of the following information, in tabulated format:

- ***Key area:*** *One of the four key areas identified above*
- ***Title of proposed improvement:*** *Brief heading or subject of the improvement*
- ***Type of improvement:*** *Technical or programmatic*
- ***Anticipated benefit:*** *Summary of anticipated benefit and any other impacts of the proposed improvement*
- ***Timeframe and key milestones:*** *Total timeframe for undertaking the proposed improvement and any key milestones*

Table 6-7 provides an example of the minimum acceptable level of information.

Table 6-7 - Utility Risk Assessment Improvement Plan

Key Risk Assessment Area	**Problem Statement**	**Proposed Improvement**	**Type of Improvement** (technical and/or programmatic)	**Expected Value Add/Anticipated Benefit**	**Timeframe and Key Milestones**
Risk Assessment Methodology	SCE seeks continuous improvement in the Wildfire Consequence model.	Transition from version 6.0 to 7.1 risk model	Technical	Updated fuel layer; updated fire propagation algorithm in timber fuel types; updated ignition point spacing.	SCE will incorporate changes in mid-2023.
Risk Assessment Methodology	SCE does not have a predictive model specific to secondary conductor.	Develop and evaluate an additional predictive model for secondary conductor to have more granular data	Technical	Increased granularity in outage and ignition calibration for primary versus secondary	Q2 2023 to evaluate applicability of Secondary Model to mitigation strategies to address secondary ignition subdrivers in POI model.

Key Risk Assessment Area	**Problem Statement**	**Proposed Improvement**	**Type of Improvement** (technical and/or programmatic)	**Expected Value Add/Anticipated Benefit**	**Timeframe and Key Milestones**
		for equipment related failures for secondary conductor that contribute to POI subdrivers.		conductor will improve model prediction and more accurately apply mitigations and risk calculations.	
Risk Assessment Methodology	SCE does not currently have an established independent review program.	Develop a strategy and roadmap to develop a systematic approach for an independent external third-party review.	Technical and Programmatic	Improve confidence in methods and alignment with industry practice.	End of 2023: SCE will develop criteria for an external third-party review of the Wildfire models and initiate a Request for Proposal (RFP) to hire an appropriate party for the validation. End of 2024: Wildfire models validated by an external third-party.
Design Basis	SCE will evaluate potential improvements and approaches to wind scenario modeling based on updated wind data.	Wind data will be used to update pole loading specifications. These pole loading data will be used to inform design scenarios.	Technical	Potential to improve wind modeling and associated downstream design scenarios to up to date information.	Anticipate Q4 2023 to update weather data, and Q4 2025 to process information with selected vendor.
Risk Presentation	Increase automation in QC processes for data used in risk analysis.	To advance its QC methods for data used in risk modelling, SCE's data engineers will streamline data, automate QC processes and develop data visualization dashboards.	Technical	Automated QC'd datasets may enable future automation of model refreshes, and technical documentation of datasets and sources	SCE will incorporate data visualization dashboards of model outputs in Q4 2023. Detailed technical documentation of SCEs risk models will be completed by Q4 2023.
Risk Event Tracking	SCE seeks to use a larger data set of ignitions to further increase robustness of ignition likelihood calculations.	In 2022, SCE began calibrating its ignition frequency forecast with all SCE identified ignitions tracked in its FIPA database, as opposed to just CPUC reportable ignitions. SCE is planning FIPA database improvements in 2023 to improve data collection and	Technical and Programmatic	As SCE's FIPA database becomes more robust, SCE anticipates the distribution of ignition likelihoods will improve in its risk calculations by reflecting a larger number of historical events.	Q1 2023 to transition input data from existing process to incorporating detailed ignition data from the FIPA database.

Key Risk Assessment Area	Problem Statement	Proposed Improvement	Type of Improvement (technical and/or programmatic)	Expected Value Add/Anticipated Benefit	Timeframe and Key Milestones
		processes for root cause analysis.			

6.7.2 Narratives for Individual Improvements

In addition, the electrical corporation must provide a concise narrative of its proposed improvement plan (maximum of five pages per improvement) summarizing:

- ***Problem statement:*** *Description of the current state of the problem to be addressed*
- ***Planned improvement:*** *Discussion of the planned improvement, including any new/novel strategies to be developed and the timeline for their completion*
- ***Anticipated benefit:*** *Detailed description of the anticipated benefit and any other impacts of the proposed improvement*
- ***Region prioritization (where relevant):*** *Reference to risk-informed analysis (e.g., local validation of weather forecasts in the HFTD) demonstrating that high-risk areas are being prioritized for continued improvement*
- *Supporting documentation (as necessary)*

6.7.2.1 Transition SCE's Wildfire Consequence Model from version 6.0 to 7.1

Problem statement: SCE seeks continuous improvement in the Wildfire Consequence model by refreshing underlying assumptions and enhancing modeling techniques.

Planned improvement: A significant improvement of this refreshed model is the expansion of the fuel layer from only including fuels in HFRA, plus a 20-mile buffer, to including fuels across SCE's service territory, plus a small buffer into adjoining jurisdictions. Other minor improvements in this model refresh include improved algorithms to better represent wildfire propagation in timber fuel locations, and better aligned ignition points locations in proximity to overhead utility electrical assets.

Anticipated benefit: 1) Expanding the fuel layer will allow SCE to perform ignition simulations for the entirety of the service territory. This enhancement will assist with HTFD boundary assessment, as well as other anticipated follow-on studies. 2) Fire propagation enhancements will better represent the first burning period associated with timber fuel types. 3) Improving the spacing of ignition points will improvement the granularity of ignition simulation events with respect to locations of complex topography.

Region prioritization: SCE's HFRA.

6.7.2.2 Asset Specific Predictive Models

Problem statement: SCE does not have a predictive model specific to secondary conductor.

Planned improvement: In 2023, SCE will develop and evaluate an additional predictive model for secondary conductor to more accurately identify equipment related failures for secondary conductor that contribute to POI sub-drivers. This will differentiate between primary and secondary conductor failures (both EFF and CFO).

Anticipated benefit: Increased granularity in outage and ignition calibration for primary versus secondary conductor will improve model prediction (separate models for primary vs secondary) and risk calculations.

Region prioritization: SCE's HFRA.

6.7.2.3 Third-Party Independent Review Strategy and Roadmap

Problem statement: SCE does not currently have an established independent third-party review program.

Planned improvement: In 2023, SCE will establish a set of criteria to determine when an external third-party validation is needed and required. After establishing the governance process, SCE will issue an RFP before the end of 2023 to facilitate the selection of the appropriate party to conduct the validation. The wildfire risk models will be validated by the end of 2024.

Anticipated benefit: SCE recognizes that an external review of wildfire risk models will provide additional confidence to external stakeholders on the fidelity and methods deployed in SCE's wildfire risk models. SCE will also consider and incorporate feedback from the external third-party review into its future Wildfire risk modeling roadmap.

Region prioritization: SCE's HFRA.

6.7.2.4 Potential Improvement to Wind Modeling and Associated Scenarios

Problem statement: SCE will evaluate potential improvements and approaches to wind scenario modeling based on updated weather data.

Planned improvement: SCE currently owns a gridded wind and weather historical dataset covering the SCE territory spanning approximately the last 40 years. Since the development of this dataset, SCE has deployed machine learning forecast capabilities to remove biases in gridded wind and weather data leveraging SCE's growing weather station network. This improvement will apply the same machine learning correction techniques to the gridded historical wind and weather data, which will result in more accurate characterization of wind and weather design scenarios.

Anticipated benefit: Weather data will be used to in the analysis of a refreshed pole loading study. This study will inform SCE's design scenarios used in the SCE wildfire modeling.

Region prioritization: SCE's HFRA.

6.7.2.5 Data Validation Methods and Develop Data Visualization Dashboards

Problem statement: In SCE's predictive models, SCE uses data from various sources. To validate the data, SCE QCs the data prior to integrating it into the predictive model.

Planned improvement: By the end of 2023, SCE will develop dashboards for visualization of model outputs and establish procedures for automation of datasets for future integration into automated predictive models.

Anticipated benefit: Streamlining data sources, automating methods to validate data sets and developing data visualization dashboards will enhance SCE modeling capabilities. These enhancements may enable SCE to automate model refreshes more frequently.

In addition, the planned improvements will enable SCE to develop more detailed technical documentation in alignment with OEIS Guidelines for its data sources by establishing defined data marts and data dictionaries associated to the data sources for easier reference and documentation.

Region prioritization: SCE's HFRA.

6.7.2.6 Enhanced Machine Learning Algorithms Application for POI Forecasts

Problem statement: SCE plans to improve its application of the POI model by using FIPA database improvements to enhance distribution of POI for risk calculations.

Planned improvement: SCE's FIPA database tracks the trends of ignitions and ignition drivers. Prior to 2022, SCE calibrated its probability of ignition using CPUC reportable ignitions. In 2022, SCE updated its ignition frequency calculation to use all SCE identified ignitions tracked in its FIPA database, along with separating between primary and secondary ignitions, which allows for more granular forecasts and application of POI to specific ignition events.

Please see Section 11 for further discussion of the FIPA database and planned improvements.

Anticipated benefit: SCE anticipates that the FIPA database planned improvements will improve the distribution of ignition likelihoods in its risk calculations by more reflecting a more extensive record of historical events in its future forecasts.

Region prioritization: SCE's HFRA.

6.7.3 Maturity Advancement

SCE continually seeks alignment with government and industry organizations and practices and continues to look for opportunities to improve risk assessment maturity over time.

The activities discussed in this section could lead to Risk Assessment and Mitigation maturity advancements. Below is a summary of broader anticipated maturity improvements over the WMP period that supplement the objectives outlined at the beginning of Sections 8 and 9.

Table SCE 6-07 - Risk Assessment Maturity Improvements

Capability Name	Projected Maturity Improvements
Statistical Weather, Climate, and Wildfire Modeling	Improvements include evaluating new model inputs and beginning to evaluate impacts of climate change on vegetative species.
Calculation of Wildfire and PSPS Hazard and Exposure to Societal Values	Improvements include new outputs in wildfire and PSPS models.
Calculation of Community Vulnerability to Wildfire and PSPS	Improvements include maintaining version control of community vulnerability to wildfire and PSPS models and new model inputs.
Risk-informed Wildfire Mitigation Strategy	Collaboration with external stakeholders on planned risk reduction efforts.
Calculation of Risk and Combination of Risk Components	Improvements include further documentation of risk models, maintaining version control of models and further developing processes for third-party review.

7 WILDFIRE MITIGATION STRATEGY DEVELOPMENT

In this section of the WMP, the electrical corporation must provide a high-level overview of its risk evaluation and process for deciding on a portfolio of mitigation initiatives to achieve maximum feasible[107] risk reduction and that meet the goal(s) and plan objectives stated in Sections 4.1–4.2, and wildfire mitigation strategy for 2023-2025. Sections 6.1 and 6.2 below provide detailed instructions.

7.1 Risk Evaluation

7.1.1 Approach

In this section of the WMP, the electrical corporation must provide a brief narrative of its risk evaluation approach, based on the risk analysis outcomes presented in Section 6, to help inform the development of a wildfire mitigation strategy that meets the goal(s) and plan objectives stated in Sections 4.1– 4.2.

The electrical corporation must describe the risk evaluation approach in a maximum of two pages, inclusive of all narratives, bullet point lists, and any graphics.

IWMS is SCE's holistic approach to developing portfolios of effective and complementary mitigations and deploying them in a manner that focuses on the areas of greatest risk. IWMS incorporates additional factors not currently present in the MARS Framework (e.g., egress limitations, SME judgment), which help augment SCE's analysis of risk impacts from these factors at local levels. By following its IWMS, SCE has a more complete depiction of the full impacts of a wildfire in certain locations and thus can better prioritize and scope mitigations to areas where ignitions can have the greatest impact.

The first stage (Initial Risk Categorization) of IWMS is to categorize all of SCE's overhead distribution circuit segments in HFRA into one of three tranches utilizing various data sources and fire science: Severe Risk Area, High Consequence Area, and Other HFRA.

The next stage (Review and Revise) involves a team of SMEs from SCE's Wildfire Safety, Fire Science, Enterprise Risk Management, and Engineering groups reviewing, refining, and revising the initial output from the previous step using inspection photographs, satellite imagery, maps, and other data sources to consider local conditions and features that may alter the initial designation.

After each overhead distribution circuit segment has a risk tranche designation, SCE assigns to it the corresponding portfolio of mitigations. For each risk tranche, SCE has determined a portfolio of complementary mitigations appropriate for its risk level. In Severe Risk Areas, the threat to lives and property is elevated to such an extent that SCE has determined that for public safety reasons it is prudent to not just significantly reduce ignition risk expeditiously but minimize it in the long term to the extent practicable. In High Consequence Areas, SCE's strategy focuses on mitigating the majority of significant ignition risk drivers. In Other HFRA, SCE will replace retired or damaged bare wires with covered conductor and continue mitigations that have relatively low incremental costs or are dictated by compliance requirements or local conditions. Transmission in SCE's HFRA receives its own separate set of mitigations, and as discussed in Section 8.1.2.12.1, will be evaluated further to determine the potential additional mitigations. During the Review and Revise stage, the team of SMEs will make

[107] "Maximum feasible" means, in accordance with Public Utilities Code section 326(a)(2), capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, legal, social, and technological factors.

individualized adjustments to portfolios for specific segments if local conditions favor doing so.

Mitigations for each portfolio are selected based on a variety of factors, including effectiveness, risk drivers they mitigate, cost, and time to deploy. SCE uses the MARS Framework to help it compare mitigations and alternatives to each ignition driver and sub-driver on the basis of risk reduction and cost effectiveness.

Some mitigations are deployed only where certain conditions exist, such as tree attachment removals or LSI remediations. Other mitigations, such as undergrounding, require a separate feasibility review, which is conducted by a team of planners and engineers. This feasibility review considers issues impacting constructability, such as local terrain and accessibility. If a mitigation is found to be infeasible, the Review and Revise team will recommend an alternative mitigation taking into account local conditions.

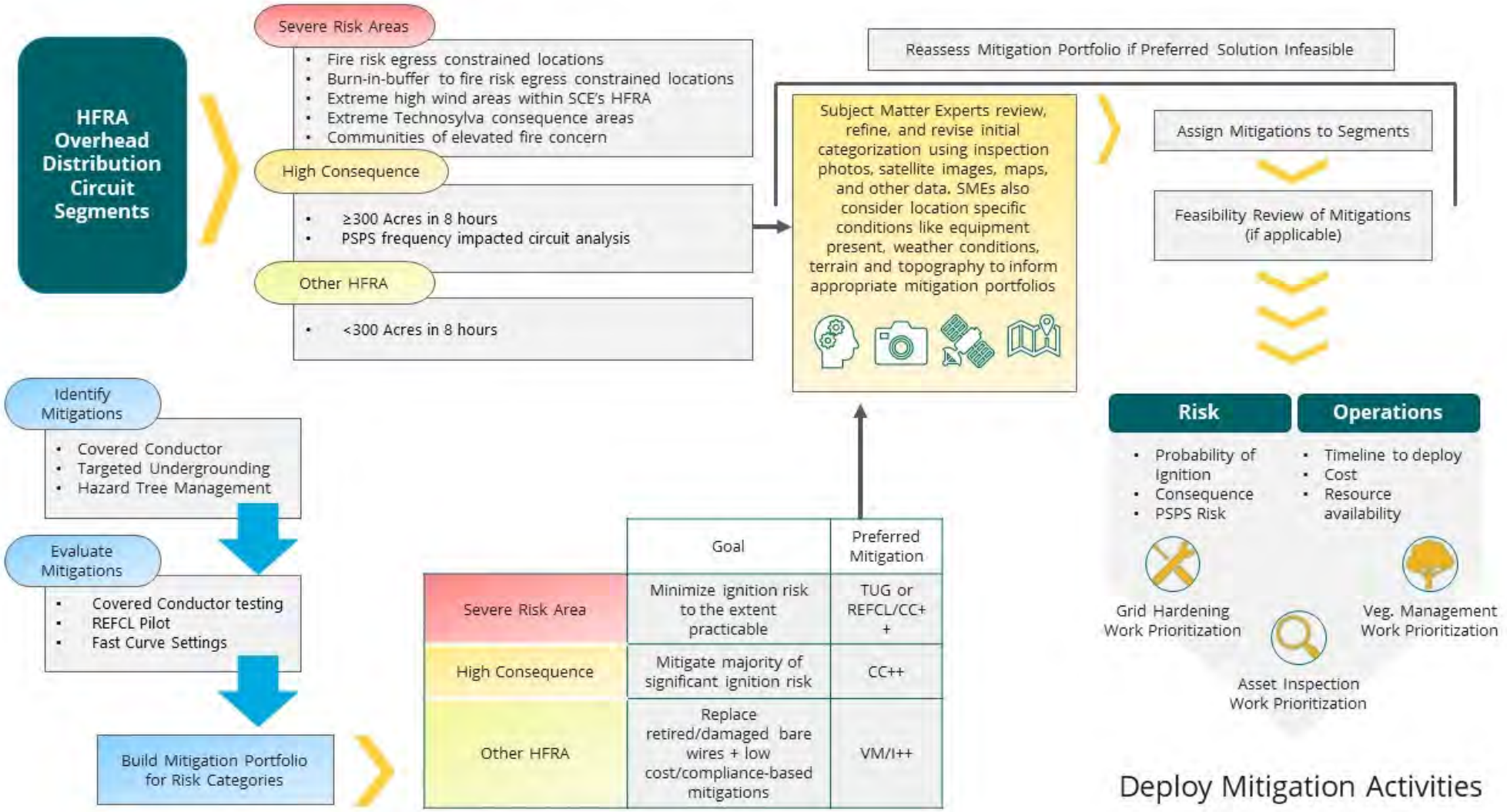
Once segments are assigned a portfolio of mitigations, the deployment of each individual mitigation is prioritized using a combination of risk and operational factors. Generally, mitigations do not have to be prioritized against each other, as they utilize different resources (e.g., hardening uses different resources than inspections, which use different resources than vegetation management) or have different timelines that can run in parallel (e.g., TUG and CC projects have long timelines and SCE can deploy other projects concurrently, such as fast-acting fuses or FC-capable hardware).[108]

Once mitigations are deployed, SCE uses the MARS framework to calculate and quantify remaining overall utility risk from both wildfire and PSPS.

Through the IWMS, SCE identifies the varying levels of wildfire and PSPS risk in its HFRA and then deploys complementary and cost-effective portfolios of mitigations that are prioritized in a risk-informed manner. Please see Figure SCE 7-01 for more information on IWMS.

[108] SCE started using IWMS to prioritize mitigation selection and scope beginning 2021. Due to the long lead time for planning and construction, mitigations scoped with IWMS will generally not be in service until 2023 or later; targeted undergrounding scoped using IWMS will generally not be in service until 2024. However, as noted in Section 6.2.1, SCE performed a review of inflight scope to align to the IWMS as much as possible and practical.

Figure SCE 7-01 - IWMS Schematic



7.1.2 Key Stakeholders for Decision Making

In this section, the electrical corporation must identify all key stakeholder groups that are part of the decision-making process for developing and prioritizing mitigation initiatives. Table 7-1. Example of Stakeholder Roles and Responsibilities in the Decision-Making Process provides an example of the required information. At a minimum, the electrical corporation must do the following:

- *Identify each key stakeholder group (e.g., electrical corporation executive leadership, the public, state/county public safety partners)*
- *Identify the decision-making role of each stakeholder group (e.g., decision maker, consulted, informed)*
- *Identify method of engagement (e.g., meeting, workshop, written comments)*

The electrical corporation must also describe how it communicates decisions to the identified key stakeholders.

Table 7-1 summarizes the various stakeholders that SCE meets with to gather feedback and to communicate wildfire and PSPS decisions.

Table 7-1 - Stakeholder Roles and Responsibilities in the Decision-Making Process

Stakeholder	Stakeholder Point of Contact	Electrical Corporation Point of Contact	Stakeholder Role	Engagement Methods
SCE Executive Leadership	Director of Wildfire Safety	Director of Wildfire Safety	• Provides guidance and decision making on wildfire mitigation near and long-term planning • Informed on wildfire mitigation execution status • Informed and provides guidance on strategy/risk prioritization methodologies	Weekly Internal Meetings

Stakeholder	Stakeholder Point of Contact	Electrical Corporation Point of Contact	Stakeholder Role	Engagement Methods
Office of Energy Infrastructure Safety (OEIS or Energy Safety)	OEIS Deputy Director, Director of OEIS	Managing Director, Regulatory Relations	• Defines WMP requirements • Participates and provides guidance in working groups • Reviews wildfire mitigation plan submissions and provides feedback, areas for continuous improvement, and issues approval or denial of plan	• Weekly meetings following submission of WMP • Biweekly participation in working groups • Written comments • Ad hoc meetings
California Public Utilities Commission (CPUC)	CPUC Staff	Managing Director, Regulatory Relations	• Approves WMP requirements; provides guidance and review of CPUC-mandated risk analysis used to inform wildfire and PSPS mitigations; authorizes cost recovery for wildfire and PSPS mitigations in consideration of risk reduction, cost efficiency, affordability, and other factors.	• Ad hoc meetings • Comments, workshop, CPUC rulings and decisions
Local Governments (including city councils, county boards and tribal governments)	Various local representatives	Director, Local Public Affairs	• Provides feedback on implementation of SCE's wildfire initiatives • Informed on SCE's strategy as	Ad hoc meetings

Stakeholder	Stakeholder Point of Contact	Electrical Corporation Point of Contact	Stakeholder Role	Engagement Methods
			presented in WMP	
Local Fire Agencies (includes Cal FIRE)	Various Southern California Fire Chiefs	Managing Director, Regulatory Relations Managing Director, Business Resiliency	• Provides guidance on wildfire mitigations including Fire Suppression • Informed on SCE's strategy as presented in WMP	Ad hoc meetings
Cal OES	Assistant Director of Response Operations	Managing Director, Regulatory Relations	• Provides statewide guidance on wildfire mitigations including PSPS • Participates on the board of the AFN Council	Ad hoc meetings
Access and Function Needs (AFN) Advisory Council	Various	VP Customer Programs and Services	Raises awareness of the needs of our AFN populations and to collaborate on initiatives that will advance communications, resources and support for AFN populations, all aimed at PSPS impact mitigation	Monthly meetings (or more frequent as necessary)
Public Advocates Office and other stakeholders	Various	Various	Participates in Energy Safety-led working groups and provides input.	Pursuant to working group schedules.

Stakeholder	Stakeholder Point of Contact	Electrical Corporation Point of Contact	Stakeholder Role	Engagement Methods
Wildfire Safety Advisory Board	Board Members	Various	Advises OEIS on requirements for WMPs, holds workshops, provides comments on advisory opinions.	Comments, public meetings.

SCE executive leadership is actively involved in directing all aspects of the WMP process. After SCE's program leads, in conjunction with its Wildfire Strategy and Enterprise Risk Management teams, select mitigations and decide on scope for each one pursuant to the processes described below in Sections 7.1.3 and 7.1.4, they engage with their executive leadership to review and approve their decisions. Then SCE's executive leadership reviews the decisions with the program leads and the Wildfire Strategy team and then either approves or recommends changes.

SCE executive leadership is also regularly briefed on WMP status, including progress of meeting the mitigation goals set in the WMP. SCE's executive team provides guidance and decisions on near- and long-term wildfire and PSPS mitigation strategies, risk analyses, planning activities, resource allocation, and compliance matters. On a monthly basis there is a mandatory report out on the progress of the various wildfire and PSPS mitigations presented in the WMP to senior executives. As new strategy/risk prioritization methodologies are introduced they are also brought forward and reviewed by SCE's senior executives at standing weekly and biweekly wildfire mitigation forums.

Internal wildfire safety meetings are held weekly at a minimum, and more frequently as needed to advance strategic wildfire mitigation and PSPS planning and execution.

SCE meets routinely with key stakeholders to gather feedback and to communicate decisions related to important wildfire-related information, such as short- and long-term wildfire and PSPS mitigation plans as discussed in the WMP filings. SCE engages with various governmental regulatory agencies, including Energy Safety and the California Public Utilities Commission (CPUC).

SCE adheres to guidelines established by Energy Safety in developing the WMP. After the WMP is filed, SCE responds to discovery requests issued by Energy Safety and other Stakeholders. SCE also participates in regular joint-utility working groups meetings mandated by Energy Safety on topics such as risk modeling, grid hardening, and vegetation management.

SCE engages with the CPUC on matters pertaining to wildfire and PSPS policies, cost recovery, and other areas within the CPUC's jurisdiction. The CPUC reviews SCE's requests to recover the costs to implement our WMP and provides funding authorization based on those reviews. The CPUC will also review these requests to ensure adherence with CPUC policies and practices required through various wildfire, risk, and PSPS-related proceedings managed by the CPUC. SCE will hold meetings with the CPUC, largely on an ad hoc basis, with a representative from SCE's Regulatory Affairs department and requisite SMEs.

SCE meets with local governments including city councils, county boards and tribal governments to share strategic decisions made that will impact the local area, and to gather feedback on SCE's wildfire programs

and community needs to understand what is working well and to identify areas of improvement to incorporate into wildfire planning. For example, SCE endeavors to minimize the impacts of outages required to perform wildfire mitigation and other construction work by working with local governments and communities to alleviate outage impacts. SCE also engages with local and state agencies, large commercial and industrial customers, and representatives from critical infrastructure facilities to highlight SCE's wildfire mitigation priorities and PSPS-related work.

Additionally, SCE participates in the AFN Advisory Council, which meets at least monthly to explore wildfire and PSPS risk mitigation strategies, policies, and procedures specific to Access and Functional Needs (AFN) customers. SCE will also relay specific details related to programs or initiatives targeted to further assist AFN customers.[109]

7.1.3 Risk-Informed Prioritization

In making decisions risk mitigation, the electrical corporation must identify and evaluate where it can make investments and take actions to reduce its overall utility risk. The electrical corporation must develop a prioritization list based on overall utility risk.

In this section, the electrical corporation must:

- *Describe how it selects areas of its service territory at risk from wildfire for potential mitigation initiatives, including, at a minimum, the following:*
    - *Geographic scale used in prioritization (i.e., regional, circuit, circuit segment, span, asset)*
    - *Statistical approach used to select prioritized areas (e.g., areas in top 20 percent for risk, areas in top 20 percent for consequences)*
    - *Feasibility constraints (e.g., limitations on data resolution, jurisdictional considerations, accessibility)*

Present a list that identifies, describes, and prioritizes areas of its service territory at risk from wildfire for potential mitigation initiatives based solely on overall utility risk, including the associated risk drivers.

Geographic Scale and Statistical Approach: SCE's definition and selection of areas for prioritization is not defined from the perspective of a "top X" percentage of risk. As described in detail in Section 6.2.1, the IWMS Risk Framework consists of two stages where SCE selects prioritized areas:

Initial Risk Categorization: SCE divides its HFRA into equal-sized polygons about 214 acres in area and then uses several factors such as egress, burn history, and other environmental factors (e.g., high wind locations) to categorize circuit segments within its HFRA into three distinct risk tranches: Severe Risk Areas, High Consequence Areas, and Other HFRA (see Table SCE 7-01 below).

Table SCE 7-01 - IWMS Framework Risk Tranches (Mutually Exclusive)

Severe Risk Area Criteria
o Population egress, high fire frequency location, and burn-in buffer into egress locations. o Significant fire consequence – Acres burned consequence greater than 10,000 over an 8-hour unsuppressed model simulation. o High winds – Locations, which if fully covered with covered conductor, would still be subject to high PSPS likelihood.

[109] Engagement with AFN populations is discussed in more detail Section 8.5.3.

o Communities of Elevated Fire Concern (CEFCs) – smaller geographic areas where terrain and other factors could lead to smaller, fast-moving fires threatening populated locations under benign (normal) weather conditions.
High Consequence Area Criteria
o Not identified in meeting Severe Risk Area criteria. o Destructive fire consequence – Acres burned consequence between 300 and 10,000 over an 8-hour unsuppressed model simulation. o Locations subject to PSPS events in which covered conductor has not been fully deployed.
Other HFRA Criteria
o Not identified in meeting Severe Risk Area or High Consequence criteria. o Small fire consequence - Acres burned consequence less than 300 over an 8-hour unsuppressed model simulation.

Review and Revision: A team of SMEs reviews, refines, and revises the output of the Initial Risk Categorization, by reviewing unhardened circuit segments with additional tools such as inspection photos and maps to determine if local conditions change the initial categorization. This process is ongoing and expected to be complete in Q1 2024.

List of Prioritized Areas: Below is SCE's list that identifies, describes, and prioritizes areas of its service territory at risk from wildfire for potential mitigation initiatives based solely on overall utility risk, including the associated risk drivers.

Table 7-2 - List of Prioritized Areas in SCE's Service Area Based on Overall Utility Risk

Priority	Area/ Tranche	Description[110]	Overall Utility Risk[111]	Associated Risk Drivers
1	Severe Risk Areas	Locations with egress challenges, areas that fires have historically propagated towards (burn-in buffer), CEFCs, areas with extreme high winds, and segments with extreme Technosylva consequence (i.e., greater than 10,000 acres in eight hours with simulated wildfire ignition consequence). ~1,520 of ~2,950 total miles already hardened*	52.41 (0.018 risk per HFRA mile)	• EFF • CFO Other • CFO Veg
2	High Consequence Areas	Segments not identified as a Severe Risk Areas are and in which simulated wildfire ignitions resulted in a wildfire consequence of 300-acres-or greater	64.86 (0.015 risk per HFRA mile)	• EFF • CFO Other • CFO Veg

[110] Hardened miles as of 12/31/2022 for all risk tranches. SCE may revise this data to reflect adjustments based on comparing completed work orders to mapping data, and also pending completion of SCE's Review & Revise stage of IWMS.

[111] MARS units as of January 2023. Reflects mitigations and hardening in place.

Priority	Area/ Tranche	Description[110]	Overall Utility Risk[111]	Associated Risk Drivers
		in eight hours, as well as those circuits which have the potential to be frequently impacted by PSPS events. ~2,285 of ~4,400 total miles already hardened*		
3	Other HFRA	Encompasses SCE overhead distribution lines that are located in HFRA but that are neither High Consequence Areas nor Severe Risk Areas. ~605 of ~2,250 total miles already hardened*	6.03 (0.003 risk per HFRA mile)	• EFF • CFO Other • CFO Veg

* "Hardened miles" refer to the miles of bare overhead lines replaced with covered conductor or underground cable and the associated infrastructure to complete those installation (i.e., FR pole as part of covered conductor installation). In some cases, alternatives such as REFCL, aerial bundled cable, or spacer cable are utilized.

Feasibility Review: After a part of SCE's system is assigned a mitigation, it undergoes a feasibility review. The extent of the review depends on the mitigation, some mitigations require more intensive reviews than others. For example, replacing a vertical switch may not require more than one person to determine feasibility. On the other hand, a group of planners and engineers review TUG scope for feasibility, as there are multiple situations (terrain, ROWs over private property, customer meter locations, etc.) that can influence a TUG project. Further, when planning and scheduling work, SCE considers issues such as engineering and crew resource availability (both internal and external), permitting, logistical viability of potential mitigations, operational needs, local grid configurations, potential for customer outage fatigue, work bundling and other factors.

7.1.4 Mitigation Selection Process

After the electrical corporation creates a list of top-risk contributing circuits/segments/spans (Section 6.4.2) and prioritized areas based on overall utility risk (Section 7.1.3), the electrical corporation must then identify potential mitigation strategies. It must also evaluate the benefits and drawbacks of each strategy at different scales of application (e.g., circuit, circuit segment, system-wide). In this section of the WMP, the electrical corporation must provide the basis for its decisions regarding which mitigation initiatives to pursue. It must also document how it develops, evaluates, and selects mitigation initiatives.

The electrical corporation should consider appropriate mitigation initiatives depending on the local conditions and setting and the risk components that create the high-risk conditions. There may be a wide variety of potential mitigation initiatives, such as:

- *Engineering changes to grid design*
- *Discretionary inspection and/or maintenance of existing assets*
- *Vegetation clearances beyond minimum regulatory requirements*

- *Alternative operational policies, practices, and procedures*
- *Improved emergency planning and coordination*

The electrical corporation may also mitigate risk by combining multiple mitigation initiatives.

The electrical corporation is expected to use its procedures discussed in Section 7 to:

- *Develop potential mitigation* initiative approaches to address each risk
- *Characterize the potential mitigation initiatives to provide decision makers with information required to support decision making (e.g., costs, material availability), including an assessment of uncertainties*
- *Document the results*

The electrical corporation must develop a proposed schedule for implementing each mitigation initiative and proposed metrics to monitor implementation and effectiveness of the mitigation initiative. The following subsections provide specific requirements.[112]

As part of IWMS, SCE's designs portfolios of mitigations that complement each other and mitigate multiple risk drivers. This process begins with the mitigation intake process, where SCE uses MARS to evaluate effectiveness and alternatives to each perspective mitigation. Then SCE considers mitigations from a holistic approach, develop complementary activities that address risk drivers based on risk analysis, historical ignition trends or findings, and expert review. SCE also considers cost effectiveness, how quickly

the mitigations can be deployed, and mitigation deployment feasibility based on terrain. After SCE understands the relative effectiveness of each mitigation as well as the drivers it addresses, SCE designs portfolios of mitigations for each area of its system commensurate with its assigned risk tranche.

7.1.4.1 Identifying and Evaluating Mitigation Initiatives

The electrical corporation must describe how it identifies and evaluates options for mitigating wildfire and PSPS risk at various analytical scales. The current guidelines governing this process are derived from the Risk-Based Decision-Making Framework established in the Safety Model and Assessment Proceeding (S-MAP).[113] *The S-MAP is currently being updated in CPUC proceeding R. 20-07-013.*[114] *In due course, the electrical corporation's risk mitigation identification procedure must align with results from this proceeding.*[115] *The electrical corporation must describe the following:*

[112] Annual information included in this section must align with Tables 11 and 12 of the QDR.

[113] 2018 Safety Model Assessment Proceeding (2018 S-MAP), adopted in D.18-12-014 (see S-MAP, step 3, rows 15–25): https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M250/K281/250281848.pdf

[114] See the Rulemaking 20-07-013 (Order Instituting Rulemaking to Further Develop a Risk-Based Decision-Making Framework for Electric and Gas Utilities) Proceeding Docket (accessed Oct. 27, 2022): https://apps.cpuc.ca.gov/apex/f?p=401:56:0::NO:RP,57,RIR:P5_PROCEEDING_SELECT:R2007013.
Also see the Risk Assessment Mitigation Phase (RAMP) proceeding (accessed Oct. 27, 2022): https://www.cpuc.ca.gov/about-cpuc/divisions/safety-policy-division/risk-assessment-and-safety-analytics/risk-assessment-mitigation-phase.

[115] Electrical corporations are not required to incorporate changes made as a result of proceeding R. 20-07-013 in the 2023-2025 WMPs submitted in 2023.

- *The procedures for identifying and evaluating mitigation initiatives (comparable to 2018 S-MAP Settlement Agreement, row 26), including the use of risk buy-down estimates (e.g., risk-spend efficiency) and evaluating the benefits and drawbacks of mitigations*
- *To the extent possible, multiple potential locally* relevant mitigation initiatives to address local wildfire risk drivers (see 2018 S-MAP Settlement Agreement, row 29)
- *The approach the electrica*l corporation uses to characterize uncertainties and how the electrical corporation's evaluation and decision-making process incorporates these uncertainties (see 2018 S-MAP Settlement Agreement, rows 29 and 30)
- *Two or more potential mitigation initiatives* for each risk driver included in the list of prioritized areas (Table 7-2 in Section 7.1.3), including the following information:
    - *The initiativ*es and activities
    - *Expected risk reduction and* impact on individual risk components
    - *Estimated* implementation costs
    - *Relevant uncertainties*
    - *Implementation schedule*
- *How the electrical corporation uses multi-attribute value functions (MAVFs) and/or other specific risk factors (as identified in 2018 S-MAP or subsequent relevant CPUC Decisions) in evaluating different mitigations*

Below, SCE provides a detailed flowchart of our risk-informed decision-making process as generally used to select and evaluate SCE initiatives that mitigate wildfire and PSPS risks. The flowchart illustrates SCE's general approach to risk-informed decision-making when assessing and selecting wildfire and PSPS mitigations. We also provide a detailed narrative explanation of various entries in, and aspects of, the flowchart. For ease of reading and reference, we provide a "zoom in" of the particular portion of the flowchart when we are explaining it in narrative form.

Broadly speaking, the process can be broken down into three major stages, as outlined in the flowchart: First, we evaluate or reassess, and then prioritize, wildfire and PSPS risks. Second, we identify the choice of mitigations to address the risk. In other words, we pinpoint the various mitigation alternatives. Third, we evaluate the mitigations and then select the appropriate one(s) from amongst the alternatives, using decision-making factors.

Application of this process for each wildfire mitigation activity may vary, because SCE is continually in the process of improving how risk-informed decision-making is utilized across the enterprise. Applicability may also vary depending on the unique characteristics of the mitigation activities. While specific processes and steps continue to evolve as we build out our asset management capabilities, the flowchart generally captures the key elements of the process. With each cycle, SCE's overall risk-informed decision-making process generally is maturing in the level of quantitative analysis performed, granularity of analysis, and consistent application across the enterprise.

Figure SCE 7-02 - List of Prioritized Areas in SCE's Service Area Based on Overall Utility Risk

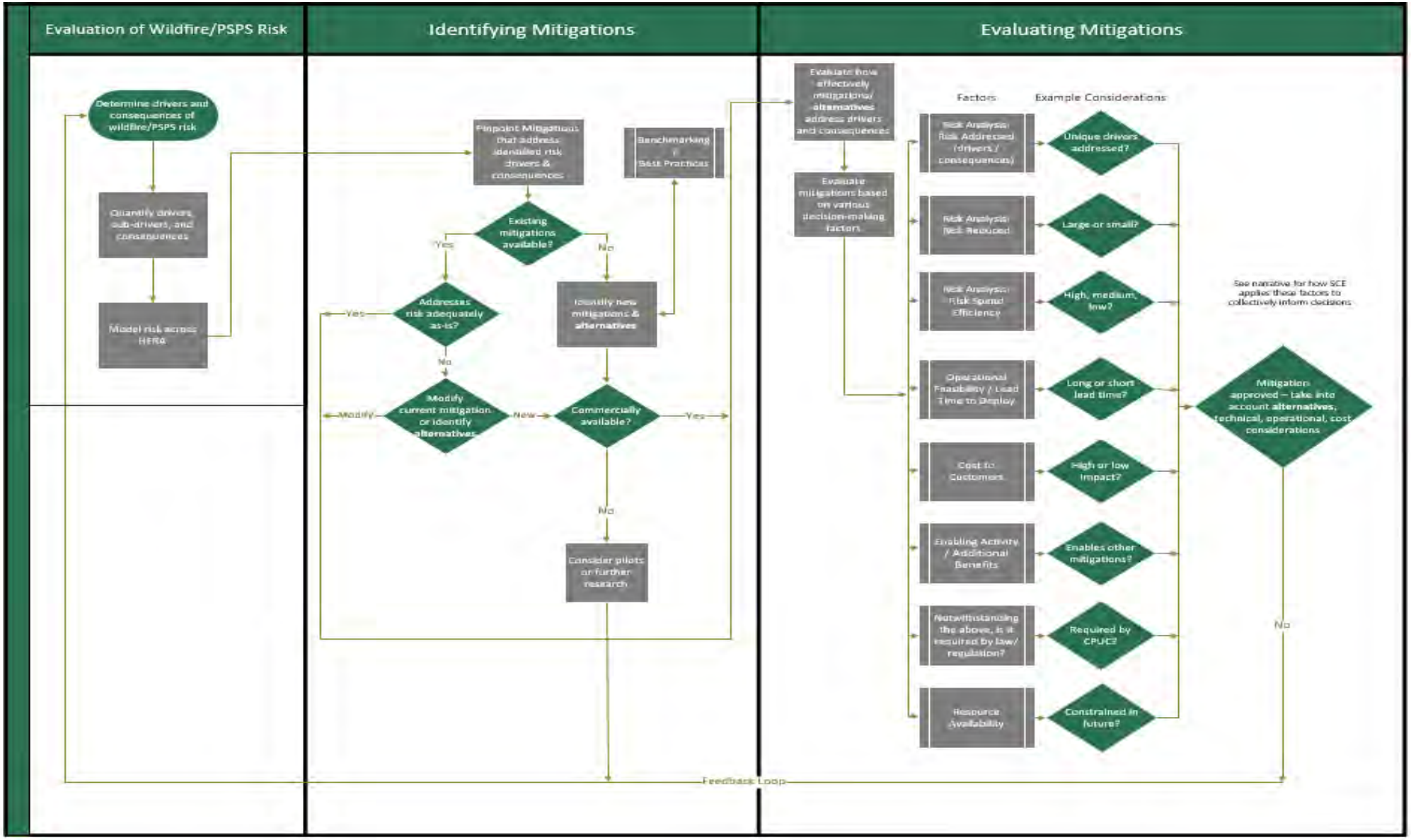
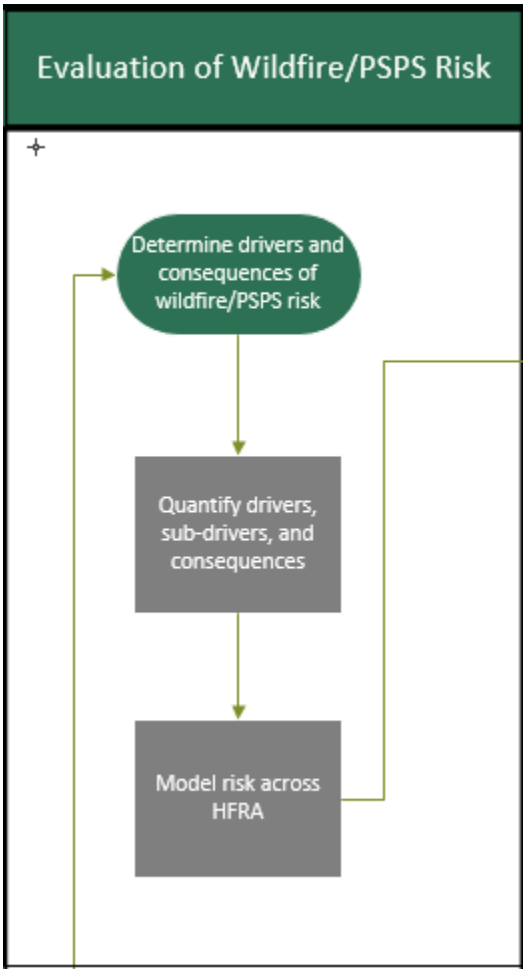


Figure SCE 7-03 - Evaluation of Wildfire and PSPS Risk (excerpt from full version in Figure SCE 7-02):



The selection of wildfire and PSPS risk mitigations starts with evaluating or reassessing the particular issue at hand, and the risks that underpin the issue. SCE has invested considerable resources to build its capabilities for identifying the drivers and consequences of wildfire and PSPS risk and examining how that risk is distributed across SCE's High Fire Risk Area (HFRA). This is discussed in further detail in Section 6.2.1, but is summarized here for context. The general steps embedded in SCE's process for identifying and evaluating wildfire risk are as follows:

- Determining drivers (and sub-drivers) and consequences of wildfire risk;
- Quantifying drivers, sub-drivers, consequences, and overall risk as appropriate; and
- Modeling this risk across SCE's HFRA.

Determine drivers (and sub-drivers) and consequences of wildfire risk

As we discussed in detail in Section 6, SCE applies the risk bowtie approach to enable us to consistently and systematically identify threats and characterize sources of risk.

Quantify drivers, sub-drivers, consequences, and overall risk as appropriate

SCE estimates risk reduction and calculate RSEs in order to help make decisions about wildfire/PSPS mitigation activities and to inform the prioritization of deploying mitigations.

The triggering event at the center of the wildfire bowtie is an ignition in SCE's HFRA. On the left-hand side of the bowtie, historical ignition and fault analysis determined that potential ignitions are primarily driven by equipment failure, contact from objects (such as vegetation or mylar balloons), and wire-to-wire contact (during periods of high winds). SCE leverages machine learning models to estimate the probability of ignition by driver for a given set of assets in HFRA.

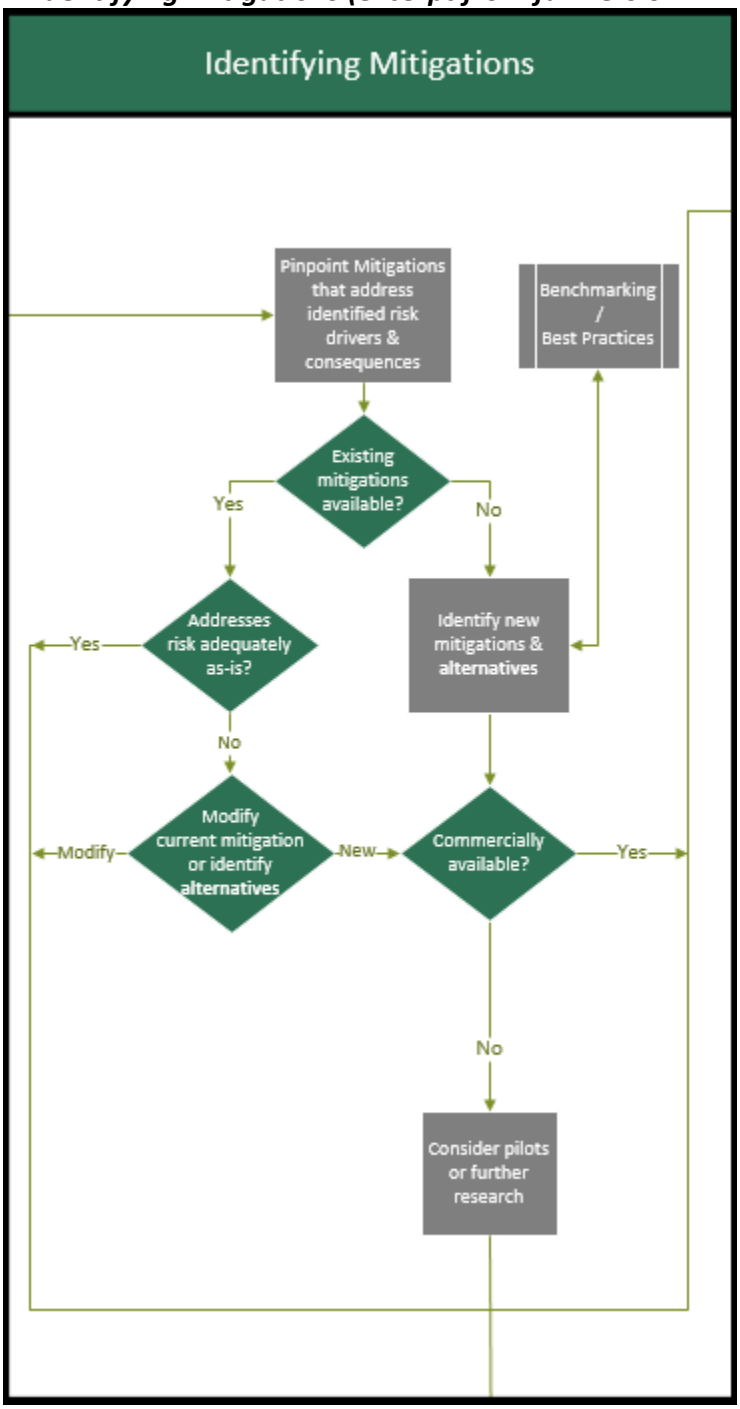
The consequences of these ignition events are estimated on the right-hand side of the bowtie, using the Technosylva consequence model (starting in late 2020). The model estimates the potential spread of a fire over a given time, as well as the corresponding impact of a fire in natural units - structures, acres, and population.

The risk bowtie for PSPS risk evaluates the drivers and probabilities of PSPS activations. Here, SCE uses data points such as the historical back-cast of wind and weather conditions in conjunction with PSPS de-energization protocols to estimate the annual frequency and duration of de-energization events. The consequences of these PSPS events are estimated on the right-hand side of the bowtie, based on the potential safety, reliability, and financial impacts to customers.

Model this risk across SCE's HFRA

Wildfire and PSPS consequences are then translated into MARS units to compare the relative risk of wildfire ignitions/PSPS events across SCE HFRA locations. The output of individual models and/or the entirety of the model output can be used to inform risk-related decision-making.

Figure SCE 7-04 - Identifying Mitigations (excerpt from full version in Figure SCE 7-02)



The second step in the process is to identify candidate initiatives to mitigate wildfire/PSPS risk. Here, we focus on potential options to reduce the risks that we evaluated or reassessed, and then prioritized, in the first step. These potential options come in the form of existing, modified, or new initiatives. Mitigation options reduce either the frequency, consequence, or both, of wildfire and/or PSPS risk, resulting in overall risk reduction and fall into one of four general categories, as described below:

- Existing mitigations that already help to reduce risk

In some cases, the work that SCE performs to maintain and upgrade its overhead systems in HFRA already provides certain risk reduction benefits. In such cases, these activities would be identified for continued implementation as prudent for purposes of reducing wildfire risk. One example is line clearance activities to reduce the probability of faults or ignitions from vegetation making contact with energized equipment.

- Existing mitigations that, when modified, can further reduce risk

In other cases, existing mitigation activities may support wildfire risk reduction, but if appropriately modified, could provide even greater risk reduction benefits. This modification can take several forms:

1. The scope of the activity could be modified. An example is expanding the scope of assets and asset conditions that are evaluated as part of an inspection program.
2. The scale of the activity could be increased to cover a wider area of SCE's HFRA.
3. The frequency of an activity could be modified. An example would be to increase how frequently critical or higher-risk assets or areas are inspected.
4. New technology could be incorporated to make the activity more effective or efficient at identifying and mitigating risk. As an example, incorporating Artificial Intelligence/Machine Learning models to help detect asset defects and identify hazards as part of the Aerial Inspection processes could result in decreased time for problem identification, with increased confidence in risk/issue detection.

- New mitigations that are commercially ready to deploy to reduce risk

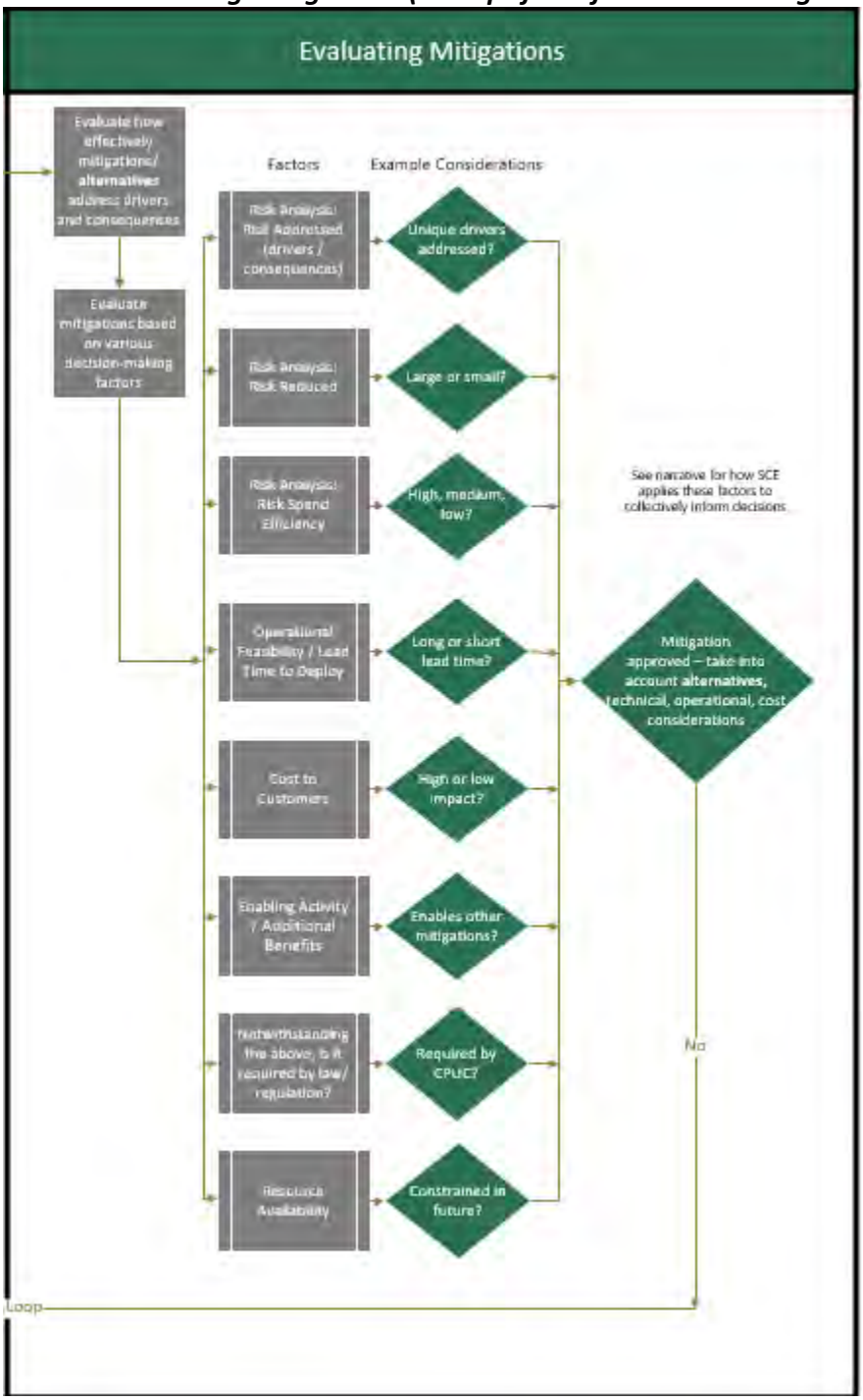
SCE also identifies new risk mitigation options. These new options can be identified through, among other actions, benchmarking with other utilities; studying and adopting emergent best practices; obtaining guidance from engineering and technical industry committees; studying emerging technology demonstrations; and assessing pilot studies that produce successful or otherwise useful results. SCE's portfolio of wildfire mitigation initiatives has benefitted greatly from identifying and adding new initiatives that were not previously deployed in SCE's service area. Our covered conductor program is an example of one such mitigation.

- New mitigations that should be piloted and further evaluated for potential future deployment

In some cases, concepts emerge that have promising wildfire or PSPS risk reduction benefits but have not yet been fully studied or evaluated through a reliable pilot or demonstration. Since these options are not commercially ready to be deployed on SCE's system, SCE will typically engage in further

consideration of these options through a pilot project, demonstration effort, or smaller-scale field testing or pilot deployment. Technological maturity is an important criterion when we are identifying and assessing mitigations.

Figure SCE 7-05 - Evaluating Mitigations (excerpt from full version in Figure SCE 7-02)



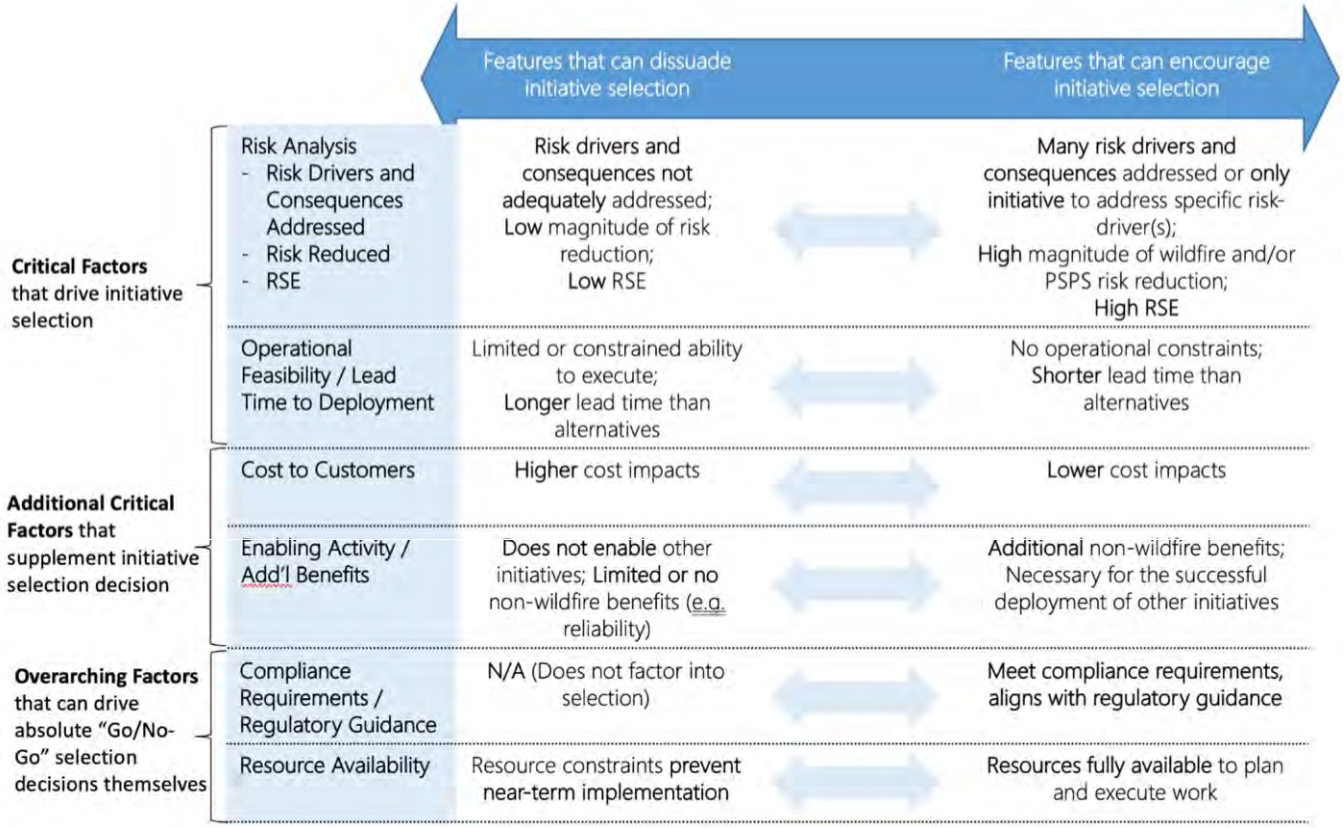
After we have identified our options for possible selection, those options must then be prudently evaluated. This usually starts with an estimation of how effective each option can be in reducing the various wildfire and/or PSPS risk drivers and consequences. This analysis is performed by subject matter experts, who utilize engineering data, historical performance data, benchmarking information, research studies, results from demonstrations or field tests, and other sources of information.

SCE is focused on efficiently reducing wildfire and PSPS risk as quickly as reasonably possible, prioritizing

mitigations to areas of our system that present the highest risk and doing so in a manner that appropriately minimizes customer cost and service impacts. Therefore, the selection of wildfire initiatives must necessarily consider several factors in the decision-making process. Such factors include the risk profile for HFRA in SCE's service area, the risk profile of assets that have the potential to cause ignitions, how each activity impacts the frequency and/or impact of wildfires, the potential speed of deployment, costs, RSE scores, resource constraints, material or technology availability and other factors that may relate to a given initiative.

Figure SCE 7-06 provides additional details concerning the key factors shown in the flowchart above that are commonly considered as part of SCE's decision-making process when selecting wildfire mitigation initiatives. The figure also illustrates how SCE generally evaluates each factor when making decisions.

Figure SCE 7-06 - Decision-Making Factors Considered



SCE carefully considers each factor both individually and in the aggregate in order to make sound and informed decisions. A given factor may not have a uniform level of importance or impact in all situations. As an example, if an initiative is required pursuant to a regulation, standard, code, or other authority, then meeting and adhering to compliance requirements would naturally be a decisive factor in SCE's ultimate determination. Similarly, if an initiative is under consideration but SCE would be unable to sufficiently staff it with requisite resources, then the "Resource Availability" factor will more heavily influence our decision-making because it may be infeasible to execute the initiative in a timely manner. The influence of resource constraints in assessing a particular potential mitigation can be very different if the resource constraints would simply lead to a short delay in building out the mitigation, versus if the resource constraints could lead

to a material inability to complete the mitigation in an acceptable time frame, or fully complete it at all.

Below, SCE describes each decision-making factor in greater detail.

- **Risk Analysis/Factors**: Risk is a primary consideration when selecting mitigation initiatives. Decisions incorporate one or more of the following risk factors:

- **Risk Drivers and Consequences Addressed:** There are many drivers to wildfire risk. It is necessary to have a portfolio of initiatives that collectively and sufficiently addresses the breadth of risk drivers. In some cases, an initiative such as covered conductor will address numerous risk drivers. In other cases, initiatives may more narrowly – but importantly – address one risk driver that none of the other initiatives address. For example, SCE's Vertical Switches initiative (SH-15) was included in SCE's WMP to address a very specific potential risk driver associated with a specific switch configuration in HFRA that was previously not addressed in our wildfire mitigation plan. In some cases, a mitigation initiative addresses a key driver that is already addressed to some degree by other initiatives, but the configuration is beneficial because the multiple initiatives work together to address the driver better than any single mitigation initiative. For example, though covered conductor addresses vegetation making contact with wires, line clearance and HTMP activities are also necessary to reduce heavy branches or trees from falling into lines that covered conductor may not be able to withstand. Moreover, vegetation management activities can be deployed more rapidly than covered conductor installation, and therefore can help reduce risk across HFRA in advance of covered conductor being installed. Finally, initiatives are also considered based on their ability to mitigate risk consequences. As an example, SCE deploys Community Resource Centers (CRCs) to enable the charging of portable mobile devices and distribute water and snacks. CRCs also provide access to air-conditioned facilities and restrooms, among other services, during a PSPS event. The CRCs do not prevent PSPS events. Instead, they help alleviate the consequences of a PSPS event.

- **Risk Reduction:** SCE aims to expeditiously reduce as much risk as possible in terms of our electrical lines and equipment being involved in an ignition that can lead to a wildfire. As SCE evaluates wildfire initiatives, the magnitude of risk reduction is a central consideration, with a preference toward those initiatives that can provide higher risk reduction.

Table SCE 7-02 shows the relative effectiveness of wildfire mitigation programs for wildfire risk drivers and PSPS. In the table, a solid white ball indicates no effectiveness (0%) at the driver level, while a solid black ball indicates the highest degree of effectiveness (>75%) at the driver level. The Harvey Balls are based on the weighted average effectiveness values of each ignition subdriver applicable to the driver category and are biased against historical recorded ignition drivers. For example, a mitigation can be effective against an ignition driver, but because there have been zero historical ignitions related to that particular ignition driver, its weighted effectiveness is zero.

Note that the Contact from Object driver was split into two categories: "Contact from Object – Vegetation" which represents effectiveness against vegetation contact and "Contact from Object – Other" which represents effectiveness against the animal contact, balloon contact, vehicle contact, and other.

PSPS effectiveness is categorized as High, Medium, or Low, which are defined as follows:

- High Effectiveness: Will result in a significant reduction or complete elimination of PSPS

- Medium Effectiveness: Will result in a moderate reduction of PSPS

- Low Effectiveness: Will result in a limited reduction of PSPS

Table SCE 7-02 - Mitigation Effectiveness

Tracking ID	Activity	Contact from Object - Veg.	Contact from Object - Other	Wire-to-wire contact	Equipment Failure	Other	PSPS
SH-1*	Covered Conductor	◕	●	●	◕	◕	Medium
SH-2	Undergrounding Overhead Conductor	●	●	●	●	●	High
SH-4	Branch Line Protection Strategy	◔	◔	◔	◔	◔	N/A
SH-5	Remote Controlled Automatic Reclosers Settings Update	◑	◑	◑	◑	◑	Low
SH-6	Circuit Breaker Relay Hardware for Fast Curve	◑	◑	◑	◑	◑	N/A
SH-8	Transmission Open Phase Detection	○	◔	○	◑	◔	N/A
SH-10	Tree Attachment Remediation	◔	◔	○	◕	○	N/A
SH-14	Long Span Initiative (LSI)	◔	◔	●	◔	○	N/A
SH-15	Vertical Switches	N/A	N/A	N/A	◔	N/A	N/A
SH-16**	Vibration Damper Retrofit	◕	●	●	◕	○	N/A
SH-17, SH-18	Rapid Earth Fault Current Limiters (REFCL) - Ground Fault Neutralizer	◑	◕	N/A	◕	◑	N/A
SA-11	Early Fault Detection	◔	◔	◔	◔	◔	N/A
IN-1.1	Distribution High Fire Risk-Informed Inspections & Remediations	◑	◑	N/A	◑	◑	N/A
IN-1.2a	Transmission Ground Inspections	◑	◑	N/A	◕	◔	N/A
IN-1.2b	Transmission Aerial Inspections	◑	◑	N/A	◕	◑	N/A
IN-3	Infrared of Distribution electrical lines & equipment	N/A	N/A	N/A	◔	◔	N/A
IN-5	Generation Inspections	N/A	N/A	N/A	N/A	N/A	N/A
VM-1	Hazard Tree Mitigation Program	◕	N/A	N/A	N/A	N/A	N/A
VM-2	Structure Brushing	N/A	N/A	N/A	◑	N/A	N/A
VM-3	Expanded Clearances for Legacy Facilities	◑	N/A	N/A	◑	N/A	N/A
VM-4	Dead and Dying Tree Removal	◕	N/A	N/A	N/A	N/A	N/A
VM-7	Distribution Line Clearances	◑	N/A	N/A	N/A	N/A	N/A
VM-8	Transmission Line Clearances	◑	N/A	N/A	N/A	N/A	N/A
IN-4	Infrared of Transmission electrical lines & equipment	N/A	N/A	N/A	◔	N/A	N/A
IN-9	Trans Conductor & Splice (Spans with LineVue)	N/A	N/A	N/A	○	N/A	N/A

* Combines the effectiveness of covered conductor and FR Poles
** Vibration dampers help maintain the useful life of covered conductor and therefore mirrors the covered conductor effectiveness

Legend		
	○	0% effectivenes at driver level
	◔	0% to 25% effectivenes at driver level
	◑	25% to 50% effectiveness at driver level
	◕	50% to 75% effectiveness at driver level
	●	75% to 100% effectiveness at driver level
	N/A	Driver is not applicable for mitigation

- **Risk Mitigation Effectiveness Uncertainty**: To the extent possible, SCE bases its assessment of mitigations' risk reduction effectiveness on quantitative data. However, sometimes quantitative data is either unavailable, due to the relative newness of an initiative, or only available in a small size. In such situations, SCE will rely on SME judgment and supplement with quantitative data as it becomes available. SCE takes into account the certainty of an initiative's effectiveness as it determines whether or not to deploy it and, if so, the magnitude of the deployment. Table SCE 7-03 below displays the sources of SCE's estimates of initiatives' risk mitigation effectiveness.

Table SCE 7-03 - Mitigation Effectiveness Sources

Tracking ID	Mitigation	Estimate Source
SH-1	Covered Conductor	Bayesian or other formal analysis incorporating industry data with internal data
SH-2	Undergrounding Overhead Conductor	Bayesian or other formal analysis incorporating industry data with internal data
SH-4	Branch Line Protection Strategy	Limited internal data
SH-5	Remote Controlled Automatic Reclosers Settings Update	Multiple SMEs
SH-6	Circuit Breaker Relay Hardware for Fast Curve	Internal data
SH-8	Transmission Open Phase Detection	Multiple SMEs
SH-10	Tree Attachments Remediation	Multiple SMEs
SH-14	Long Span Initiative (LSI)	Multiple SMEs
SH-15	Vertical Switches	Multiple SMEs
SH-16	Vibration Damper Retrofit	Multiple SMEs
SH-17	Rapid Earth Fault Current Limiters (REFCL) - Ground Fault Neutralizer	Bayesian or other formal analysis incorporating industry data with internal data
SH-18	REFCL (Grounding Conversion)	Bayesian or other formal analysis incorporating industry data with internal data
SA-11	Early Fault Detection	Limited internal data
IN-1.1	Distribution High Fire Risk-Informed Inspections & Remediations	Internal data
IN-1.2	Transmission Risk-Informed Inspections and Remediations	Internal data
IN-3	Infrared of Distribution electrical lines & equipment	Limited internal data
IN-4	Infrared of Transmission electrical lines & equipment	Limited internal data
IN-5	Generation High Risk Informed Inspections & Remediations	Limited internal data
IN-9	Transmission Conductor & Splice	Multiple SMEs
VM-1	Hazard Tree Mitigation Program	Internal data
VM-2	Structure Brushing	Internal data
VM-3	Expanded Clearances for Legacy Facilities	Limited internal data
VM-4	Dead and Dying Tree Removal	Internal data
VM-7	Distribution Line Clearances	Internal data
VM-8	Transmission Line Clearances	Limited internal data

Risk Spend Efficiency (RSE): SCE developed its MAVF based on the six principles as set forth in the S-MAP Settlement.[116] The MAVF is a framework to combine different consequences (e.g., safety, reliability and

[116] *See* S-MAP Settlement Agreement, pp. A-5 – A-6.

financial) into a generic unitless risk score, MARS, so that risks and mitigation alternatives can be compared on a uniform scale. SCE uses MARS, as appropriate, to establish baseline risk and to develop RSEs, given that MARS itself has no visible standalone value. RSEs help SCE evaluate the relative cost-effectiveness of potential initiatives; this in turn provides insight concerning prudently allocating resources, funding, and efforts to efficiently mitigate wildfire risk.

That said, it would not be in the best interest of our customers or the communities we serve if SCE were to carry out a comprehensive wildfire risk mitigation plan based solely on RSEs. An RSE does not take into account certain operational realities, such as resource constraints, compliance issues, or service disruptions. Relying solely on RSEs could lead to significant parts of the system and potentially significant risk issues being left unaddressed. Indeed, the Commission's Safety and Enforcement Division (SED) noted that focusing solely on RSEs in selecting mitigations could be "suboptimal from an aggregate risk portfolio standpoint."[117] SED acknowledged that "mitigations are usually selected based on the highest risk spend efficiency score unless there may be some identified resource constraints, compliance constraints, or operational constraints that may favor another candidate measure with a lower RSE."[118] SCE agrees with this characterization. An initiative with a relatively higher RSE is generally favorable to one with a relatively lower RSE. However, when an initiative has a relatively lower RSE, it could still be selected if, for example, it is easier to deploy quickly (e.g., critical care battery backup program to medical baseline customers affected by PSPS), addresses a particular risk driver that other mitigations do not (e.g., C-hook replacement and aerial inspections), or reduces overall risk even if it costs more (e.g., targeted undergrounding).

Operational Feasibility / Lead Time to Deployment: An important feature of the selection process is obtaining an early understanding of the feasibility of implementing an initiative, and the time required to plan, design and ultimately deploy the initiative. Since SCE is focused on reducing wildfire risk as quickly as reasonably possible, our preference leans toward initiatives that can be deployed more quickly in order to protect public safety. However, SCE carefully considers certain initiatives that may have longer lead times but that are necessary to provide substantial long-term risk reduction. SCE provides deployment times for its portfolios in Table SCE 7-07 in Section 7.1.4.2.

Cost to Customers: While the primary focus of our WMP is to reduce wildfire and PSPS risk at an appropriately urgent pace for the safety of our customers, cost is a factor in the decision-making process. In addition to RSEs that assess the risk reduction benefits of each initiative against its costs, the total cost associated with any initiative also needs to be considered to account for customer affordability and funding constraints. SCE notes that implementation costs for selected mitigations as a whole are provided in

Table 4-1 in Section 4, at the portfolio level in Table SCE 7-06 in Section 7.1.4.2 and at the individual level in Table 11 of the QDR.

Enabling Activity / Technology / Additional Benefits: Initiatives can be selected that do not directly reduce wildfire or PSPS risk, but rather *enable* other initiatives to reduce risk, or to do so more efficiently. In our decision-making process, SCE will also consider indirect but worthwhile benefits that initiatives may provide. Such indirect benefits may include improved system reliability, faster service restoration, improved communications with customers, etc. While valuable, these secondary benefits may be less influential in the wildfire risk reduction decision-making process compared to the other factors.

[117] California Public Utilities Commission, Risk and Safety Aspects of Risk Assessment and Mitigation Phase Report of Pacific Gas and Electric Company, Investigation 17-11-003 (March 30, 2018), page 18.
[118] Id.

Compliance Requirement / Regulatory Guidance: In most circumstances, activities necessary to comply with local, state, or federal laws or regulations will be selected irrespective of other factors. In other words, compliance needs may weigh in favor of selecting the initiative even if other factors seem to weigh against selecting the initiative, particularly if the initiative represents the only prudent or feasible way to comply with the applicable law(s) or regulations(s). In addition, SCE takes into account Commission or other regulatory guidance and decisions when we are selecting wildfire mitigation activities and scope.

Resource Availability: With increasing work to maintain and operate the grid while upgrading it to mitigate safety and resiliency risks, there are increasing constraints associated with specialized resources such as planners, designers, engineers, field crews, etc. The scope of such resource constraints can be internal, across the state, and even nationwide at times. If requisite resources are not available, the potential initiative could be temporarily deferred or de-scoped.

7.1.4.2 Mitigation Initiative Prioritization

After identifying and characterizing the mitigation options, the electrical corporation must analyze the options to determine which will reduce risk the most, given limitations and constraints (e.g., resources available for mitigation initiatives). To the greatest extent practicable, the electrical corporation must make these determinations using its existing framework of project prioritization. The electrical corporation must strive to optimize its resources for maximum risk reduction.

The electrical corporation should seek the best integrated portfolio of mitigation initiatives to meet its performance objectives. Objectives may be based on quantified risk assessment results (see Section 6) or other values prioritized by the electrical corporation or broader stakeholder groups (e.g., environmental protection, public perception, resilience, cost). At a minimum, the electrical corporation must do the following:

- *Evaluate its potential mitigation initiatives. This evaluation will yield a prioritized list of initiatives. The objective is for the electrical corporation to identify the preferable initiatives for specific geographical areas. (Comparable to 2018 S-MAP Settlement Agreement, rows 12, 26, and 29.)*
- *Identify the best mitigation initiatives for all geographical areas to create a portfolio of projects expected to provide maximal benefits within known limitations and constraints. (Comparable to 2018 S-MAP Settlement Agreement, rows 12, 26, and 29.)*
- *Explain how the electrical corporation is optimizing its resources to maximize risk reduction. Describe how the proposed initiatives are an efficient use of electrical corporation resources and focus on achieving the greatest risk reduction with the most efficient use of funds and workforce resources.*

This process is expected to be iterative due to the competing nature of performance objectives and their complex interrelationships.

The electrical corporation must describe how it prioritizes mitigation initiatives to reduce both wildfire and PSPS risk. This discussion must include the following:

- *A high-level schematic showing the procedures and evaluation criteria used to evaluate potential mitigation initiatives. At a minimum, the schematic must demonstrate the roles of quantitative risk assessment, resource allocation, evaluation of other performance objectives (e.g., cost, timing) identified by the electrical corporation, and subject matter expert (SME) judgment. Where specific*

local factors, which vary across the service territory, are considered in the decision-making process (e.g., the primary risk driver in a region is legacy equipment), they must be indicated in the schematic. The detail must be sufficiently specific to understand why those local conditions are part of the decision process (i.e., there should not be simply one box in the schematic that is labeled "local conditions," which is then connected to the rest of the process).

- *Summary description (no more than five pages) of the procedures and evaluation criteria for prioritizing mitigation initiatives, including the three minimum requirements listed above in this section.*

Evaluate Mitigations

SCE's process for evaluating mitigations is described in detail in Section 7.1.4.1. High level schematics are provided as Figure SCE 7-01 and Figure SCE 7-02. High level schematics are provided as Figure SCE 7-01 and Figure SCE 7-02.

Optimized Mitigation Portfolios

After the initiatives are identified and evaluated pursuant to the process described above (SCE's evaluation process, criteria and high-level schematic are presented in Section 7.1.4.1), SCE designs portfolios of mitigations tailored to each of the three risk tranches.

Table SCE 7-04 - Preferred Mitigation Portfolio per Risk Tranche

Risk Tranche	Preferred Mitigation Portfolio
Severe Risk Areas	TUG or REFCL/CC++
High Consequence Areas	CC++
Other HFRA	VM/I++
Transmission[119]	TVM/I

Severe Risk Areas

For Severe Risk Area locations, the threat to lives and property is elevated to such an extent that SCE has determined that for public safety reasons it is prudent to not just significantly reduce ignition risk expeditiously but minimize it in the long term to the extent practicable. Therefore, undergrounding is preferred unless covered conductor has already been installed or specific terrain or local issues require alternatives such as covered conductor with supplementary mitigations.

For example, mountainous regions with winding rights-of-way and rocky soil may not be conducive to undergrounding. In those situations, SCE would examine alternatives such as covered conductor paired with REFCL. On the other hand, undergrounding may be more feasible in flat areas with silty clay soil, making that the preferred option. Accordingly, Severe Risk Areas are assigned either the portfolio known as TUG or REFCL/CC++.

Due to the potential impacts that a wildfire would have in these areas, when designing REFCL/CC++, SCE looked to mitigate all risk drivers to the extent reasonably possible. This necessarily means some cost-

[119] SCE's transmission lines also traverse severe risk areas, high consequence areas, and Other HFRAs.

efficient redundancy, which is desirable since no mitigation matches undergrounding on its own. Thus REFCL/CC++ includes covered conductor, fast curve, vegetation management, and fusing to address contact from object; REFCL, asset inspections, and covered conductor to address equipment failure; and covered conductor to address wire to wire contact.

As all options have implementation times of multiple months, up to as much as four years or more, SCE will continue to use initiatives such as Fast Curve (FC) settings, asset inspections on the most frequent basis, and, as a tool of last resort, PSPS to mitigate the risk of ignitions while the selected initiative is designed, permitted, and constructed.

High Consequence Areas

For High Consequence Area locations, SCE's strategy focuses on mitigating the majority of significant ignition risk drivers. SCE has selected CC++ for most of the High Consequence Areas that are still unmitigated, as it addresses all significant ignition risk drivers associated with overhead conductor, reduces more risk per dollar spent, and is faster and easier to deploy.

Other HFRA

For areas classified at Other HFRA, SCE will harden overhead distribution circuits over time, as it replaces retired or damaged bare wires with covered conductor pursuant to its standards in HFRA. SCE will continue wildfire mitigation initiatives such as asset inspections, Fast Curve settings, and vegetation management that have relatively low incremental costs or are dictated by compliance requirements or local conditions. Additionally, the deployment of technology like EFD may provide some monitoring benefit on these unmitigated aging assets (e.g., detect issues on the electric line before failure). Accordingly, Other HFRAs are assigned the VM/I++ portfolio of mitigations.

Although SCE is not currently targeting proactive hardening of these lines (with the exception of where it may be operationally efficient to do so), SCE periodically re-evaluates risks in these locations based on climate change impacts, refined risk methodologies and modeling, and/or more accurate information.

Transmission

Similar to SCE's overhead distribution lines, SCE's overhead transmission lines traverse Severe Risk Areas, High Consequence Areas and Other HFRAs. However, due to taller structures and greater space between phases, SCE's transmission lines generally have a lower risk of ignition than its overhead distribution lines and thus have its own portfolio of mitigations assigned to it, TVM/I. SCE will perform additional review and analysis of possible mitigations for transmission lines in 2023 beyond what is currently included in the TVM/I portfolio. This is further described in Section 8.1.2.12.1.

Table SCE 7-05 below summarizes the components of each portfolio and potential alternatives for each mitigation.

Table SCE 7-05 - Mitigation Portfolios

Mitigation	Portfolio Including Mitigation
Covered Conductor	CC++, REFCL/CC++
Undergrounding Overhead Conductor	TUG
Branch Line Protection Strategy	TUG, CC++, REFCL/CC++, VM/I++
Remote Controlled Automatic Reclosers Settings Update	TUG, CC++, REFCL/CC++, VM/I++
Circuit Breaker Relay Hardware for Fast Curve	TUG, CC++, REFCL/CC++, VM/I++

Mitigation	Portfolio Including Mitigation
Transmission Open Phase Detection	TVM/I
Tree Attachments Remediation	Deployed to address specific known issue
Long Span Initiative (LSI)	Deployed to address specific known issue
Vertical Switches	Deployed to address specific known issue
Vibration Damper Retrofit	Deployed to address specific known issue
Rapid Earth Fault Current Limiters (REFCL) - Ground Fault Neutralizer	REFCL/CC++
REFCL (Grounding Conversion)	REFCL/CC++
Early Fault Detection	CC++, REFCL/CC++, VM/I++
Distribution High Fire Risk-Informed Inspections & Remediations	TUG, CC++, REFCL/CC++, VM/I++
Transmission Risk-Informed Inspections & Remediations	TVM/I
Infrared of Distribution electrical lines & equipment	TUG, CC++, REFCL/CC++, VM/I++
Infrared of Transmission electrical lines & equipment	TVM/I
Generation High Risk Informed Inspections & Remediations	Legacy facilities only
Transmission Conductor & Splice	TVM/I
Hazard Tree Mitigation Program	TUG, CC++, REFCL/CC++, VM/I++
Structure Brushing	TUG, CC++, REFCL/CC++
Expanded Clearances for Legacy Facilities	Legacy facilities only
Dead and Dying Tree Removal	TUG, CC++, REFCL/CC++, VM/I++
Distribution Line Clearances	TUG, CC++, REFCL/CC++, VM/I++
Transmission Line Clearances	TVM/I

Table SCE 7-06 below summarizes the relative effectiveness of each portfolio across risk drivers.

Table SCE 7-06 - Efficacy of Mitigation Portfolios

Attribute	Underground	CC/REFCL++	CC++	VM/I++
Approximate Average lifetime cost/mile[120]	$2.9M-$4.5M+[121]	$1.1M-$2.3M	$1.1M-$1.3M	$0.35-$0.45M[122]
Deployment Speed[123]	25-48+ months	18-36+ months	16-24+months	Annual
Phase-to-phase incandescent particle ignition[124] mitigation	High	High	High	Low

[120] Cost estimates associated with the "++" and VM/I++ portfolio are lifetime O&M costs and excludes Capital costs.
[121] Based on current analysis, SCE estimates that a small population of underground miles may fall below this range.
[122] Estimate of lifetime cost of the VM/I++ portfolio in Other HFRAs
[123] Typical deployment timelines based on historical installations and projected costs. Actual timelines can vary further due to local conditions.
[124] Examples include conductor to conductor contact, balloon coming between two phase wires.

Attribute	Underground	CC/REFCL++	CC++	VM/I++
Phase-to-ground incandescent particle ignition[125] mitigation	High	High	High	Medium
Distribution Wire-down ignition mitigation	High	High	High	Low
Equipment Failure mitigation	High	High	Medium	Medium

Adjustments to Portfolios

As described in Section 6.2.1, the Review and Revise stage consists of the team of SMEs reviewing unhardened segments and local conditions to determine if the segments were appropriately categorized during the Initial Risk Categorization stage. SCE leverages this evaluation process to make individualized adjustments to mitigation portfolios for specific segments if local conditions make an alternative mitigation more appropriate. For example, if a long line of overhead conductor runs through a Severe Risk Area and serves what appears to be relatively small load, the team may recommend a Remote Grid option be evaluated in lieu of undergrounding. Or if the overhead line passes through a region filled with heavy trees and the terrain appears difficult to underground, the team may recommend the evaluation of spacer cable or the combination of covered conductor and REFCL. Further if during a feasibility review, if the mitigation is considered infeasible in a specific location due to local conditions, the Review and Revise team will recommend an alternative mitigation.

7.1.4.3 Mitigation Initiative Scheduling

The electrical corporation must report on its schedule for implementing its portfolio of mitigation initiatives. The electrical corporation must describe its preliminary schedules for each initiative and its iterative processes for modifying mitigation initiatives (Section 7.1.4.1).

Mitigation initiatives may require several years to implement. For example, relocating transmission or distribution capabilities from overhead to underground may require substantial time and resources. Since mitigation initiatives are undertaken in high-risk regions, the electrical corporation may need interim mitigation initiatives to mitigate risk while working to implement long-term strategies. Some examples of interim mitigation initiatives include more frequent inspections, fire detection and monitoring activities, and PSPS usage. If the electrical corporation's mitigation initiative requires substantial time to implement, the electrical corporation must identify and deploy interim mitigation initiatives as described in Section 6.3.1.

In its WMP submission, the electrical corporation must provide a summary description of the procedures it uses in developing and deploying mitigation initiatives. This discussion must include the following:

- *How the electrical corporation schedules mitigation initiatives.*
- *How the electrical corporation evaluates whether an interim mitigation initiative is needed and, if so, how an interim mitigation initiative is selected (see Section 7.2.3)*
- *How the electrical corporation monitors its progress toward its targets within known limitations and constraints. This should include descriptions of mechanisms for detecting when an initiative is off track and for bringing it back on track.*

[125] Examples include tree to conductor contact, animal contact between phase wires and pole.

- *How the electrical corporation measures the effectiveness of mitigation initiatives (e.g., tracking the number of protective equipment and device settings de-energizations that had the potential to ignite a wildfire due to observed damage/contact prior to re-energization). The mitigation sections of these Guidelines (Sections 8) include specific requirements for each mitigation initiative.*

Initiative Implementation Process and Schedule

While SCE's risk models continue to evolve, a guiding principle in scheduling mitigation initiatives is to prioritize work to reduce wildfire risk as expeditiously and efficiently as possible.

The following describes SCE's approach to mitigation scheduling by major mitigation category:

Grid Hardening activities are scheduled and scoped on a multi-year basis due to the long lead times to perform advanced planning tasks such as engineering, sourcing, permitting, municipal coordination, and resource allocation.

Inspections are scheduled on a risk-informed annual basis as described in Sections 8.1.3.1 and 8.1.3.2. At a minimum, SCE performs inspections on a cadence that meets or exceeds CPUC requirements with the riskiest areas getting the most frequent inspections.

Vegetation Management activities are also scheduled on a risk-informed basis as described in Sections 8.2.2.3 and 8.2.3.4. SCE performs vegetation management activities that meet or exceed CPUC requirements.

Activities related to **Situational Awareness**, **Emergency Preparedness**, and **Community Outreach and Engagement** are typically performed on an ongoing basis, with some seasonal variation, and are not scheduled in the same sense as hardening, inspection, and vegetation management activities. Please see Sections 8.3, 8.4, and 8.5 (respectively) for further detail.

Generally, SCE implements its wildfire mitigations through a process that consists of four phases: Initiate, Planning, Scheduling and Execute. The phases are defined below:

- Initiate is the process of developing the scope based on risk data.
- Planning involves engineering and design as well as initiating early permit application requirements
- Scheduling involves performing standard permitting and easement processes, environmental clearance processes, and verifying other permits. Additionally, during this phase materials are acquired, work is scheduled, and circuit maps finalized.
- Execution involves the construction and deployment of the activity.

For the initiate phase, initial selection and scoping is based on areas of highest risk, as defined by the three risk tranches in the IWMS Framework. SCE addresses those circuit-segments and circuits which present the greatest risk. However, SCE will often bundle work related to multiple and/or contiguous circuit-segments together to achieve operational efficiencies. For example, the risk associated with each circuit may not be uniform along its length. In other words, the risk can vary within a circuit, especially if that circuit traverses various parts of HFRA and is exposed to varying topography and vegetation that can influence fire propagation and consequence.

In some cases, it may be operationally efficient and prudent to remediate relatively lower risk segments of a circuit at the same time relatively higher risk segments of the same circuit are addressed, instead of sending

multiple crews out at multiple different times, requiring the development of separate work scope packages. Bundling work can also reduce community and environmental impacts by working in a location once versus sending crews to the same area multiple times.

The planning phase is next, once scope is selected. During this phase, a project manager is assigned to oversee the work and design resources are assigned to initiate the work order, design the project, map the circuit miles, procure the materials, and initiate obtaining permits. On average, this process takes six to nine months for WCCP and nine to fifteen months for TUG, assuming there are no completing resources for planning and no delays in environmental/agency approvals. Relatively higher risk segments might be remediated after other segments if it is more difficult to design or procure permits for them.

Scheduling begins with SCE's regional districts when the work is fully designed, permitted (including obtainment of easements), and cleared of environmental constraints. Scheduling is where materials are acquired, permits are verified, work is scheduled, and circuit maps are revised if found inconsistent with what is shown in the database. Design resources and project management teams also collaborate with customers, local government and state agencies to provide project details to obtain necessary easements prior to the start of construction. Scheduling can take between six to nine months for WCCP and nine to fifteen months for TUG.

In the execution phase, construction will proceed with necessary environmental monitoring if required. There are many factors that may affect the construction timeline including, for example, the size of the project, location of the project, terrain, environmental restrictions, weather (e.g., rain/snow, RFW days, etc.), resource availability and ensuring adherence to city requirements.

Every project will have unique factors that impact project timelines. For example, in many cases Qualified Electrical Workers (QEWs) are required to perform the electrical construction work. SCE uses a combination of SCE and external contractor crews to perform this work. The determination of which to utilize is based on crew availability, work priorities, location, and other factors.

Sample timelines for implementation of SCE's mitigation initiatives, assuming favorable conditions and no significant delay due to permitting or other reasons, are shown below in Table SCE 7-07. For inspection and vegetation management activities, the sample timelines are shown for the remediation portion of the work, as opposed to the inspection.

Table SCE 7-07 - Project Timelines for Wildfire Mitigations

Tracking ID	Mitigation	Initiate	Planning	Schedule	Execute	Total
SH-1	Covered Conductor	2-3 months	6-9 months	6-9 months	2-3 months	16 - 24 months
SH-2	Undergrounding Overhead Conductor	2-3 months	9-15 months	9-15 months	5-15 months	25 - 48 months
SH-4	Branch Line Protection Strategy[126]	1-2 months	3-4 months	10-11 months	10-11 months	14-17 months
SH-5	Remote Controlled Automatic Reclosers Settings Update[127]	1-3 months	1-3 months	1-2 months	1-4 months	4 - 12 months

[126] The schedule phase and execute phase for Branch Line Protection Strategy overlap
[127] Combines installation of Remote Controlled Automatic Reclosers (RAR) and RAR settings update

Tracking ID	Mitigation	Initiate	Planning	Schedule	Execute	Total
SH-6	Circuit Breaker Relay Hardware for Fast Curve	2-3 months	1-2 months	1-2 months	12-24 months	16-31 months
SH-8	Transmission Open Phase Detection	1-2 months	3-6 months	2-4 months	3-6 months	9 - 18 months
SH-10	Tree Attachments Remediation	2-3 months	6-8 months	9-10 months	12-14 months	26 - 35 months
SH-14	Long Span Initiative (LSI)	2-3 months	1-9 months	1-3 months	1-6 months	5 - 21 months
SH-15	Vertical Switches	Completed	1-2 months	1-2 months	1-2 months	3-6 months
SH-16	Vibration Damper Retrofit[128]	1-2 months	3-4 months	10-11 months	10-11 months	14 - 17 months
SH-17	Rapid Earth Fault Current Limiters (REFCL) - Ground Fault Neutralizer	2-3 months	12-72 months	4-9 months	6-12 months	24 - 96 months
SH-18	REFCL (Grounding Conversion)	2-3 months	4-18 months	2-4 months	2-4 months	10 - 29 months
SA-11	Early Fault Detection	1-2 months	3-6 months	2-4 months	3-6 months	9 - 18 months
IN-1.1	Distribution High Fire Risk-Informed Remediations	1day	5 – 11 months	1 month	1day	6 –12 months
IN-1.2	Transmission Risk-Informed Remediations	1day	5 – 11 months	1 month	1day	6 –12 months
IN-3	Distribution Infrared Remediations	1day	5 – 11 months	1 month	1day	6 –12 months
IN-4	Transmission Infrared Remediations	1day	5 – 11 months	1 month	1day	6 –12 months
IN-5	Generation High Risk Informed Inspections & Remediations	4-6 months	2-3 months	1-2 months	12 months	19 - 23 months
IN-9	Transmission Conductor & Splice Remediations	1day	5 – 11 months	1 month	1day	6 –12 months
VM-1	Hazard Tree Mitigation Program	1 day	1-2 months	1-2 month	1 day	2-4 months
VM-2	Structure Brushing Remediations	<1 day	<1 day	<1 day	<1 day	1 day
VM-3	Expanded Clearances for Legacy Facilities	1 day	1-2 months	1 month	1 week	2-3 months

[128] The schedule phase and execute phase for Vibration Damper Retrofit overlap

Tracking ID	Mitigation	Initiate	Planning	Schedule	Execute	Total
VM-4	Dead and Dying Tree Removal	1 day	1-2 months	1-2 month	1 day	2-4 months
VM-7	Distribution Line Clearances	1 day	1-2 months	1 month	1 day	2-3 months
VM-8	Transmission Line Clearances	1 day	1-2 months	1 month	1 day	2-3 months

Interim Strategy Development

Please see Section 7.2.3 Interim Mitigation Initiativesfor the explanation of interim strategy development.

Project Management Controls/Target Tracking

On an annual basis, SCE's performance management organization works with the strategy and execution teams to develop internal monthly and/or quarterly project plans for all WMP activities and targets.

The project plans are used in conjunction with other lagging and leading indicators to measure the monthly performance of the WMP activities in achieving their targets, as well as to proactively identify issues throughout the year that may affect an activity's performance. Key performance insights are consolidated into a performance dashboard and presented and discussed on a monthly basis with SCE executives and key leaders. The purpose of the dashboard is to:

- Clearly communicate WMP activities
- Monitor progress toward monthly / annual goals
- Measure delivery of key objectives
- Develop corrective action plans when activities fall behind plan

Performance issues are immediately raised within the respective execution teams, including identification of the key drivers / issues and a plan for resolution and recovery.

Performance highlights are also summarized and provided monthly to OEIS with a monthly report-out on activities that are behind-plan or at-risk of meeting their year-end targets.

On a quarterly basis, SCE further summarizes progress toward meeting its WMP commitments through development and delivery of the following deliverables to Energy Safety:

- Quarterly Notification Letter
- Quarterly Data Report - Geographic Information System (GIS) Data
- Quarterly Data Report – Wildfire Mitigation Data Tables

On an annual basis, SCE submits an Annual Report of Compliance (ARC) that details SCE's performance against its WMP, including a review of the wildfire mitigation initiatives implemented and an accounting of whether SCE met its performance targets, whether spending on any of those initiatives did not reach anticipated levels, and whether SCE followed its QA/QC processes.

SCE closely monitors the financial impacts of its wildfire mitigation portfolio on a regular basis, including through the following mechanisms described below.

Recording and reporting of actual spend: Costs incurred for WMP activities record to specific wildfire-related internal accounting codes. This allows SCE to properly track recorded costs against the WMP forecast.

Sarbanes-Oxley (SOX) controls: On a monthly basis, SCE's Finance organization performs SOX control testing on distribution inspection and remediation work orders to help ensure proper accounting. The Finance organization also performs SOX control testing on selected mitigations such as vegetation management, aerial inspections, wildfire remediations, and covered conductor expenditures to help ensure current monthly goods and services received and work performed are properly accrued and accounted for.

Performance Reviews and Year-End Projections: On a monthly basis, SCE's Finance organization partners with execution organizations to refresh assumptions for year-end financial projections for each activity. Throughout the course of the year, various factors may impact the achievement of year-end financial forecasts, including resource costs, work delays or acceleration, etc. SCE reviews variance analyses for work performed to-date, understands changes to cost-pers, and evaluates impacts to year-end financial projections. Any material updates to activity financial projections are approved through internal governance.

Mitigation Initiative Effectiveness

How the electrical corporation measures the effectiveness of mitigation initiatives (e.g., tracking the number of protective equipment and device settings de-energizations that had the potential to ignite a wildfire due to observed damage/contact prior to re- energization). The mitigation sections of these Guidelines (Sections 8) include specific requirements for each mitigation initiative.

Please see in the Performance Metrics tables in Sections 8.1, 8.2, 8.3, 8, Community Outreach and Engagement and 9 for Performance Metrics that SCE has selected for each WMP category. Additional performance metrics are provided in SCE's Wildfire Mitigation Data Tables. SCE will use these metrics, along with other data such as field observations and ignition investigations, to help inform its annual evaluation and calculation of mitigation initiatives' effectiveness against risk drivers, as discussed in Section 7.1.4.1.

SCE also considers learnings from observed risk events as potentially relevant to evaluating mitigation effectiveness. This discussion can be found in Section 10 (Lessons Learned) and Section 11 (Corrective Action Program). These types of learnings may provide insight that SCE uses to adjust or change its approach.

As SCE has stated in prior regulatory filings,[129] risk outcomes and events will vary from year to year based on factors such as weather, system conditions, and other variables. SCE actively monitors risk events and performance metrics, but also understands that a complete understanding of mitigation effectiveness takes several years of observed field data to account for short-term and annual variations inherent in any real-world deployment.

SCE may also use formal studies and analysis to understand mitigation effectiveness. For example, as

[129] *See, e.g.*, SCE's 2022 WMP – Chapter 6.3; November 28, 2022 SCE Opening Comments on Draft Annual Report on Compliance for Southern California Edison's 2020 Wildfire Mitigation Plan; November 22, 2021 SCE Comments on Draft Resolution M-4860 and Related Attachments.

described in SCE's Covered Conductor Compendium,[130] SCE performed benchmarking with other utilities around the world, reviewed literature for best practices, and worked with research institutions and suppliers to perform testing on the effectiveness of covered conductor.

Additionally, SCE also recently worked with other California IOUs to commission Exponent, an independent third party, to review potential failure modes of overhead lines, both bare and covered, and performed additional testing to understand the effectiveness of covered conductor. This additional independent testing on covered conductor effectiveness evaluated phase-to-phase contact and simulated wire-down testing. "CCs were 100% effective at preventing arcing and ignition in tested scenarios at rated voltages. This is consistent with documented field experience as reported in Exponent's Phase I report."[131]

[130] SCE's Covered Conductor Compendium is available at https://www.sce.com/safety/wild-fire-mitigation

[131] See "Joint IOU Covered Conductor Testing Cumulative Report 12-22-22_Redacted", Exponent, pg. vi this document is also available at https://www.sce.com/safety/wild-fire-mitigation

7.2 Wildfire Mitigation Strategy

Each electrical corporation must provide an overview of its proposed wildfire mitigation strategies based on the evaluation process identified in Section 7.1.

7.2.1 Overview of Mitigation Initiatives and Activities

The electrical corporation must provide a high-level summary of the portfolio of mitigation initiatives across its service territory. In addition, the electrical corporation must describe its reasoning for the proposed portfolio of mitigation initiatives and why it did not select other potential mitigation initiatives.

Additionally, for each mitigation initiative category, the electrical corporation must provide the following:

- *A high-level overview of the selected mitigation initiatives*
- *An implementation plan, including its schedule and how progress will be monitored*
- *How the need for any interim mitigation initiatives was determined and how interim mitigation initiatives were selected (see Section 7.2.3)*

Overview

Please see Section 7.1.4, in particular, Table SCE 7-02, Table SCE 7-03, Table SCE 7-04, Table SCE 7-05, Table SCE 7-06 and Table SCE 7-07, for a high-level summary of SCE's portfolio of mitigation initiatives. SCE employs a combination of complementary activities in the categories of grid hardening, asset inspections, vegetation management, grid operations and situational awareness that are developed and targeted to address local wildfire and PSPS conditions. These activities are further complemented by Emergency Preparedness and Community Outreach and Engagement activities.

For an explanation of SCE's mitigation selection process, including choices when multiple options may be available, please see Section 7.1.4.1. SCE's IWMS, which guides mitigation prioritization and selection (e.g., should a given area receive undergrounding, covered conductor, more frequent inspections, etc.), is described in Section 7.1.4.2. The three risk tranches defined by the IWMS Risk Framework are primarily used to determine prioritization and selecting mitigations for grid hardening, vegetation management, and asset inspection activities.

Implementation Plan

Please see Table SCE 7-08, which provides a category level overview, information on the implementation plan for each category, and interim mitigation strategies. The table below contains information at a summary level; see Sections 8.1 through Community Outreach and Engagement for more detail on the various mitigation initiatives for each category in SCE's wildfire mitigation portfolio.

Section 7.2.3 Interim Mitigation Initiatives provides additional detail on interim mitigation initiatives that accompany this plan to address near-term risks while longer-lead time initiatives are implemented.

Please also see Table 7-2, which SCE has populated based on the template provided in the Final Guidelines. SCE has interpreted this requirement as a table that lists the 3- and 10-year objectives by initiative category.

Table SCE 7-08 - Proposed Wildfire Mitigation Portfolio Category Overview

Initiative Category	Overview	Implementation Plan	Interim Initiative Selection
Grid Design, Operations, and Maintenance (System Hardening) Sections 8.1.2, 8.1.8	Mitigation initiatives in this category are implemented to maintain, strengthen, and upgrade electrical equipment and infrastructure to reduce the risk of fire ignitions in the HFRA. Key initiatives include Covered Conductor (SH-1), Targeted Undergrounding (SH-2), REFCL (SH-17 and SH-18), and Circuit Breaker Relay Hardware for Fast Curve (SH-6).	SCE's grid hardening initiatives follow the Initiate, Plan, Schedule and Execute approach as described in 7.1.4.3. Initiatives have various timelines for them to be installed in the field (e.g., WCCP takes ~16-24 months to implement).	SCE determines the interim mitigation(s) by the proposed long-term mitigation strategy (covered conductor or Targeted Undergrounding) that will be deployed using SCE's IWMS. Areas that will be undergrounded will have interim mitigations deployed such as asset inspections (at the most frequent interval), vegetation management, and fast curve settings, that are complementary to covered conductor while the segment is waiting to be undergrounded. See Section 7.2.3 Interim Mitigation Initiatives for more details.
Grid Design, Operations, and Maintenance (Asset Inspections) Section 8–8.1.7	Mitigation initiatives in this category are aimed at inspecting assets in HFRA and remediating identified issues in a timely manner. Key initiatives include Distribution and Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (IN-1.1 and IN-1.2)	SCE conducts detailed inspections of each structure within HFRA at least once every three years. All structures in areas identified as 'Severe Risk Area' will be inspected annually at minimum.	Due to their repeated and cyclical nature, inspection initiatives generally don't require interim initiatives. Inspections may be used as interim mitigations for other initiatives.
Grid Design, Operations, and Maintenance (Operations) Section 8.1.8	The settings covered by this category are aimed at reducing the risk of wildfires during periods of elevated fire conditions. Key settings include Fast Curve and blocking automatic reclosers.	Implementation time to activate settings during periods of elevated fire threats is very brief where the equipment is capable of those settings.	Due to the short timeframe to activate settings on equipment, protective settings generally don't require interim initiatives. Protective settings may be used as interim mitigations for other initiatives.

Initiative Category	Overview	Implementation Plan	Interim Initiative Selection
Vegetation Management and Inspection Section 8.2	Mitigation initiatives in this category are aimed at preventing risks to public safety and system reliability by managing vegetation in proximity to SCE's electric facilities. Key initiatives include Hazard Tree Management Program (VM-1), Structure Brushing (VM-2), Dead and Dying Tree Removal (VM-4), Distribution Line Clearances (VM-7) and Transmission Line Clearances (VM-8).	Vegetation HTMP inspections are risk prioritized. Grids in the highest risk category follow an annual inspection cycle, while less risky grids follow a three-year inspection cycle. Routine line clearing is performed annually, or more often as needed.	Due to their repeated and cyclical nature, vegetation management initiatives generally don't require interim initiatives. They may be used as interim mitigations for other initiatives.
Situational Awareness and Forecasting Section 8.3	Mitigation initiatives in this category are aimed at improving SCE's weather and fuels modeling and enhancing SCE's visibility of conditions on the system via enhanced monitoring. Key initiatives include Weather Stations (SA-1), Weather and Fuels Modeling System (SA-3) and HD Cameras (SA-10).	SCE prioritizes weather station installations on HFRA circuits that are most likely to exceed PSPS wind thresholds. All distribution circuits that met or exceeded PSPS wind thresholds in the past five years have at least one weather station installed. SCE partners with UCSD to install HD cameras in locations where its Fire Science Team, Fire Management Team, IMT and/or fire agencies provide insight for rural areas needing views to assist in confirming the start of a fire.	Due to the relatively short implementation time of these initiatives, SCE generally does not have interim initiatives. As they're being installed, SCE relies upon previously installed units. For example, while new HD cameras are being installed, SCE relies upon HD cameras already in place.
Emergency Preparedness Section 8.4	Mitigation initiatives in this category are aimed at preparing SCE's response teams for hazards that potentially impact SCE's service area, including service restoration and supporting customers and	Aerial suppression resources can be deployed after the onset of a fire to help reduce the area burned and number of structures damaged or destroyed.	Due to their relatively short implementation time and cyclical nature, SCE generally does not have interim initiatives for initiatives in this category.

Initiative Category	Overview	Implementation Plan	Interim Initiative Selection
	communities during PSPS events. Key initiatives include Adequate and trained workforce for service restoration SCE Emergency Responder Training (DEP-2) Aerial Suppression (DEP-5), and Critical Care Backup Battery Program (PSPS-2).	During PSPS events, SCE uses Community Resource Centers and Community Crew Vehicles to provide support to customers in areas most likely to experience shutoffs.	
Community Outreach and Engagement Section 8.5	Mitigation initiatives in this category are aimed at engaging customers, the community and other stakeholder groups on information about PSPS, emergency preparedness, and SCE's wildfire mitigation plan efforts. Key initiatives include Community Meetings (DEP-1.2) and Customer Research and Education (DEP-4)	SCE will implement a customer-centric, integrated communications strategy to deliver consistent and cohesive messaging across traditional and digital channels to increase wildfire/PSPS customer education and preparedness.	Due to their relatively short implementation time and cyclical nature, SCE generally does not have interim initiatives for initiatives in this category.

Table 7-3 - List and Description of Electrical Corporation-Specific WMP Mitigation Initiatives for 3-year and 10-year Outlooks

WMP Category	Within 3 Years	Within 10 Years	Location in WMP
Grid design, Operations, and Maintenance	• Continue to perform targeted grid hardening to minimize impact on customers by reducing the scope and frequency of PSPS • Continue to prioritize grid hardening deployment based on the IWMS Risk Framework • Continue to deploy protection system mitigations and also refine circuit protection strategies to further reduce wildfire risk while balancing system reliability • Continue evaluation of emerging technologies to determine if any should be added to the grid hardening wildfire mitigation portfolio • Perform assessments of transmission hardening options and develop potential pilots/programs (contingent upon results of assessments) • Evaluate and update the inspection form regarding distribution and transmission high fire risk-informed (HFRI) inspections to reduce time required for data capture while still capturing critical information and incorporating lessons learned of potential failure modes • Continue to align scope selection of inspection programs with the IWMS Risk Framework • Develop and implement risk-prioritized remediations to reduce backlog of asset notifications	• Complete all proactive wildfire mitigation grid hardening • Obtain and implement more programmatic permitting that allows more streamlined execution of grid hardening work • Scale any new successful emergent technologies to supplement existing foundational grid hardening mitigations • If feasible and applicable, implement programs/pilots resulting from integrated transmission hardening strategy development and analysis • Integrate AI/ML analytical tools into inspection image data analysis to identify assets and defects • Integrate new technological tools into data collection for asset inspections (e.g., LiDAR) to identify defects (e.g., clearance issues) that need remediation • Maintain backlog at minimum levels and with as little fire risk as possible	Section 8.1
Vegetation Management	• Complete Joint-IOU Effectiveness of Enhanced Clearances Study • Deploy centralized inspection strategy and transition to circuits from grids • Develop and implement a risk-informed process to minimize backlog • Make substantial progress on evaluating remote sensing technology for vegetation inspections	• Replace a majority of ground inspection for vegetation line clearing in HFRA with remote sensing technology (e.g., LiDAR, satellite), subject to the evolution and effectiveness of the technology • Create and implement predictive growth model to facilitate "auto prescription" to reduce the frequency of manual or remote inspection in HFRA • Optimize vegetation inspection cycles/prescriptions based on risk factors (e.g., species, wind) for more granular locations • Obtain and implement programmatic permits to facilitate timely vegetation management work execution	Section 8.2
Situational Awareness and Forecasting	• Increased data collection (through additional weather station deployment, explore increased collection intervals, and additional SCE HD camera deployment) to expand situational awareness of real-time conditions and refine weather models • Expand data analysis supporting wildfire mitigation efforts, advance fire potential forecasting further, and improve modeling efforts as it relates to fire science • Increase ability to detect issues (e.g., damage and degradation) on the electric grid prior to risk events occurring • Review emerging technologies to improve weather situational awareness and forecasting capabilities for potential evaluation or adoption • Continue to increase situational awareness and improve the accuracy of weather forecasting to help optimize the scope of PSPS events	• Incorporate climate modeling (e.g., impacts of climate change) into medium- and long-term weather and fire potential forecasts • Continue to incorporate technologies and pilots into grid monitoring	Section 8.3

WMP Category	Within 3 Years	Within 10 Years	Location in WMP
Emergency Preparedness	• Maintain a comprehensive all-hazards planning and preparedness program to provide effective emergency response and to safely and expeditiously restore service during and after a major event • Provide effective and accurate communications to the public before, during and immediately following major outages and emergencies	• Refined emergency planning and preparedness practices and programs to support customers before, during, and following emergency events • Ongoing implementation of lessons learned and findings from After Action Reports (AARs) and other external sources to continuously improve emergency response capabilities	Section 8.4
Community Outreach and Engagement	• Actively collaborating with stakeholder networks and partnerships to better understand customer, community and stakeholder specific needs and develop tailored solutions, including AFN • Meet at least quarterly to provide updates on PSPS enhancement efforts and solicit input for improvement areas in how SCE approaches PSPS overall and provides a forum for stakeholders to propose ways to improve all aspects of PSPS	• Refine stakeholder engagement capabilities through tailored approaches for outreach, engagement and information exchange with customers, communities, and stakeholders • Continue to look for ways to expand engagement with agencies outside of CA, including supporting IWRMC's efforts to expand utility membership base and appoint leaders to its Executive Steering Group	Section 8.5
PSPS	• Re-evaluate existing PSPS windspeed thresholds using engineering-based analysis that considers, among other factors, the effectiveness of covered conductor. • Perform additional grid sectionalization and automation, paired with weather stations, to reduce the scope of PSPS events • Evaluate emerging technology for potential incorporation into PSPS protocols • Continue to increase situational awareness and improve precision of weather forecasting to help optimize the scope of PSPS events	• Sufficiently harden HFRA circuits to reduce potential PSPS impacts by up to 90%[132] • Incorporate successful emerging technologies into PSPS protocols to optimize scale, scope and frequency of PSPS	Section 9

[132] This analysis assumes an average PSPS threshold of 31mph sustained winds or 46mph wind gusts for bare, non-hardened circuits, and compares the average exceedance of that control point versus an average threshold of 40mph sustained winds or 58mph wind gusts for circuits with full covered conductor. Based on historical wind speed and FPI, the average circuit across SCE's service territory breaches the approximated hardened threshold about 90% less.

7.2.2 Anticipated Risk Reduction

In this section, the electrical corporation must present an overview of the expected risk reduction of its wildfire mitigation activities.

The electrical corporation must provide:

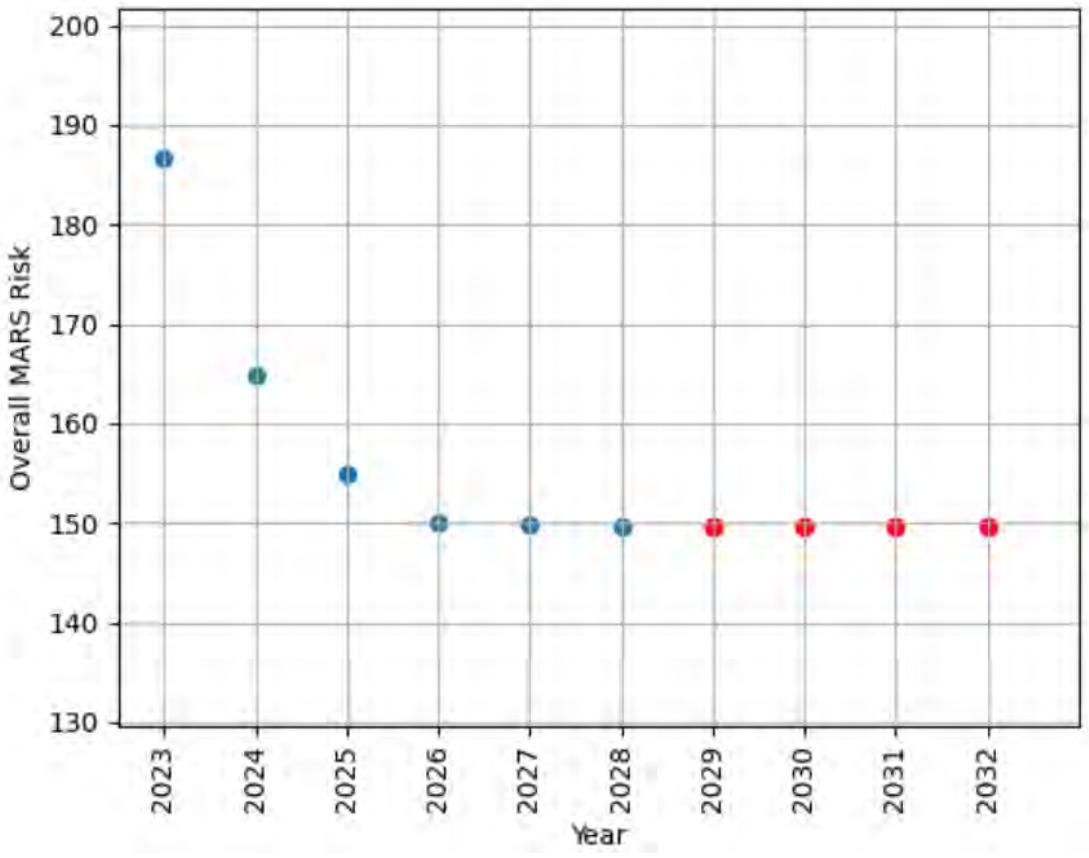
- *Projected overall risk reduction*
- *Projected risk reduction on highest-risk circuits over the three-year WMP cycle*

7.2.2.1 Projected Overall Risk Reduction

In this section, the electrical corporation must provide a figure showing the overall utility risk in its service territory as a function of time, assuming the electrical corporation meets the planned timeline for implementing the mitigations. The figure is expected to cover at least 10 years. If the electrical corporation proposes risk reduction strategies for a duration longer than ten years, this figure must show that corresponding time frame. Figure 7-1. is an example of a graph showing the long-term projected changes in overall risk.

As part of IWMS, SCE uses MARS to help quantify risk at a particular point of time and then to demonstrate risk reduction. Please see Figure 7-1, where SCE has projected overall risk in HFRA for the years of 2023 through 2028 (represented by the blue dots), which covers the current WMP cycle and the forecast period in SCE's 2025 General Rate Case. SCE has assumed a steady state risk level for the years of 2029 through 2032 (represented by the red dots), as SCE has not currently planned or scoped incremental mitigations after 2028, other than the replacement of retired overheard bare distribution wire with covered conductor pursuant to SCE's design standards in HFRA. SCE updated this figure on April 2, 2024. Please see Chapter 1 of the 2025 WMP Update for details.

Figure 7-1 - Projected Overall HFRA Risk



7.2.2.2 Risk Impact of Mitigation Initiatives

The electrical corporation must calculate the expected "x% risk impact" of each of its mitigation initiative activity targets for each year from 2023–2025. The expected x% risk impact is the expected percentage risk reduction on the last day of each year compared to the first day of that same year. For example: For protective devices and sensitivity settings, the risk on Jan. 1, 2024 = 2.59×10^{-1} After meeting its planned initiative activity targets for protective devices and sensitivity settings, the risk on Jan. 1, 2024 = 1.29×10^{-1} The expected x% risk impact for the protective devices and sensitivity settings initiative in 2024 is:

$$\frac{\text{risk before} - \text{risk after}}{\text{risk before}} \times 100$$

$$\frac{2.59 \times 10^{-1} - 1.29 \times 10^{-1}}{2.59 \times 10^{-1}} \times 100 = 50\%$$

The expected "x% risk impact" numbers must be reported for each planned mitigation initiative activities in the specific mitigation initiative sections of Section 8 (see example tables in Section 8).

7.2.2.3 Projected Risk Reduction on Highest-Risk Circuits Over the Three- Year WMP Cycle

The objective of the service territory risk reduction summary is to provide an integrated view of wildfire risk reduction across the electrical corporation's service territory. The electrical corporation must provide the following information:

- *Tabular summary of number risk reduction for each high-risk circuit, showing rick levels before and after the implementation of mitigation initiatives. This must include the same circuits, segments, or span IDs presented in Section 6.4.2. The table must incluse the following information for ach circuit*
    - ***Circuit, Segment, or Span ID:** Unique identifier for the circuit, segment, or span.*
        - *If there are multiple initiatives per ID, each must be listed separately, using an extender to provide a unique identifier*
        - ***Overall Utility Risk:** Numerical value for the overall utility risk before and after each mitigation initiative.*
        - ***Mitigation initiatives by implementation year:** Mitigation initiatives the electrical corporation plans to apply to the circuit in each year of the WMP cycle.*

Table 7-4 provides an example of a summary of risk reduction for top-risk circuits.

Table 7-4 shows the same circuits presented in Section 6.4.2, using MARS to rank them by overall utility risk in HFRA. To be clear, the existing risk as of January 1, 2023 takes into account covered conductor that was installed prior to 2023. Residual risk may remain high according to MARS for some circuits even after covered conductor is installed due to high potential consequence in those areas. SCE provides a more detailed description of the top-risk circuits below. SCE updated this table on April 2, 2024. Please see Chapter 1 of the 2025 WMP Update for details.

Table 7-4 - Summary of Risk Reduction for Top-Risk Circuits

Circuit Name	*Jan. 1, 2023 Overall utility risk*	*Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives*	*Jan. 1, 2024 Overall utility risk*	*Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives*	*Jan. 1, 2025 Overall utility risk*	*Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives*	*Jan. 1, 2026 Overall utility risk*
DAVENPORT	6.3569	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	6.3355	Risk-Informed Inspections and Remediations and Vegetation Management	6.3355	Risk-Informed Inspections and Remediations and Vegetation Management	6.3355
SHOVEL	3.4842	Branch Line Fuses, Covered Conductor, Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management	1.6959	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	1.6449	Risk-Informed Inspections and Remediations and Vegetation Management	1.6449
PAWNEE	3.4283	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	3.4185	Risk-Informed Inspections and Remediations and Vegetation Management	3.4185	Risk-Informed Inspections and Remediations and Vegetation Management	3.4185
ENERGY	3.3210	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	3.2413	Risk-Informed Inspections and Remediations and Vegetation Management	3.2413	Risk-Informed Inspections and Remediations and Vegetation Management	3.2413
SONOMA	2.6413	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	2.4296	Risk-Informed Inspections and Remediations and Vegetation Management	2.4296	Risk-Informed Inspections and Remediations and Vegetation Management	2.4296
SAUNDERS	2.3616	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	2.3499	Risk-Informed Inspections and Remediations and Vegetation Management	2.3499	Risk-Informed Inspections and Remediations and Vegetation Management	2.3499
STORES	2.3159	Long Span Initiative (LSI), Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	2.3105	Long Span Initiative (LSI), Risk-Informed Inspections and Remediations and Vegetation Management	2.3100	Risk-Informed Inspections and Remediations and Vegetation Management	2.3100
POPPET FLATS	2.2171	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	2.2071	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	2.1963	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	2.1828
WOBEGONE	2.2045	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	2.1977	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	2.1944	Risk-Informed Inspections and Remediations and Vegetation Management	2.1944
CUDDEBACK	1.4291	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	1.4231	Risk-Informed Inspections and Remediations and Vegetation Management	1.4231	Risk-Informed Inspections and Remediations and Vegetation Management	1.4231
LASKER	1.3239	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	1.2660	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	1.0551	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	1.0526

Circuit Name	*Jan. 1, 2023 Overall utility risk*	*Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives*	*Jan. 1, 2024 Overall utility risk*	*Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives*	*Jan. 1, 2025 Overall utility risk*	*Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives*	*Jan. 1, 2026 Overall utility risk*
LUISENO	1.2120	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	1.1131	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	1.1089	Risk-Informed Inspections and Remediations and Vegetation Management	1.1089
LOUCKS	0.9764	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.9732	Risk-Informed Inspections and Remediations and Vegetation Management	0.9732	Risk-Informed Inspections and Remediations and Vegetation Management	0.9732
RAYBURN	0.9246	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.8687	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.8390	Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management	0.6097
CRESTLINE	0.9202	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.8803	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.8707	Risk-Informed Inspections and Remediations and Vegetation Management	0.8707
DYSART	0.8369	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.8361	Risk-Informed Inspections and Remediations and Vegetation Management	0.8361	Risk-Informed Inspections and Remediations and Vegetation Management	0.8361
PHEASANT	0.6983	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.6967	Risk-Informed Inspections and Remediations and Vegetation Management	0.6967	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.6903
CEDAR GLEN	0.6697	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.6531	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.6206	Risk-Informed Inspections and Remediations and Vegetation Management	0.6206
PASCAL	0.6652	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.6644	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3797	Risk-Informed Inspections and Remediations and Vegetation Management	0.3797
GORGE	0.5970	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.5961	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3782	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3129
ALPINE	0.5671	Vertical Switches, Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.5271	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.5080	Long Span Initiative (LSI), Risk-Informed Inspections and Remediations and Vegetation Management	0.5079
NORTH SHORE	0.5609	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.5295	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.5227	Risk-Informed Inspections and Remediations and Vegetation Management	0.5227
CHEVELLE	0.5568	Risk-Informed Inspections and Remediations and Vegetation Management	0.5568	Risk-Informed Inspections and Remediations and Vegetation Management	0.5568	Risk-Informed Inspections and Remediations and Vegetation Management	0.5568

Circuit Name	*Jan. 1, 2023 Overall utility risk*	*Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives*	*Jan. 1, 2024 Overall utility risk*	*Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives*	*Jan. 1, 2025 Overall utility risk*	*Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives*	*Jan. 1, 2026 Overall utility risk*
TREMAINE	0.5264	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.5243	Risk-Informed Inspections and Remediations and Vegetation Management	0.5243	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.2765
RANGER	0.4923	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.4900	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.4893	Risk-Informed Inspections and Remediations and Vegetation Management	0.4893
CORINTH	0.4253	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.2934	Risk-Informed Inspections and Remediations and Vegetation Management	0.2934	Risk-Informed Inspections and Remediations and Vegetation Management	0.2934
HIGH SCHOOL	0.4200	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.4050	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3856	Risk-Informed Inspections and Remediations and Vegetation Management	0.3856
GUFFY	0.3674	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3578	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3564	Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management	0.2207
SEELEY	0.3637	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3532	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3228	Risk-Informed Inspections and Remediations and Vegetation Management	0.3228
ROTEC	0.3350	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.1939	Risk-Informed Inspections and Remediations and Vegetation Management	0.1939	Risk-Informed Inspections and Remediations and Vegetation Management	0.1939
DICE	0.3140	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.3140	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.2753	Risk-Informed Inspections and Remediations and Vegetation Management	0.2753
TATANKA	0.3107	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.3090	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.2963	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.2076
PURCHASE	0.2533	Risk-Informed Inspections and Remediations and Vegetation Management	0.2533	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.2410	Risk-Informed Inspections and Remediations and Vegetation Management	0.2410
CERRITO	0.2474	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.2455	Risk-Informed Inspections and Remediations and Vegetation Management	0.2455	Risk-Informed Inspections and Remediations and Vegetation Management	0.2455
TRIUNFO	0.2253	Long Span Initiative (LSI), Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.2237	Long Span Initiative (LSI), Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.1597	Targeted Undergrounding - Distribution, Risk-Informed Inspections and Remediations and Vegetation Management	0.1467

Circuit Name	*Jan. 1, 2023 Overall utility risk*	*Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives*	*Jan. 1, 2024 Overall utility risk*	*Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives*	*Jan. 1, 2025 Overall utility risk*	*Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives*	*Jan. 1, 2026 Overall utility risk*
ALOLA #2	0.2005	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.2002	Risk-Informed Inspections and Remediations and Vegetation Management	0.2002	Risk-Informed Inspections and Remediations and Vegetation Management	0.2002
PELONA	0.1993	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.1992	Risk-Informed Inspections and Remediations and Vegetation Management	0.1992	Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management	0.1566
WAITE	0.1899	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.1887	Risk-Informed Inspections and Remediations and Vegetation Management	0.1887	Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management	0.0948
LIMITED	0.1718	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.1707	Long Span Initiative (LSI), Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.1647	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.1409
AMETHYST	0.1689	Risk-Informed Inspections and Remediations and Vegetation Management	0.1689	Risk-Informed Inspections and Remediations and Vegetation Management	0.1689	Risk-Informed Inspections and Remediations and Vegetation Management	0.1689
TONTO	0.0954	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.0641	Risk-Informed Inspections and Remediations and Vegetation Management	0.0641	Rapid Earth Fault Current Limiters (REFCL), Risk-Informed Inspections and Remediations and Vegetation Management	0.0543
CRAWFORD	0.0893	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.0889	Risk-Informed Inspections and Remediations and Vegetation Management	0.0889	Risk-Informed Inspections and Remediations and Vegetation Management	0.0889
CALSTATE	0.0854	Risk-Informed Inspections and Remediations and Vegetation Management	0.0854	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.0838	Risk-Informed Inspections and Remediations and Vegetation Management	0.0838
ROMERO	0.0828	Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.0335	Risk-Informed Inspections and Remediations and Vegetation Management	0.0335	Risk-Informed Inspections and Remediations and Vegetation Management	0.0335
UTE	0.0729	Branch Line Fuses, Risk-Informed Inspections and Remediations and Vegetation Management	0.0720	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.0366	Long Span Initiative (LSI), Risk-Informed Inspections and Remediations and Vegetation Management	0.0363
TUNGSTEN	0.0571	Vertical Switches, Branch Line Fuses, Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.0530	Risk-Informed Inspections and Remediations and Vegetation Management	0.0530	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.0418

Circuit Name	*Jan. 1, 2023 Overall utility risk*	*Jan. 1, 2023 - Dec. 31, 2023 Mitigation Initiatives*	*Jan. 1, 2024 Overall utility risk*	*Jan. 1, 2024 - Dec. 31, 2024 Mitigation Initiatives*	*Jan. 1, 2025 Overall utility risk*	*Jan. 1, 2025 - Dec. 31, 2025 Mitigation Initiatives*	*Jan. 1, 2026 Overall utility risk*
BLACKBIRD	0.0514	Risk-Informed Inspections and Remediations and Vegetation Management	0.0514	Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.0470	Long Span Initiative (LSI), Covered Conductor, Risk-Informed Inspections and Remediations and Vegetation Management	0.0436
CHAMPION	0.0385	Risk-Informed Inspections and Remediations and Vegetation Management	0.0385	Risk-Informed Inspections and Remediations and Vegetation Management	0.0385	Risk-Informed Inspections and Remediations and Vegetation Management	0.0385

7.2.3 Interim Mitigation Initiatives

As indicated in Section 7.1.4.3, for each mitigation that will require greater than one year to implement, the electrical corporation must assess the potential need for interim mitigation initiatives to reduce risk until the primary or permanent mitigation initiative is in place. If the electrical corporation determines that an interim mitigation initiative is necessary, it must also develop and implement that initiative as appropriate.

- *The electrical corporation must provide a description of the following in this section of the WMP:*
- *The electrical corporation's procedures for evaluating the need for interim risk reduction*
- *The electrical corporation's procedures for determining which interim mitigation initiative(s) to implement*
- *The electrical corporation's characterization of each interim risk management/reduction action and evaluation of its specific capabilities to reduce risks, including:*
    - *Potential consequences of risk event(s) addressed by the improvement/mitigation*
    - *Frequency of occurrence of the risk event(s) addressed by the improvement/mitigation*

Each interim mitigation initiative planned by the electrical corporation for implementation on high-risk circuits must be listed as a mitigation initiative in Section 8. In addition, interim mitigation initiatives must be discussed in the relevant mitigation initiative sections of the WMP and included in the related target tables.

SCE's overall approach to interim mitigations is based on two considerations. The first are the known risks on the circuit segment. For example, if there are long spans at heightened risk of wire-to-wire contact or heavy trees within range of SCE's facilities. The second is the current expected timeframe for the permanent mitigations to be deployed on the system. Generally speaking, the primary mitigation initiatives that require interim mitigation strategies due to their lead times are covered conductor and undergrounding, both of which are explained further below.

SCE deploys one interim mitigation (SH-14, described below), as local conditions require, on segments that will be hardened with covered conductor.

Long Span Initiative (SH-14). This initiative installs line spacers on segments that are at heightened risk of wire-to-wire contact. SCE can implement this remediation relatively quickly, making it an effective interim mitigation option to reduce risk on overhead lines that are especially subject to this risk driver.[133] Please see Section 8.1.2.5.2 for more details on LSI.

In addition to the above interim mitigation, SCE will also implement complementary mitigations, as local conditions require, prior to the installation of covered conductor. Mitigations including asset inspections, vegetation management, and fast curve settings will mitigate contact from object, wire-to-wire contact, and equipment failure risk drivers on the circuit segment before covered conductor is installed. In some cases, based on local conditions, SCE may perform additional inspections or vegetation management inspections as part of its Areas of Concern effort, which is described in more detail in Section 8.1. However, unlike LSI, SCE will continue using these mitigations on the circuit segment after covered conductor is installed. As discussed in Section 7.1.4, they complement covered conductor by either

[133] LSI may also be installed as a long-term mitigation on wires that are not scoped for covered conductor.

addressing risk drivers that covered conductor doesn’t or has relatively lower effectiveness and by adding an extra layer of defense on risk drivers that covered conductor does address.

SCE deploys three interim mitigations on segments that will be hardened with undergrounding. These mitigations will cease in their current form after overhead lines are replaced with underground lines:

1) Long-Span Initiative (SH-14): See comments above.

2) The second interim mitigation is SCE's asset inspection portfolio (e.g., 360-degree inspections and Infrared); for more details, please see Section 7.2.3 Interim Mitigation Initiativeswhich reduces ignitions caused by overhead equipment failures.

3) SCE's vegetation management portfolio (e.g., expanded line clearing, Hazard Tree Mitigation Program, etc.); for more details, please see Section 8.2, which reduces ignitions caused by vegetation contacting overhead facilities.

SCE will also utilize, if necessary, PSPS in location that are scoped for undergrounding or covered conductor. Until such time as SCE installs covered conductor or undergrounding, SCE will utilize lower winder speed thresholds for bare-conductor isolatable segments. After installation of covered conductor or undergrounding, SCE will either raise de-energization thresholds or, in the case of where a segment and its feeder are undergrounded, not use PSPS. Further details can be found in Sections 8.1.2 and 9.

8 WILDFIRE MITIGATIONS

8.1 Grid Design, Operations, and Maintenance

8.1.1 Overview

In this section, the electrical corporation must identify objectives for the next 3- and 10-year periods, targets, and performance metrics related to the following grid design, operations, and maintenance programmatic areas:

- *Grid design and system hardening*
- *Asset inspections*
- *Equipment maintenance and repair*
- *Asset management and inspection enterprise system(s)*
- *Quality assurance / quality control*
- *Open work orders*
- *Grid operations and procedures*
- *Workforce planning*

8.1.1.1 Objectives

Each electrical corporation must summarize the objectives for its 3-year and 10-year plans for implementing and improving its grid design, operations, and maintenance.[134] These summaries must include the following:

- *Identification of which initiative(s) in the WMP the electrical corporation is implementing to achieve the stated objective, including Utility Initiative Tracking IDs*
- *Reference(s) to applicable codes, standards, and best practices/guidelines and an indication of whether the electrical corporation exceeds an applicable code, standard, or regulation*
- *Method of verifying achievement of each objective*
- *A target completion date*
- *Reference(s) to the WMP section(s) or appendix, including page numbers, where the details of the objective(s) are documented and substantiated*

This information must be provided in Table 8-1 for the 3-year plan and Table 8-2 for the 10-year plan.

The tables below are based on the examples provided in the Technical Guidelines.

[134] Annual information included in this section must align with Tables 1 and 12 of the QDR.

Table 8-1 - Grid Design, Operations, and Maintenance Objectives (3-year plan)

Objectives for Three Years (2023–2025)	Applicable Initiative(s), Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
Continue to perform targeted grid hardening to minimize impact on customers by reducing the scope and frequency of PSPS.	• WCCP (SH-1) • UG (SH-2)	• GO 95 • SCE Distribution Overhead Construction Standards (DOH) • SCE Distribution Underground Construction Standards (DUG) • GO 128	Completion of planned targeted covered conductor and/or sectionalization devices each year (which can be through work orders, GIS maps, etc.)	December 2025	Section 8.1.2, pp. 250-257
Continue to prioritize grid hardening deployment based on the IWMS Risk Framework	• WCCP (SH-1) • TUG (SH-2) • REFCL (SH-17, SH-18) • Long Span Initiative (SH-14) • Tree Attachment Remediation (SH-10) • Remote Controlled Automatic Reclosers (SH-5) • CB Relays & Fast Curve (SH-6) • Vibration Dampers (SH-16) • Fire Resistant Wrap Retrofit (8.1.2.3.2) • Vertical Switches (SH-15) • Transmission IWMS (8.1.2.12.1)	• GO 95 • GO 165 • SCE DOH • SCE DUG • GO 128 • SCE Distribution Apparatus Construction Standards (DAP) • SCE Electrical Construction Station (ECS) • SCE Electric Design Station Wiring (EDSW) • SCE Distribution Design Standards (DDS)	Measuring how much of grid hardening mitigation deployed (e.g., number of circuit miles, number of units, number of structures, etc.) is aligned with IWMS	December 2025	Sections 8.1.2, pp. 250-277, 8.1.8, pp. 331 - 342 and pp. 8.3.3, 467-492
Continue to deploy protection system mitigations and also refine circuit protection strategies to further reduce wildfire risk while balancing system reliability	• Distribution Open Phase Detection (8.1.8.1.3.3) • Transmission Open Phase Detection (SH-8) • CB Relays & Fast Curve (SH-6) • High Impedance Relay (8.1.8.1.3.1) • Branch line Protection Strategy (SH-4)	• GO 95	Validation of system updates or installations or review of pertinent outage, event, ignition, risk and/or reliability data to evaluate effectiveness.	December 2025	Sections 8.1.2, pp. 250-277, 8.1.8, pp. 331 - 342 and 8.3.3, pp. 467-492
Continue evaluation of emerging technologies to determine if any should be added to the grid hardening wildfire mitigation portfolio	• Remote Grid (8.1.2.9.1) • Spacer Cable	• GO 95	Provide report of remote grid and spacer cable that includes recommendations for plan and	December 2025	Section 8.1.2, pp. 274-275, 251-253

Objectives for Three Years (2023–2025)	Applicable Initiative(s), Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
			strategy going forward		
Perform assessments of transmission hardening options and develop potential pilots/programs (contingent upon results of assessments)	• Transmission IWMS (8.1.2.12.1) • High-risk transition spans	• GO 95 • SCE Transmission Overhead Construction Standards (TOH)	Provide report of transmission grid hardening assessment that includes recommendations for plan and strategy going forward	December 2025	Sections 8.1.2 p. 278, 8.1.3.2, pp. 289-293
Evaluate and update the inspection form regarding distribution and transmission high fire risk-informed (HFRI) inspections to reduce time required for data capture while still capturing critical information and incorporating lessons learned of potential failure modes.	• Inspections and Remediations - Distribution High Fire Risk-Informed (HFRI) Inspections and Remediations (IN-1.1) - Transmission FRI Inspections and Remediations (IN-1.2) • Inspection Work Management Tools - Inspection and Maintenance Tools (IN-8) - Asset Defect Detection using AI/ML (IN-8)	• GO 95 • GO 165 • SCE Distribution Inspection Maintenance Program (DIMP) • SCE Transmission Inspection Maintenance Program (TIMP)	Revised/new version of inspection form	December 2025	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2) Section 8.1.5, pp. 319-325 (IN-8)
Continue to align scope selection of inspection programs with the IWMS Risk Framework	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2) - Infrared Inspection of Energized Overhead Distribution Facilities and Equipment (IN-3) - Infrared Inspection, Corona Scanning, and High-Definition Imagery of Energized Overhead Transmission Facilities and Equipment (IN-4) - Generation High Fire Risk-Informed Inspections and Remediations in HFRA (IN-5)	• GO 95 • GO 165	Percent of overall risk inspected annually for each program	December 2025	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2) Section 8.1.3.5, pp. 297-299 (IN-3) Section 8.1.3.6, pp. 300-302 (IN-4) Section 8.1.3.7, pp. 303-304 (IN-5)

Objectives for Three Years (2023–2025)	Applicable Initiative(s), Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
Develop and implement risk-prioritized remediations to reduce backlog of asset notifications	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2)	• GO 95 • GO 165	Number of past due notifications and associated risk of those notifications	December 2025	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2)

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation and substantiation.

Table 8-02 - Grid Design, Operations, and Maintenance Objectives (10-year plan)

Objectives for Ten Years (2026–2032)	Applicable Initiative(s), Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
Complete all proactive wildfire mitigation grid hardening.	• WCCP (SH-1) • Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2)	• GO 95 • Rule 22.8 • GO 128 • GO 165 • SCE DOH • SCE DUG	All IWMS areas identified have been hardened with the appropriate mitigation based on all factors considered (e.g., feasibility)	December 2032	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2)
Obtain and implement more programmatic permitting that allows more streamlined execution of grid hardening work	• WCCP (SH-1) • TUG (SH-2) • Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2)	• GO 95 • GO 165	Programmatic permit documents that were executed	2026-2028	Section 5.4.5 - Environmental Compliance and Permitting, pp. 83-88
Scale any new successful emergent technologies to supplement existing foundational grid hardening mitigations	• Hi-impedance relays (Hi-Z) (8.1.8.1.3.1) • Distribution Open Phase Detection (DOPD) (8.1.8.1.3.3) • Remote grid (8.1.2.9.1) • Transmission Open Phase Detection (TOPD) (SH-8)	GO 95	Alignment between work being performed and output/ recommendations from technologies and pilots	December 2032	Section 8.1.8.1.3, p. 334, p. 335, p. 337 Section 8.1.2.9.1, p. 274-275
If feasible and applicable, implement programs/pilots resulting from integrated transmission hardening strategy development and analysis	• Transmission IWMS (8.1.2.12.1) • High-risk transition spans	• GO 95 • SCE TOH	Alignment between work being performed and output/recommendations from transmission IWMS assessment	December 2032	Section 8.1.3.2, pp. 289-293 (IN-1.2), Section 8.1.2.12, p. 278
Integrate AI/ML analytical tools into inspection image data	• Inspections and Remediations	• GO 95	Number of AI/ML image	Decemb	Section

Objectives for Ten Years (2026–2032)	Applicable Initiative(s), Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
analysis to identify assets and defects	- Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2) - High Risk Transition Spans • Inspection Work Management Tools - Inspection and Maintenance Tools (IN-8) - Asset Defect Detection using AI/ML (IN-8)	• GO 165	models deployed	er 2032	8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2) Section 8.1.3.5, pp. 297-299 (IN-3)
Integrate new technological tools into data collection for asset inspections (e.g., LiDAR) to identify defects (e.g., clearance issues) that need remediation	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2) - High Risk Transition Spans • Inspection Work Management Tools - Inspection and Maintenance Tools (IN-8) - Asset Defect Detection using AI/ML (IN-8)	• GO 95 • GO 165	Number of assets inspected using new technological tools	Decemb er 2032	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2) Section 8.1.5, pp. 319-325 (IN-8)
Maintain backlog at minimum levels and with as little fire risk as possible	• Inspections and Remediations - Distribution HFRI Inspections and Remediations (IN-1.1) - Transmission HFRI Inspections and Remediations (IN-1.2)	• GO 95 • GO 165	Number of past due notifications and associated risk of those notifications	Decemb er 2032	Section 8.1.3.1, pp. 282-289 (IN-1.1) Section 8.1.3.2, pp. 289-293 (IN-1.2)

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

8.1.1.2 Targets

Initiative targets are forward-looking quantifiable measurements of activities identified by each electrical corporation in its WMP. Electrical corporations will show progress toward completing targets in subsequent reports, including QDRs and WMP Updates.

The electrical corporation must list all targets it will use to track progress on its grid design, operations, and maintenance for the three years of the Base WMP. Energy Safety's Compliance Assurance Division and third parties must be able to track and audit each target.[135] *For each initiative target, the electrical corporation must provide the following:*

- *Utility Initiative Tracking IDs.*
- *Projected targets for each of the three years of the Base WMP and relevant units.*
- *Quarterly, rolling targets for 2023 and 2024 (inspections only).*
- *The expected "x% risk impact" for each of the three years of the Base WMP. The expected x% risk impact is the expected percentage risk reduction per year, as described in Section 7.2.2.2.*
- *Method of verifying target completion.*

The electrical corporation's targets must provide enough detail to effectively inform efforts to improve the performance of the electrical corporation's grid design, operations, and maintenance initiatives.

The tables below are based on the examples provided in the Technical Guidelines.

In Table 8-3 below, SCE provides the expected risk impact for each initiative at the scoping unit level and at the HFRA-level. As such, a given mitigation might appear to have a relatively smaller impact at the HFRA-level due to a limited scope of deployment, but a much larger impact at the segment or structure level. The risk impact percentages are in MARS and as discussed in Sections 6 and 7, SCE's IWMS Risk Framework takes into account additional factors not considered by MARS. SCE includes additional columns in the table below showing the percentage of an initiative's scope that is in Severe Risk Area (SRA) and High Consequence Areas (HCA).[136]

[135] Annual information included in this section must align with Table 1 of the QDR.

[136] Percentages include adjustments resulting from detailed scope assessments pursuant to IWMS Framework.

Table 8-3 - Grid Design, Operations, and Maintenance Targets by Year

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023 (Unit /HFRA)	% in SRA/HCA 2023	2024 Target & Unit	x% Risk Impact 2024 (Unit /HFRA)	% in SRA/HCA 2024	2025 Target & Unit	x% Risk Impact 2025 (Unit /HFRA)	% in SRA/HCA 2025	Method of Verification
Covered Conductor	SH-1	Install **1,100** circuit miles of covered conductor in SCE's HFRA SCE will strive to install up to as many as **1,200** circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks	51% / 20%	91%	Install **1,050** circuit miles of covered conductor in SCE's HFRA SCE will strive to install up to as many as **1,200** circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks	53%/6%	91%	Install **500** circuit miles of covered conductor in SCE's HFRA SCE will strive to install up to as many as **600** circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks	49.8%/1.5%	80%	Listing of completed Work Orders
Undergrounding Overhead Conductor	SH-2	Convert **11** circuit miles of overhead to underground in SCE's HFRA	98%/.22%	100%	Convert **16** circuit miles of overhead to underground in SCE's HFRA SCE will strive to convert up to **20** miles of overhead to underground in SCE's HFRA, subject to resource constraints and other execution risks	98%/.64%	100%	Convert **30** circuit miles of overhead to underground in SCE's HFRA SCE will strive to convert up to **60** miles of overhead to underground in SCE's HFRA, subject to resource constraints and other execution risks	98%/.9%	100%	Listing of completed Work Orders
Branch Line Protection strategy	SH-4	Install or replace fusing at **500** fuse locations that serve HFRA circuitry SCE will strive to install or replace fusing at up to **570** locations that serve HFRA circuitry, subject to resource constraints and other execution risks	7%/.31%	97%	N/A – Sunsetting in 2023, further fuse replacements will be completed via opportunity work	N/A	N/A	N/A – Sunsetting in 2023, further fuse replacements will be completed via opportunity work	N/A	N/A	Listing of completed Work Orders

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023 (Unit /HFRA)	% in SRA/HCA 2023	2024 Target & Unit	x% Risk Impact 2024 (Unit /HFRA)	% in SRA/HCA 2024	2025 Target & Unit	x% Risk Impact 2025 (Unit /HFRA)	% in SRA/HCA 2025	Method of Verification
Remote Controlled Automatic Reclosers Settings Update	SH-5	SCE will install **6** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis and subject to change SCE will strive to install up to **17** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis, resource constraints and other execution risks	29%/.04%	7%	SCE will install **5** RAR/RCS sectionalizing devices subject to 2023 PSPS analysis and subject to change SCE will strive to install **17** RAR/RCS sectionalizing devices subject to 2023 PSPS analysis, resource constraints and other execution risks	34%/.24%	67%	SCE will install **5** RAR/RCS sectionalizing devices subject to 2024 PSPS analysis and subject to change SCE will strive to install **17** RAR/RCS sectionalizing devices subject to 2024 PSPS analysis, resource constraints and other execution risks	33%/.19%	95%	Listing of completed Work Orders
Circuit Breaker Relay Hardware for Fast Curve	SH-6	Replace/upgrade **75** CB relay units with fast curve settings in SCE's HFRA SCE will strive to replace/upgrade up to **88** relay units with fast curve settings in SCE's HFRA, subject to resource constraints and other execution risks	32%/.15%	95%	Replace/ upgrade remaining **10** CB relay units with fast curve settings in SCE's HFRA, subject to resource constraints and other execution risks	32%/.004%	92%	N/A - Activity Sunsetting in 2024	N/A	N/A	Listing of completed Work Orders
Trans-mission Open Phase Detection	SH-8	Install TOPD at **5** locations that serve HFRA circuitry with both alarm and trip functionality	1%/.01%	100%	Retrofit TOPD at **5** locations with trip capabilities where alarm mode was previously deployed and that serve HFRA circuitry	1%/.01%	100%	Target to be determined based on further evaluation	N/A	N/A	Listing of completed Work Orders

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023 (Unit /HFRA)	% in SRA/HCA 2023	2024 Target & Unit	x% Risk Impact 2024 (Unit /HFRA)	% in SRA/HCA 2024	2025 Target & Unit	x% Risk Impact 2025 (Unit /HFRA)	% in SRA/HCA 2025	Method of Verification
Tree Attach-ments Remediation	SH-10	Remediate **400** tree attachments in SCE's HFRA SCE will strive to complete up to **500** tree attachment remediations in SCE's HFRA, subject to resource constraints and other execution risks	21%/.02%	42%	Remediate **500** tree attachments in SCE's HFRA SCE will strive to complete up to **600** tree attachment remediations in SCE's HFRA, subject to resource constraints and other execution risks	21%/.03%	42%	Remediate the balance of tree attachments in SCE's HFRA, subject to change based on scope completed in previous years	22%/.03%	52%	Listing of completed Work Orders
Long Span Initiative (LSI)	SH-14	Remediate **400** spans in SCE's HFRA SCE will strive to remediate up to **500** spans in SCE's HFRA, subject to resource constraints and other execution risks	5%/.01%	92%	Remediate **1,000** spans in SCE's HFRA SCE will strive to remediate up to **1,200** spans in SCE's HFRA, subject to resource constraints and other execution risks	5%/.04%	82%	Remediate **1,000** spans in SCE's HFRA SCE will strive to remediate up to **1,200** spans in SCE's HFRA, subject to resource constraints and other execution risks	4%/.02%	98%	Listing of completed Work Orders
Vertical Switches	SH-15	Install **9** vertical switches in SCE's HFRA SCE will **strive** to install **11** vertical switches in SCE's HFRA, subject to resource constraints and other execution risks	44%/.01%	67%	N/A – Sunsetting in 2023	N/A	N/A	N/A – Sunsetting in 2023	N/A	N/A	Listing of completed Work Orders

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023 (Unit /HFRA)	% in SRA/HCA 2023	2024 Target & Unit	x% Risk Impact 2024 (Unit /HFRA)	% in SRA/HCA 2024	2025 Target & Unit	x% Risk Impact 2025 (Unit /HFRA)	% in SRA/HCA 2025	Method of Verification
Vibration Damper Retrofit	SH-16	Retrofit vibration dampers on **300** structures where covered conductor is already installed in SCE's HFRA SCE will strive to retrofit vibration dampers on up to **400** structures where covered conductor is already installed in SCE's HFRA, subject to resource constraints and other execution risks	19%/.04%	100%	Retrofit vibration dampers on **500** structures where covered conductor is already installed in SCE's HFRA SCE will strive to retrofit vibration dampers on up to **600** structures where covered conductor is already installed in SCE's HFRA, subject to resource constraints and other execution risks	11%/.01%	99%	Retrofit vibration dampers on **600** structures where covered conductor is already installed in SCE's HFRA SCE will strive to retrofit vibration dampers on up to **800** structures where covered conductor is already installed in SCE's HFRA, subject to resource constraints and other execution risks	20%/.09%	100%	Listing of completed Work Orders
Rapid Earth Fault Current Limiters (REFCL) (Ground Fault Neutralizer (GFN))	SH-17	SCE will complete construction of GFN at **two** substations (Acton and Phelan)	47%/3.6%	94%	SCE will complete construction of GFN at **one** substation (Banducci)	45%/.54%	88%	SCE will complete construction of GFN at **two** substations SCE will strive to complete construction of GFN at **four** substations	49%/1.8%	89%	Listing of completed Work Orders
Rapid Earth Fault Current Limiters (REFCL) - Grounding Conversion	SH-18	SCE will complete grounding conversion at **one** location, subject to land availability.	45%/.06%	91%	SCE will target **four** locations for grounding conversion, subject to land availability SCE will strive to target up to **6** locations for grounding conversion, subject to land availability	N/A scope not determined yet	N/A scope not determined yet	SCE will target **four** locations for grounding conversion, subject to land availability SCE will strive to target up to **6** locations for grounding conversion, subject to land availability	N/A scope not determined yet	N/A scope not determined yet	Listing of completed Work Orders

The risk impact percentages shown in Table 8-4 are based on the cumulative MARS scores of the structures SCE expects to inspect for each initiative annually, divided by the cumulative MARS scores for all structures of that type in HFRA. SCE also provides the percentage of an initiative's inspection scope that is in Severe Risk and High Consequence areas.

Table 8-4 - Asset Inspections Targets by Year

Initiative Activity	Tracking ID	Target End of Q2 2023 & Unit	Target End of Q3 2023 & Unit	End of Year Target 2023 & Unit	x% Risk Impact 2023	% in SRA/HC 2023	Target End of Q2 2024 & Unit	Target End of Q3 2024 & Unit	End of Year Target 2024 & Unit	x% Risk Impact 2024	% in SRA/HC 2023	Target 2025 & Unit	x% Risk Impact 2025	% in SRA/ HC 2025	Method of Verification
Distribution High Fire Risk-Informed (HFRI) Inspections and Remediations (Ground and Aerial)	IN-1.1	101,320	172,640	Inspect **187,000** structures in HFRA SCE will strive to inspect up to **217,000** structures in HFRA This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs)	90%	94%	101,320	172,640	Inspect **187,000** structures in HFRA SCE will strive to inspect up to **217,000** structures in HFRA This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs)	90%	94%	Inspect **187,000** structures in HFRA Q2 Target: 101,000 Q3 Target: 172,000 SCE will strive to inspect up to **217,000** structures in HFRA This target includes HFRI inspections, compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOCs)	90%	94%	Listing of completed Work Orders
Transmission High Fire Risk-Informed (HFRI) Inspections and Remediations (Ground and Aerial)	IN-1.2	14,400	25,800	Inspect **28,000** structures in HFRA SCE will strive to inspect up to **29,500** structures in HFRA This target includes HFRI inspections, compliance due structures in HFRA	88% (Ground) 88% (Aerial)	86%	14,400	25,800	Inspect **28,000** structures in HFRA SCE will strive to inspect up to **29,500** structures in HFRA This target includes HFRI inspections,	88% (Ground) 88 % (Aerial)	86%	Inspect **24,500** structures in HFRA Q2 Target: 14,000 Q3 Target: 22,500 SCE will strive to inspect up to **29,500** structures in HFRA. This target includes HFRI inspections, compliance due structures in HFRA	88% (Ground) 88 % (Aerial)	86%	Listing of completed Work Orders

Initiative Activity	Tracking ID	Target End of Q2 2023 & Unit	Target End of Q3 2023 & Unit	End of Year Target 2023 & Unit	x% Risk Impact 2023	% in SRA/HC 2023	Target End of Q2 2024 & Unit	Target End of Q3 2024 & Unit	End of Year Target 2024 & Unit	x% Risk Impact 2024	% in SRA/HC 2023	Target 2025 & Unit	x% Risk Impact 2025	% in SRA/ HC 2025	Method of Verification
				and emergent risks identified during the fire season (e.g., AOC)					compliance due structures in HFRA and emergent risks identified during the fire season (e.g., AOC)			and emergent risks identified during the fire season (e.g., AOC)			
Infrared Inspection of Energized Overhead Distribution Facilities and Equipment	IN-3	2,295	5,300	Inspect **5,300** distribution overhead circuit miles in HFRA	60%	77%	2,295	5,300	Inspect **5,300** distribution overhead circuit miles in HFRA	63%	77%	Inspect **5,300** distribution overhead circuit miles in HFRA Q2 Target: 2,000 Q3 Target: 5,300	60%	77%	Listing of completed Work Orders
Infrared Inspection, Corona Scanning, and High-Definition Imagery of Energized Overhead Transmission Facilities and Equipment	IN-4	600	900	Inspect **1,000** transmission overhead circuit miles in HFRA	72%	81%	600	900	Inspect 1,000 transmission overhead circuit miles in HFRA	50%	80%	Inspect 1,000 transmission overhead circuit miles in HFRA Q2 Target: 600 Q3 Target: 900	59%	81%	Listing of completed Work Orders
Generation High Fire Risk-Informed Inspections and Remediation	IN-5	55	170	Inspect **170** generation related assets in HFRA SCE will strive to inspect **200** generation related assets in HFRA,	17%	N/A	52	160	Inspect **160** generation related assets in HFRA SCE will strive to inspect **190** generation related assets in HFRA, subject to	29%	N/A	Inspect **170** generation related assets in HFRA SCE will strive to inspect **200** generation related assets in HFRA, subject to resource	14%	N/A	Listing of completed Work Orders

Initiative Activity	Tracking ID	Target End of Q2 2023 & Unit	Target End of Q3 2023 & Unit	End of Year Target 2023 & Unit	x% Risk Impact 2023	% in SRA/HC 2023	Target End of Q2 2024 & Unit	Target End of Q3 2024 & Unit	End of Year Target 2024 & Unit	x% Risk Impact 2024	% in SRA/HC 2023	Target 2025 & Unit	x% Risk Impact 2025	% in SRA/ HC 2025	Method of Verification
s in HFRA				subject to resource constraints and other execution risks					resource constraints and other execution risks			constraints and other execution risks Q2 Target: 55 Q3 Target: 170			
Inspection and Maintenance Tools	IN-8	Develop use cases to use in build of proof of concept (POC) to prove out design direction	Develop POC of key design elements to validate design direction	Complete detailed design to migrate the distribution ground inspection application to the single digital platform	N/A	N/A	Conduct requirements gathering for incorporating distribution ground and InspectCam capabilities in single digital platform	Initiate solution analysis for incorporating distribution ground and InspectCam capabilities in single digital platform	Execute the approved designs / recommendations for incorporating distribution ground and InspectCam capabilities into single digital platform	N/A	N/A	Monitor utilization of inspection work management tool, and make enhancements as necessary Q2 & Q3 targets the same as year-end target	N/A	N/A	Completed user acceptance testing, screenshots of tool enhancements
Transmission Conductor & Splice Assessment: Spans with LineVue	IN-9a	30	45	Will inspect **50** spans with Line Vue SCE will strive to inspect up to **75** spans with Line Vue, subject to resource constraints and other execution risks	0.0012%	100%	N/A	N/A	Target to be developed based on an engineering analysis to be performed in 2023	N/A	N/A	N/A	N/A	N/A	N/A
Transmission Conductor & Splice Assessment:	IN-9b	30	45	Will inspect **50** splices with X-Ray SCE will strive to inspect up to **75**	.03%	100%	N/A	N/A	Target to be developed based on a engineering analysis to be performed in 2023	N/A	N/A	Target to be developed based on an engineering analysis to be performed in 2023	N/A	N/A	Listing of completed Work Orders

Initiative Activity	Tracking ID	Target End of Q2 2023 & Unit	Target End of Q3 2023 & Unit	End of Year Target 2023 & Unit	x% Risk Impact 2023	% in SRA/HC 2023	Target End of Q2 2024 & Unit	Target End of Q3 2024 & Unit	End of Year Target 2024 & Unit	x% Risk Impact 2024	% in SRA/HC 2023	Target 2025 & Unit	x% Risk Impact 2025	% in SRA/ HC 2025	Method of Verification
Splices with X-Ray				splices with X-Ray, subject to resource constraints and other execution risks								and 2024			
Wildfire Safety Data Mart and Data Management (WiSDM / Ezy)	DG-1	WiSDM: Execute parallel run of QDR reporting Ezy: Completed solution analysis for LIDAR data management in support of Veg Mgmt and asset inspection	WiSDM: Execute final validation of semi-automated QDR reporting Ezy: Complete Migration of legacy LIDAR data to Google Cloud Platform (GCP)	WiSDM: Enable semi-automated data aggregation and validations of Wildfire Data for SCE's Quarterly Data Request (QDR) submission and external portal for external data sharing Ezy: Enable LIDAR data management	N/A	N/A	N/A	N/A	N/A – Sunsetting in 2023	N/A	N/A	N/A – Sunsetting in 2023	N/A	N/A	WiSDM: WiSDM-generated QDR Ezy: Screenshots of tool by use case

8.1.1.3 Performance Metrics Identified by the Electrical Corporation

Performance metrics indicate the extent to which an electrical corporation's Wildfire Mitigation

Plan is driving performance outcomes. The electrical corporation must:

- *List the performance metrics the electrical corporation uses to evaluate the effectiveness of its grid design, operations, and maintenance in reducing wildfire and PSPS risk*[137]

For each of these performance metrics listed, the electrical corporation must:

- *Report the electrical corporation's performance since 2020 (if previously collected)*
- *Project performance for 2023-2025*
- *List method of verification*

The electrical corporation must ensure that each metric's name and values are the same in its WMP reporting as its QDR reporting (specifically, QDR Table 2 and QDR Table 3). Metrics listed in this section that are the same as performance metrics required by Energy Safety and reported in QDR Table 2 (Performance Metrics)[138] *must match those reported in QDR Table 2. Metrics listed in this section that are not the same as any of the performance metrics identified by Energy Safety and reported in QDR Table 2 must match those reported in QDR Table 3.*

The electrical corporation must:

- *Summarize its self-identified performance metrics in tabular form*
- *Provide a brief narrative that explains trends in the metrics*

Metrics and underlying data are critical components for WMP development, execution, and evaluation, but we continue to emphasize that the near-term focus should be on efficient implementation of our planned activities, while the assessment of whether the activities are having the desired and expected impact on risk reduction should be measured over a longer time horizon. A clear distinction is necessary between targets that monitor compliance with approved WMPs and metrics that evaluate effectiveness of these approved plans and inform future WMP updates.

As in prior WMP submissions, we provide annual initiative targets (such as those provided in Table 8-3) for each WMP initiative which establish goals to evaluate compliance. As stated in previous filings and submittals, tracking initiative targets for approved WMPs is the best means of determining progress and assessing WMP compliance in the near-term.

SCE has identified several performance metrics in Table 3-1 of its Quarterly Wildfire Mitigation Data Tables which may be helpful to inform evaluation of the performance of SCE's wildfire mitigation portfolio. SCE identified metrics because WMP activities are ultimately designed to reduce wildfire ignitions associated with its electrical infrastructure and reduce the impact of PSPS de-energization events to customers.

[137] There may be overlap between the performance metrics the electrical corporation uses and performance metrics required by Energy Safety. The electrical corporation must list these overlapping metrics in this section in addition to any unique performance metrics it uses.

[138] The performance metrics identified by Energy Safety are included in Energy Safety's Data Guidelines.

Importantly, these metrics are within the reasonable control of utilities when appropriately normalized for weather and other exogenous factors. Other metrics such as safety incidents, acres burned or structures destroyed, though important to understand, track, and monitor are impacted by events and circumstances largely outside of the utility's control such as climate change, droughts, fire suppression efforts and fire response.

In Table 8-5, SCE provides a listing of performance metrics that may be helpful to inform the effectiveness of SCE's grid design, operations, and maintenance activities. Because several of the performance metrics identified in QDR Table 3 are impacted by mitigations across several WMP categories, SCE repeats the inclusion of performance metrics in multiple WMP Category tables where applicable. SCE notes that projections provided for its performance metrics are estimates only and subject to change. SCE describes each metric in more detail below.

Table 8-5 - Grid Design, Operations, and Maintenance Performance Metrics Results by Year

Performance Metrics	2020	2021	2022	2023 Projected	2024 Projected	2025 Projected	Method of Verification (e.g., third-party evaluation, QDR)
Number of CPUC reportable ignitions in HFRA	50	48	40	39	38	37	QDR, Tables 2 and 3
Number of wire downs in HFRA	379	468	316	361	360	361	QDR, Tables 2 and 3
Number of outages in HFRA	2,824	2,356	2,404	2,018	1,946	1,892	QDR, Tables 2 and 3
Number of asset management ignition risk-related work orders that are past due (excluding GO95 exceptions)	3,423	3,951	4,607	4,021	4,021	4,021	QDR, Table 3
Frequency of PSPS Events (total)[139]	10	8	3	7	7	7	QDR, Tables 3 and 10
Scope of PSPS Events (total)[140]	424	232	13	210	197	185	QDR, Tables 3 and 10
Duration of PSPS events (total)[141]	4,455,936	3,700,254	112,274	2,508,101	2,282,372	2,076,958	QDR, Tables 3 and 10
Number of customers impacted by PSPS[142]	229,800	179,502	15,784	120,441	102,375	87,019	QDR, Tables 3 and 10

Number of CPUC Reportable Ignitions in HFRA, Wire Downs in HFRA, and Outages in HFRA: SCE is monitoring the number of ignitions and wire-down events at the structure level and by key driver (CFO, EFF, and other). SCE's wildfire mitigations help to reduce wire downs and outages which can lead to ignitions, and also can reduce the likelihood that an ignition occurs as the result of an outage. By observing the key drivers of these events down to the circuit or individual structure level, SCE is building the capability to better evaluate the effectiveness of wildfire activities that were deployed to mitigate those specific drivers, as well as help align future deployment of mitigations to targeting specific drivers identified at those locations. Large variations in weather events, including temperature, rainfall, fuel moisture and wind, can heavily impact performance metrics including outages, wire-down events and ignitions, and can often skew direct comparisons of these metrics year over year. At this time, SCE does not incorporate weather normalization into its WMP ignition forecasts due to the complexity of determining the causal relationship between aberrant weather and ignition probability and fire spread. SCE discusses the trends for each metric below:

- CPUC Reportable Ignitions in HFRA: In 2022, HFRA ignitions decreased by 20% and 17% since 2020 and 2021, respectively. The decrease is primarily due to a decrease in CFO caused ignitions, which aligns with the mitigations central to SCE's IWMS, namely covered conductor. SCE projects a decline in CPUC reportable ignitions in HFRA over the WMP period.
- Wire Downs in HFRA: Overall the number of wired down events year over year, there has not been a trend identified. However, specific sub-drivers such as conductor failure, splice failures and crossarm failures have declined year over year, which aligns with SCE's deployment of covered conductor. Moreover, circuits that are fully covered per mile compared to bare circuits, see a reduction of over 60% in wire downs for drivers that CC is expected to mitigate.
- Outages in HFRA: In 2022 Outages in HFRA decreased from 2020 and are consistent with 2021 values. While some drivers do not have a trend, the following drivers all have decreased year over year: vegetation and animal caused outages. Additionally, vehicle caused outages have increased year over year since 2020. SCE projects a decline in outages in HFRA over the WMP period.

Number of asset management ignition risk-related work orders that are past due (excluding GO95 exceptions): This metric tracks the number of past due notifications (work orders) identified through SCE's transmission and distribution inspection programs that present a potential ignition risk in HFRA. To focus on those past due notifications that are largely within our control, SCE removes notifications that have GO 95 exceptions due to permitting constraints, third party refusal, customer access issues, etc. SCE has seen an increase in the number of asset management work orders as more inspections were completed (i.e., distribution ground inspections) which resulted in more findings and open work orders needing to be completed. As noted in ACI

[139] Frequency of PSPS Events definition: Number of instances where utility operating protocol requires de-energization of a circuit or portion thereof to reduce ignition probability, per year. Only include events in which de-energization ultimately occurred
[140] Scope of PSPS Events definition: Circuit-events, measured in number of events multiplied by number of circuits de-energized per year.
[141] Duration of PSPS events definition: Customer hours per year.
[142] Number of customers impacted by PSPS definition: Number of customers impacted by PSPS (if multiple PSPS events impact the same customer, count each event as a separate customer).

SCE-22-15 Targets Relating to Addressing Inspection Findings within Appendix D: Areas for Continued Improvement of this WMP and Section 8.1.7, SCE is working to mitigate the backlog. The current projection for future years is flat as SCE has seen an increase in repair work from inspections driven by changes to the inspection form and an increase in the number of inspections, which may offset the steps being taken to address the backlog.

Frequency of PSPS (Total), Scope of PSPS (Total), Duration of PSPS (Total), Number of Customers Impacted by PSPS (Total): Please see Section 9 – PSPS – for a full explanation of these metrics and corresponding trends. SCE includes these PSPS performance metrics in this Section due to our efforts to reduce the frequency, scope, and duration of PSPS events through accelerated grid hardening of circuits impacted by PSPS. For example, an isolatable circuit segment with covered conductor installed can have its PSPS de-energization wind speed thresholds raised to higher wind speeds levels.

8.1.2 Grid Design and System Hardening

In this section the electrical corporation must discuss how it is designing its system to reduce ignition risk and what it is doing to strengthen its distribution, transmission, and substation infrastructure to reduce the risk of utility-related ignitions resulting in catastrophic wildfires.

The electrical corporation is required, at a minimum, to discuss grid design and system hardening for each of the following mitigation activities:

1. *Covered conductor installation*
2. *Undergrounding of electric lines and/or equipment*
3. *Distribution pole replacements and reinforcements*
4. *Transmission pole/tower replacements and reinforcements*
5. *Traditional overhead hardening*
6. *Emerging grid hardening technology installations and pilots*
7. *Microgrids*
8. *Installation of system automation equipment*
9. *Line removal (in the HFTD)*
10. *Other grid topology improvements to minimize risk of ignitions*
11. *Other grid topology improvements to mitigate or reduce PSPS events*
12. *Other technologies and systems not listed above*

In Sections 8.1.2.1 through 8.1.2.12, the electrical corporation must provide a narrative including the following information for each grid design and system hardening mitigation activity:

- *Utility Initiative Tracking ID.*
- *Overview of the activity: A brief description of the activity including reference to related objectives and targets. Additionally, the overview must identify whether the activity is a program, project, pilot, or study.*
- *Impact of the activity on wildfire risk.*
- *Impact of the activity on PSPS risk.*
- *Updates to the activity: Changes to the initiative since the last WMP submission and a brief explanation as to why those change were made. Discuss any planned improvements or updates to the activity and the timeline for implementation*

8.1.2.1 Covered Conductor Installation

8.1.2.1.1 Covered Conductor

Utility Initiative Tracking ID: SH-1

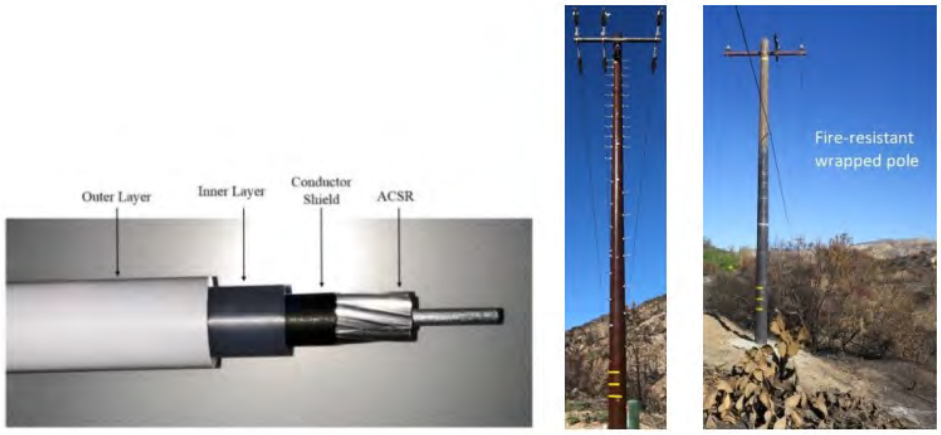
Overview of activity: The Wildfire Covered Conductor Program (WCCP) is a program in HFRA to replace existing bare wire with covered conductor (CC) along with other associated components such as fire-resistant poles, composite crossarms, FR3 transformers[143], wildlife covers, surge arresters, polymer insulators and vibration dampers, and is scoped based on the risk assessment and mitigation selection processes described in Sections 6 and 7.

Covered conductor refers to a conductor with an internal semiconducting layer and external insulating UV-resistant layers to protect against the arcing, faults, or energy release that can come from incidental contact.

It is SCE's engineering standard to install covered conductor in HFRA any time bare wire needs to be replaced. Examples of this include during post-fire restoration work (outside of the WCCP) and other non-WCCP programmatic work, e.g., through the Overhead Conductor Program (OCP), where bare wires are replaced. SCE tracks and reports the installation of covered conductor under both WCCP and non-WCCP.

SCE installs composite poles or fire-resistant wrapped wood poles (together known as Fire-Resistant Poles or FRPs) during the implementation of WCCP when pole loading requirements require a replacement of a pole. FRPs provide the benefit to withstand a fire and maintain system resiliency and shorten the service restoration time. FRPs that are composite provide the additional benefit of minimizing ignitions from equipment at the top of pole (and thus used for poles with equipment on top or in an area with environmental or wildlife factors such as woodpeckers). Figure SCE 8-01 shows the physical layers of covered conductor, as well as illustrations of a fire-resistant composite pole and a fire-resistant wrapped wood pole.

Figure SCE 8-01 - Cross Section of Covered Conductor (left) Fire-Resistant Composite Pole (middle) and Fire-Resistance Wrapped Wood Pole (Right)



[143] A FR3 transformer contains plant-based oil instead of petroleum-based oil and can withstand higher temperatures before igniting, reducing the chances of the transformer fluid adding fuel to a fire.

SCE has continued to install CC per the previous filing, and is targeting 1,100, 1,050 and 500 miles in years 2023, 2024 and 2025, respectively. SCE will strive to install 1,200 miles in years 2023 and 2024 and 600 miles in 2025.

Impact of activity on wildfire risk: Installation of covered conductor and other associated components such as fire-resistant poles, composite crossarms, FR3 transformers, wildlife covers, and vibration dampers serve as preventative measures against several wildfire risks. It is effective at reducing the ignition drivers associated with contact-from-object (CFO) such as animal or vegetation contact and wire-to-wire faults. It is also effective at reducing ignition drivers associated with equipment or facility failures. In the case of an energized downed wire, covered conductor reduces the area of exposed base wire, thus reducing the likelihood of ignition and serious injury or fatality compared to contact with bare conductor.

SCE has realized significant benefits from covered conductor deployment. On circuits where the overhead primary is all covered conductor, SCE has observed a 71% reduction of faults covered conductor is expected to mitigate compared to bare wire.[144] Zero ignitions have occurred where cover conductor is deployed from drivers covered conductor is expected to mitigate. [145]

Installing FRPs, such as composite poles, helps prevent ignitions at the top of the pole. Also, burned and/or fallen poles can cause other equipment on the pole to fail, making service restoration after a fire more difficult. FRPs can withstand a fire and maintain system resiliency and shorten the service restoration time.

Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire risk.

Impact of activity on PSPS risk: Covered conductor reduces PSPS risks by decreasing the likelihood of de-energization due to higher real-time de-energization windspeed thresholds for fully covered isolatable circuit segments.

SCE has determined that lines with covered conductor have a 90% reduction in PSPS activations.[146] When a circuit (or fully isolatable circuit segment) is all covered conductor, the de-energization threshold is increased to 40/58 mph (sustained wind/gusts).

Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts PSPS risk.

Updates to the activity: In 2022, SCE updated its covered conductor standard to include the replacement of open wire secondary or weather-resistant aluminum (OWS or WAL) with multiplex secondary conductors. Weather-resistant aluminum wire on the secondary system is outdated technology and will be updated to the new standard when WCCP is installed.

All OWS and WAL secondary lines that share the same line path or are attached to the same targeted primary structure shall be upgraded to multiplex conductors (see Figure SCE 8-02 below). Multiplex conductors are fully insulated secondary conductors that can help mitigate contact-related faults and

[144] Measurement of CC effectiveness began in 2018.
[145] As of year-end 2022.
[146] Based on PSPS control thresholds for bare and CC circuit using weather data from 2011 to 2021.

associated ignitions.

SCE addressed these issues by updating the inspection forms and covering bare connectors with tape. In 2022, the main driver of secondary ignitions was Equipment/Facility Failure in approximately 70% of cases, followed by CFO in approximately 15% of cases. SCE estimates a small portion of its secondary system (10%) is still bare open wire and weather resistant aluminum which are outdated technology. SCE plans to replace these in the coming years.[147]

Figure SCE 8-02 - Outdated Secondary Conductor (Left) and In-Standard Secondary Conductor (Right)

As described in the ACI SCE-22-17 Address Secondary Conductor Issues in Appendix D: Areas for Continued Improvement, SCE describes results of analysis on secondary ignition events from 2019-2022[148] in SCE's HFRA. SCE observes an increasing trend in the number of secondary ignition events in 2020 and 2021, where the main drivers are CFO and EFF.

Open wire secondaries and weather-resistant aluminum conductors can pose an ignition risk because they are vulnerable to contact-from-object faults. Upgrading OWS and WAL conductors to multiplex conductors (duplex, triplex, or quadraplex), which are a bundle of conductors twisted around each other (see picture of the multiplex conductor on the right of Figure SCE 8-02 above) will help mitigate ignition events. Since multiplex conductors are covered and bundled together, they can withstand CFO much better than the bare open wire or single conductor can.

This standard update will only affect WCCP installations starting in 2024, and not planned WCCP work for 2022 and 2023, as work for these years is already in the design or construction phase. As described in ACI SCE-22-17 Address Secondary Conductor Issues in Appendix D: Areas for Continued Improvement, SCE has enhanced vegetation management and inspection measures to address the risk of secondaries until they can be remediated. Upgrading secondaries to multiplex conductors and covering bare connectors with tape can mitigate ignition events associated with secondaries.

In 2022 SCE initiated a spacer cable pilot to examine how covered conductor is supported by a high strength messenger through diamond shaped spacers instead of the traditional open crossarm arrangement. The pilot encompassed six spans or about 800 feet of covered conductor. SCE will continue to evaluate the viability of this type of installation as possibly another solution in mitigating

[147] There are approximately 0.3 miles of secondary conductor for every mile of primary conductor in HFRA. SCE estimates that approximately 10% of the secondary conductor requires replacement, with an estimated 7% of secondary spans being weather-resistant aluminum and 3% being bare open wire.

[148] Partial year data was collected for 2019 and 2020 was the first year with a full year of data.

wildfire ignitions.

8.1.2.1.2 Vibration Damper Retrofit

Utility Initiative Tracking ID: SH-16

Overview of activity: SCE's Vibration damper retrofit program aims to stop wind-driven vibration (known as Aeolian vibration) that may lead to conductor abrasion or fatigue over time. This is an issue for both bare and covered conductor. However, covered conductor may be more susceptible to vibration because of the covering's smoothness (perfect cylinder) and the reduction of strand movement due to the covering. If this vibration is not mitigated, the long-term damage may reduce the covered conductor's useful life. While it does not pose an immediate risk, vibration can reduce the covered conductor's useful life from 45 years to an average of 20 years if not addressed, particularly in high and medium vibration susceptibility area.

Figure SCE 8-03 - Types of Vibration Dampers: Stockbridge Damper (left) and Spiral Damper (right)

As discussed in response to the ACI SCE-22-17 in Appendix D: Areas for Continued Improvement, SCE examines potential areas for damper retrofits and prioritizes lines based on defined terrain type categories and persistence of wind. SCE uses the risk informed analysis described to determine CC installations with high, medium and low susceptibility to Aeolian vibrations. Note that this program targets covered conductor installations constructed prior to Q4 2020, when SCE's vibration damper standard was published. For new installations, vibration dampers are required per SCE's covered conductor construction standard.

SCE is targeting installations on 300, 500 and 600 structures in years 2023, 2024 and 2025, respectively. SCE will strive to complete 400, 600 and 800 installations in years 2023, 2024 and 2025, respectively.

Impact of activity on wildfire risk: Installing vibration dampers maintains the expected useful life of the covered conductor, and thus the ability to minimize certain equipment failure ignition drivers, such as damage or failure of the conductor, connector, and/or splice. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire and PSPS risk.

Impact of activity on PSPS risk: As with wildfire risk, vibration dampers support the effectiveness of covered conductor by maintaining its useful life, which allows covered conductor to be utilized to increase de-energization windspeed threshold for a fully covered circuit during an extremely windy conditions and reduce the frequency of PSPS. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire and PSPS risk.

Updates to the activity: SCE will continue this program as described in SCE's 2022 WMP. SCE will increase the volume of vibration damper retrofits over the next several years, focusing on the riskiest circuit segments identified based on vibration susceptibility studies.

8.1.2.2 Undergrounding of Electric Lines and/or Equipment

8.1.2.2.1 Targeted Undergrounding

Utility Initiative Tracking ID: SH-2

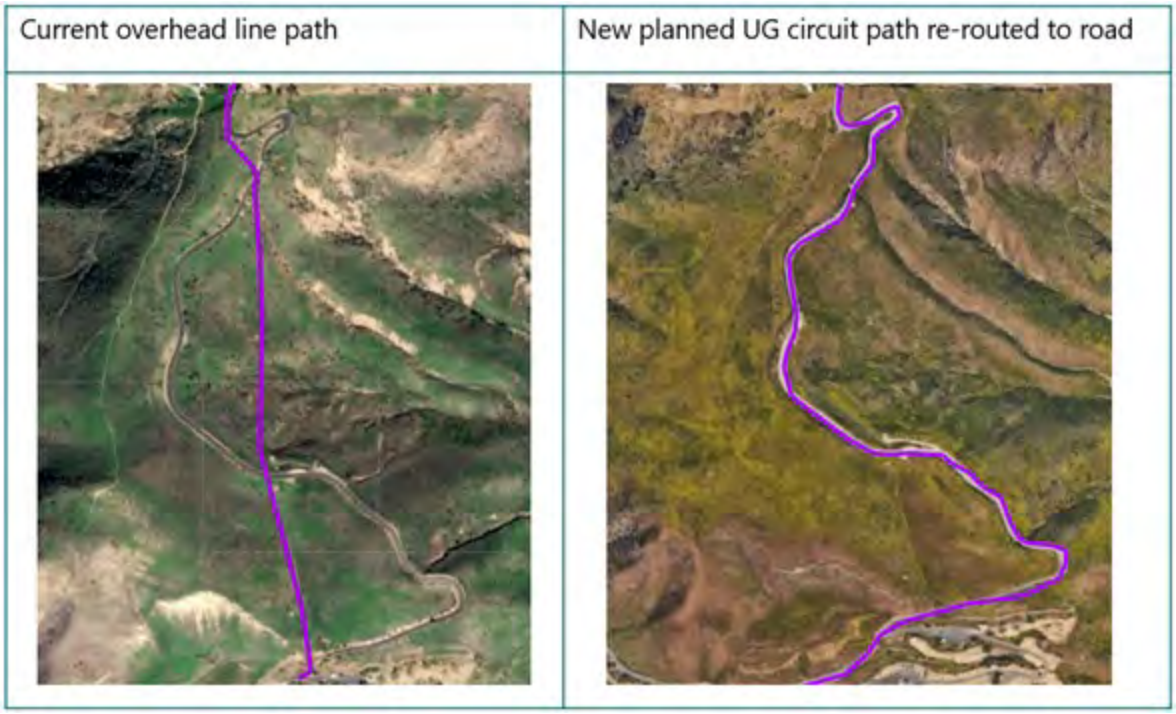
Overview of activity: Targeted Undergrounding (TUG) is a program to underground existing overhead power lines to significantly reduce wildfire and PSPS risk by significantly reducing the possibility for objects to contact energized conductor as well as greatly limiting the ignition-causing potential from equipment failures. In addition to those drivers, fault conditions can weaken and sometimes cause electrical stresses on hardware and insulators, which could lead to energized wire-down events or electrical arcing. Removing overhead lines and replacing them with underground wire significantly reduces this risk. Undergrounding has the added benefit of reducing the need for PSPS during extreme wind events. While the deployment of covered conductor may significantly increase the windspeed threshold for de-energization during a risk event, it does not completely prevent those de-energizations during extreme wind events like undergrounding can. Accordingly, as described in Section 7, undergrounding is the preferred method to nearly eliminate risk in Severe Risk Areas. However, there are some locations that are not feasible to underground due to factors such as rocky terrain, etc. In those cases, SCE would instead consider other mitigation measures including covered conductor combined with other measures.

Generally, when converting existing overhead lines to underground facilities, a line route needs to be determined. Often in urbanized areas, this route can be the same as the existing overhead line assuming pre-existing underground utilities (e.g., natural gas, water, sewer, etc.) do not preclude the addition of a new duct and structure system. Routes may also need to be altered to avoid obstructions. For example, this may involve moving a rear property pole line to curbside to avoid swimming pools, block walls, etc.

In coastal, mountainous, or more rural communities, topography can present additional challenges to those already mentioned above. Lines may need to be moved to the road to avoid steep terrain, heavy vegetation, water crossings, erosion concerns, and to generally avoid environmental considerations associated with heavy equipment access to construct and/or maintain lines. Because of these topographical challenges with some existing overhead lines, vehicle access required for installing underground cable is not available, which makes undergrounding along the same route impractical. Therefore, overhead lines may need to be brought out to the public right-of-way for undergrounding, increasing the length of the undergrounding needed and significantly increasing the cost as well as the construction timeline.

Figure SCE 8-04 shows an example of a necessary re-route. The picture on the left shows the current overhead line path, crossing a steep, hilly terrain. The lines may need to be moved to the road to avoid environmental considerations associated with heavy equipment access to construct and/or maintain lines, as shown in the picture on the right. Re-routing requires an additional length of conductor, labor, and materials.

Figure SCE 8-04 - Re-Route Example in Malibu Area



SCE aims to convert 11, 16 and 48 miles of overhead conductor to underground facilities in years 2023, 2024 and 2025, respectively. SCE will strive to convert 20 and 60 miles in years 2024 and 2025, respectively.

Impact of activity on wildfire risk: Undergrounding substantially reduces the risk of ignitions and outages associated with drivers such as wire contact with objects (e.g., vegetation, metallic balloons, debris, etc.), equipment failure, and wire-to-wire faults. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire and PSPS risk.

Impact of activity on PSPS risk: Undergrounding substantially reduces the need to call PSPS events on circuits and isolatable segments that are fully undergrounded.[149] Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire and PSPS risk.

Updates to the activity: In 2023, SCE will continue to deploy TUG based on the previous risk prioritization methods prior to the introduction of IWMS. SCE has updated our methodology to release

[149] Note that isolatable segments that are connected to upstream OH circuits can still experience PSPS outages if there is no way to reroute them to get power from another non-PSPS impacted circuit.

scope using IWMS, which considers factors such as egress, fire travel, and burn history. More details can be found in Section 6.2.1.

8.1.2.3 Distribution Pole Replacements and Reinforcements

SCE has historically had two major pole replacement programs, Deteriorated (Det) Pole Program and Pole Loading Program (PLP),[150] to improve the safety and reliability of the electric grid. As part of the Det Pole Program, SCE intrusively inspects poles through the Intrusive Pole Inspection (IPI) Program. An intrusive inspection involves drilling into the pole interior to identify and measure the extent of internal decay that is typically undetectable with external observation alone. The PLP Program assesses the safety factor of a pole to identify instances that do not meet either GO 95 or SCE's internal requirements that exceed GO 95. Poles that do not meet these requirements are documented and scheduled for either repair or replacement.

Poles are also replaced as part of SCE's HFRI inspections and maintenance programs. In addition, poles may be identified for replacement during various activities if they do not meet pole loading criteria when new equipment is added or if visual damage is identified by field personnel. All these programs span SCE's entire service area, except for HFRI inspections and maintenance which are only in SCE's HFRA. In HFRA, any poles replaced will be replaced with FRPs using the same strategy as described above for WCCP, which is the engineering standard in SCE's HFRA. SCE does not consider pole replacements to be a stand-alone WMP initiative but is incorporated already as part of its system hardening and asset management activities. As described above in regards to SH-1, FRPs are installed in HFRAs as part of WCCP and non-WCCP activities (such as post-fire restoration work).

8.1.2.3.1 Tree Attachment Remediation

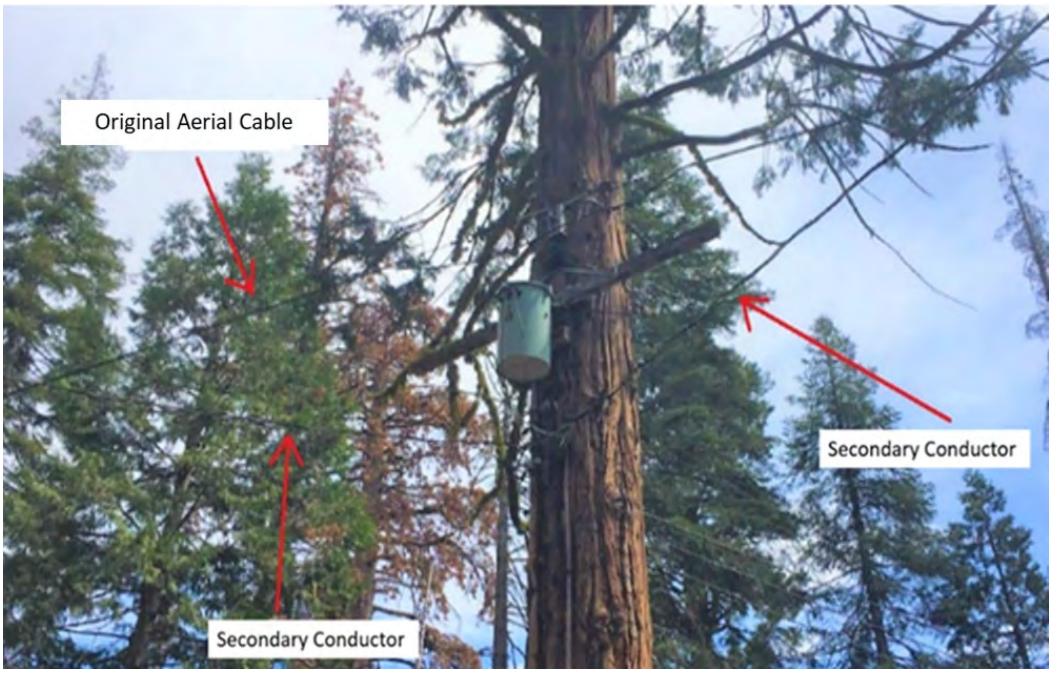
Utility Initiative Tracking ID: SH-10

Overview of activity: Tree Attachment Remediation is a Program. Older construction methods used in SCE's forested service area used existing trees to support overhead conductors instead of installing utility poles. These "tree attachments" do not meet SCE's current design standards. The integrity of the trees cannot be verified using inspections and assessment techniques for poles. In addition, tree attachments increase the probability of faults and damages from vegetation contact and "fall-ins."

This initiative entails removing the electrical equipment attached to trees and installing the equipment on new fire-resistant poles to reduce ignition driver risks. Note that most tree attachment work is completed with aerial cable as that is the design standard for areas with dense vegetation. Aerial cable is a fully insulated conductor, equivalent to underground cable, and can withstand permanent phase-to-phase and phase-to-ground contact. If the existing tree attachment has aerial cable in good condition, SCE will relocate the aerial cable to a pole instead of installing covered conductor.

[150] SCE's Pole Loading Program was completed in 2021. Some resulting remediations will take place up to 2024.

Figure SCE 8-05 - An Example of a Tree Attachment Where Electrical Equipment Was Attached to a Live Tree



Impact of activity on wildfire risk: Tree attachment remediations address contact-from-object and equipment failure ignition risks. Removing a tree attachment reduces the probability of vegetation contact and the potential ignition caused by a spark close to vegetation. Leaving overhead conductors attached to trees, especially in HFRA, is inherently risky so SCE is transferring overhead conductor from trees to poles.

SCE aims to complete remediation of 400 and 500 structures in 2023 and 2024 respectively. SCE will strive to complete 500 and 600 structures in 2023 and 2024, respectively. In 2025, SCE will remediate the balance of tree attachments in SCE's HFRA, which is subject to change based on scope completed in previous years.

Please seeTable SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire and PSPS risk.

Impact of activity on PSPS risk: This initiative does not directly impact PSPS risk.

Updates to the activity: This program will continue through this WMP period without significant changes from our 2022 WMP, with an anticipated conclusion in 2025.

8.1.2.3.2 Fire Resistant Wrap Retrofits

Utility Initiative Tracking ID: 8.1.2.3.2

Overview of activity: Fire Resistant (FR) Wrap Retrofits is a pilot. A dead-end pole is a pole that supports the end of a conductor run spanning multiple poles. A tangent pole supports the conductor in the middle of a conductor run as depicted in Figure SCE 8-06. If a wood dead-end or tangent pole fails in a large fire, it can result in cascading failures such as the collapse of the adjacent poles/wires in a distribution line (if it is a tangent pole, then one on each side of the failed structure; if it is a dead-end pole, then on one side of the failed structure).

Figure SCE 8-06 - Dead-end Structure (left) and Tangent Structure (right)

Although wood poles themselves are generally not the source of ignition, dead-end and tangent structures carry significant amounts of weight and tension from supporting sections of overhead wire. Installing a FR wrap on dead-end and tangent poles can help the poles maintain structural integrity after a fire, which can prevent cascading failures of other poles, and shorten the restoration time. This activity will focus on installing FR wraps on dead end and tangent poles for the top riskiest circuits/circuit segments in HFRA that are located within areas experiencing the highest frequency of burns.[151]

This activity goes back to previously installed covered conductor structures to install FR wraps on unreplaced dead-end poles and adjacent tangent poles (that were not replaced because they passed pole loading requirements when covered conductor was installed) to prevent cascading failures.

Impact of activity on wildfire risk: FR wrap retrofits help mitigate against reliability concerns associated with wildfire consequence by preventing structures from falling and failing during or after wildfire events, which could create cascading failures and longer restoration time for customers post-fire. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation combined with covered conductor impacts wildfire and PSPS risk.

Impact of activity on PSPS risk: FR wrap retrofits do not have an impact on PSPS.

Updates to the activity: The retrofit of poles with FR wrap will be done in 2024. SCE will install 325 FR wraps targeting the riskiest locations. SCE may increase the scope as needed.

8.1.2.4 Transmission Pole/Tower Replacements and Reinforcements

SCE has two major pole replacement programs, the Deteriorated (Det) Pole Program and the Pole Loading Program (PLP).

As part of the Det Pole Program, SCE intrusively inspects poles through the Intrusive Pole Inspection (IPI) Program (please see Section 8.1.3.9 for a detailed description of IPI). An intrusive inspection involves drilling into the pole interior to identify and measure the extent of internal decay that is typically undetectable with external observation alone. Additionally, through the PLP, SCE assesses poles to

[12] Based on fire scar counts.

identify and repair or replace poles that do not meet GO 95 loading, temperature and safety factor requirements or, in areas with known local conditions such as high winds, SCE's loading, temperature and safety factor requirements (please see Sections 8.1.2.3 and 8.1.4 for more information on PLP). These pole programs are driven by CPUC GO 95 and GO 165 requirements.

Poles are also replaced as part of SCE's HFRI inspections and maintenance programs. SCE inspects all Transmission structures in HFRA annually (please see Section 8.1.3.2 for a detailed description of Transmission HFRI). At a minimum, each structure in HFRA is viewed via a routine/annual circuit patrol. Each structure also receives a detailed inspection at minimum every three years—or as frequently as every year—based on the risk-ranking of the structure.

Regardless of the inspection type, any issue requiring remediation is documented and worked according to GO 95 timeframes. These remediations can call for the repair or replacement of the structure or any of the structure's components, depending on its location and severity. Additionally, in HFRA, HFRI inspections are prioritized for faster completion. The timeframe for pole remediations in HFRA Tiers 2 and 3 is typically shorter than in non-HFRA areas (i.e., typically six months to remediate in HFRA Tier 3 and twelve months to remediate in HFRA Tier 2).

Poles may also be identified for replacement during miscellaneous activities if they do not meet pole loading criteria when new equipment is added or if visual damage is identified by field personnel. All these programs span SCE's entire service area, except for HFRI inspections and maintenance, which are only in SCE's HFRA.

SCE also has a Transmission Corrosion Program that assesses and remediates corroded transmission structures identified in SCE's transmission system. This program focuses on all-steel structures across SCE's service area, including out-of-state interties. The structures and lattice towers are mostly comprised of galvanized, painted steel.

Aging steel structures may be at risk of failing due to environmental factors such as soil corrosivity and atmospheric corrosion which can affect the integrity of the structure. The corrosive environments can lead to rusting, pitting, and steel loss, thereby increasing the failing risk of the structures. Once a galvanized tower begins to corrode, the corrosion advances more quickly and can lead to steel loss and structure failures unless mitigated appropriately.

The Transmission Corrosion Program consists of assessment and mitigation of these structures. During the assessment phase, SCE performs above- and below-ground visual inspections and engineering analyses such as pitting depth, remaining steel thickness measurements, and soil sampling. In addition, SCE may perform bore scoping and ultrasonic testing on Light Weight Steel (LWS) poles to determine asset health in the future.

The mitigation phase typically begins two years after the assessment phase to allow completion of the required technical review, procurement, and approval process. Mitigations depends on the assessment recommendations for each structure and may include, but are not limited to installing concrete cap footings, replacing steel members, coating structures, engaging in cathodic protection, and, if necessary, replacing the structure.

SCE discusses various transmission pole/tower replacements and reinforcements in other sections of its WMP. Please refer to Section 8.1.3.2 for a discussion of Transmission remediations, including remediation of transition spans and Transmission Integrated Wildfire Mitigation Strategy (IWMS) Engineering Analysis and Testing in Section 8.1.2.12.1 for a discussion of these efforts.

8.1.2.5 Traditional Overhead Hardening

8.1.2.5.1 Branch Line Protection Strategy

Utility Initiative Tracking ID: SH-4

Overview of activity: SCE's Branch Line Protection activity is a program. Arcing and increased currents associated with electrical faults may produce incandescent particles which can lead to ignitions or stress equipment leading to increased failures. Reducing fault energy can lessen the amount and size of incandescent particles which decreases ignition risks. Current Limiting Fuses (CLF) are safety devices consisting of an internal filament that melts and interrupts an electric circuit if the current exceeds the fuse rating.

Some fuse designs do not meet the Cal Fire "Exempt" classification and can expel molten material when they operate, creating the potential for ignitions. Current Limiting Fuses and other CAL FIRE Exempt fuse designs generally clear faults and reduce fault energy more quickly, reducing arcing and sparks during fault events and the impact of a fault on electrical equipment along the circuit.

The objective of initiative SH-4 involves proactively installing CLFs on branch lines (Branch Line Fuses or BLFs) where no fusing previously existed and replacing conventional fuses with CLFs or other CAL FIRE Exempt fuse designs. This aims to reduce the expulsion of flammable material and the amount of fault energy, thereby reducing the potential for ignitions.

In 2018 and 2019 SCE made substantial efforts for application of branch line fusing (BLF) with current limiting fuse technology where fusing did not previously exist to help reduce ignition risk and improve electric service reliability. From 2020-2023, SCE's focus for the fusing program shifted to branch line fuse replacements, particularly for Cal Fire non-exempt expulsion fuses and other fuses with operational concerns.

Figure SCE 8-07 - Example of Current Limiting Fuse and Fuse Holder

In addition, SCE also bundles fusing replacements, for both BLF or equipment applications with other work. These bundling efforts for equipment fuses largely focuses on replacements for non-exempt fuses for transformer applications. Tracking these fuse replacements was initiated in during inspection efforts in 2019 which cataloged these remaining non-exempt equipment fuses.

SCE is targeting to replace 500 units and will strive to replace 570 units in 2023, concluding the proactive

replacement of branch line fuses. Post 2023, SCE will work to replace any remaining fuses requiring replacement as opportunity work, or will continue to bundle replacement activities with other work.

Impact of activity on wildfire risk: By reducing the amount of fault energy and incandescent particles during a fault compared to a legacy fuse or no fusing, a CLF or other CAL FIRE "Exempt" fuses reduces the potential for faults to cause ignitions.

Impact of activity on PSPS risk: No direct impact on PSPS.

Updates to the activity: SCE does not have significant changes to branch line fuse installation and replacement strategies compared to the 2022 WMP beyond the strategies described above. Legacy fuses for these applications have largely been replaced through prior years' WMP efforts. SCE is targeting to replace 500 units in 2023, concluding the proactive replacement of branch line fuses. Beyond 2023, additional fuses will be replaced as part of ongoing infrastructure maintenance when CLFs are identified needing replacement or repair or as part of other work when regular maintenance can be bundled.

8.1.2.5.2 Long Span Initiative

Utility Initiative Tracking ID: SH-14

Overview of the activity: SCE's Long Span Initiative is a program that addresses increased risk of conductor clash in high wind conditions associated with distribution conductor spans of a certain length, spans with mixed conductor, spans that have a sharp angle, or spans that transition between vertical and horizontal configuration

In 2020, SCE began using LiDAR on its distribution long spans to identify locations with potential conductor clash issues and planned to remediate the highest risk locations upon field validation. In 2022, SCE enhanced its risk methodology and prioritization by incorporating the IWMS and developing a risk analysis that considers LiDAR measurements, conductor POI, and wind-related features to better target conductor clash scenarios.

Long spans that are at high risk for conductor clashing and that fall within locations that are largely consequential in the case of an ignition are prioritized for remediation. The type of remediation selected is determined by the specific details of each span and the corresponding field conditions.

This initiative includes three types of remediations that are carried out with the purpose of reducing conductor clashing risks from long spans:

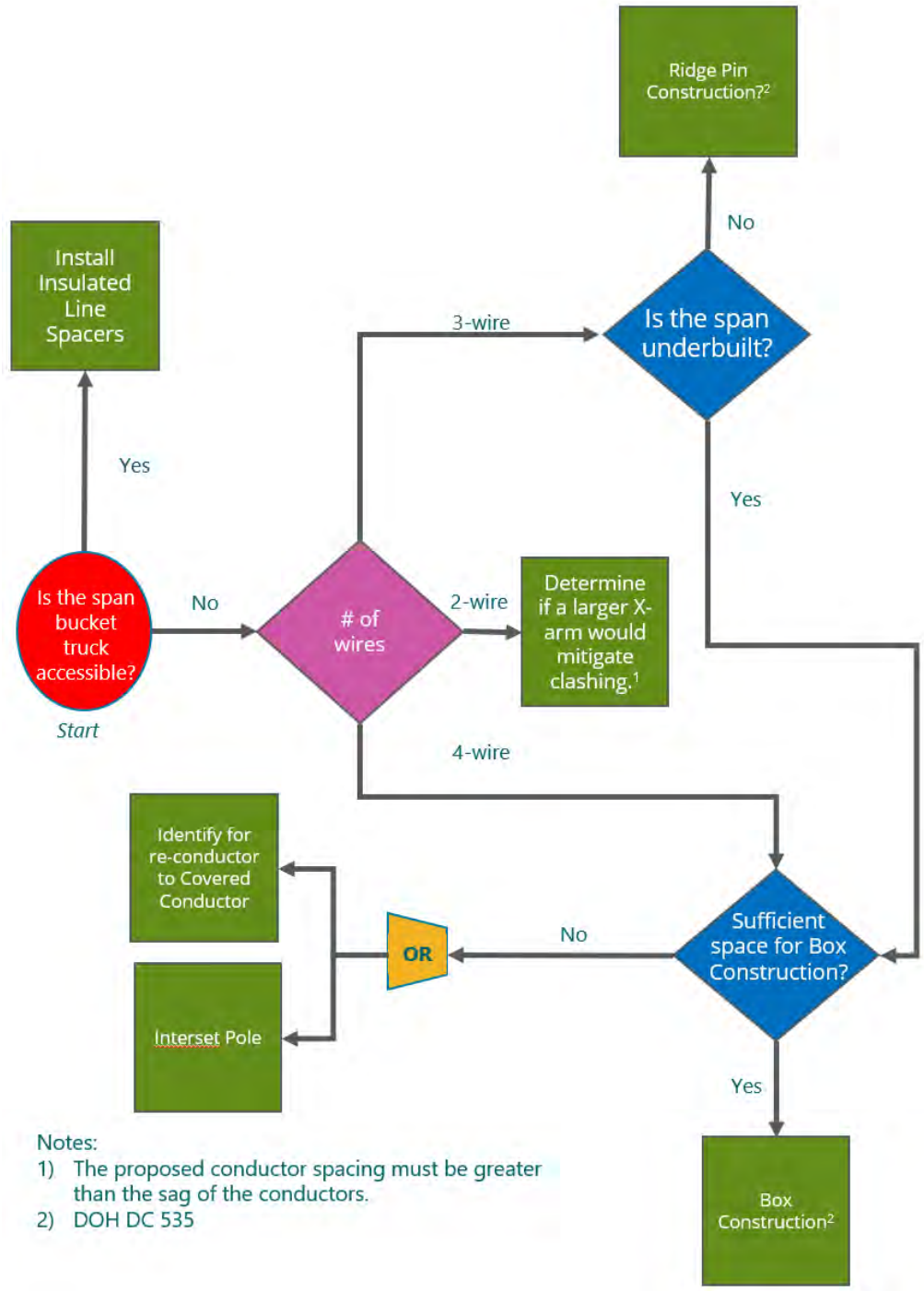
1. **Line spacers** – Insulated equipment that separates the lines to reduce the possibility of wire-to-wire. It is the preferred remediation type due to the speed of deployment and its effectiveness against clashing. They are utilized during instances where there is bucket truck accessibility.

Figure SCE 8-08 - A Line Spacer Installed on a Long Span to Mitigate Wire-to-Wire Contact (Left), Close Up Line Spacer View (Right)

2. **Alternate Construction** – This includes ridge pin, box construction, wider crossarms, and interset poles. These construction configurations increase phase spacing or reduce sag, which minimizes the probability of wire-to-wire contact. This type of remediation is typically utilized when there is no bucket truck accessibility for line spacers.
3. **Covered Conductor** - The wire ensures that the lines are protected if clashing occurs. Covered conductor will be installed in instances where there is no bucket truck access and either a 3-wire span is underbuilt, or a 4-wire span does not have sufficient space for box construction.

The following flow chart demonstrates how SCE makes a determination on the type of remediation appropriate for different scenarios.

Figure SCE 8-09 - Long Span Initiative Remediation Decision Tree



SCE aims to complete 400 spans in 2023 with a strive goal of 500 spans and aims to complete 1,000 spans in 2024 and 2025, striving to complete 1,200 spans in each 2024 and 2025.

Impact of activity on wildfire risk: This initiative is aimed to prevent wire-to-wire contact, which reduces the risk of ignition events. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire and PSPS risk.

Impact of activity on PSPS risk: No direct impact on PSPS risk.

Updates to the activity: The risk prioritization methodology to determine LSI scope has been updated by using the IWMS risk analysis described above. To determine risk prioritization, SCE's new methodology considers spans in severe risk and high consequence areas and uses the LSI risk model to determine the probability of wire-to-wire contact. For example, a span with high probability of wire-to-wire contact in a Severe Risk Area would be prioritized over a span outside of a Severe Risk Area.

8.1.2.6 Emerging Grid Hardening Technology Installations and Pilots

8.1.2.6.1 Rapid Earth Fault Current Limiter – Grounding Fault Neutralizers

Utility Initiative Tracking ID: SH-17

Overview of activity: The Rapid Earth Fault Current Limiter (REFCL) initiative is a program that deploys technology that detects ground faults as small as a half ampere on one phase of a three-phase powerline. This technology almost instantly reduces the voltage on the faulted conductor while boosting the voltage on the two remaining phases. This allows SCE to maintain service for customers while extinguishing arcs. SCE is utilizing its REFCL program in HFRA to reduce the energy released from ground faults to the point that an ignition is unlikely.

SCE utilizes two approaches to implement REFCL technology: Ground Fault Neutralizer (SH-17) and Grounding Conversions (SH-18).

Ignitions caused by single phase to ground faults can be mitigated with the use of the Ground Fault Neutralizer which reduces fault energy by a factor of a thousand or more compared to typical utility designs. A Ground Fault Neutralizer can detect and act upon ground faults as small as a half ampere, making it substantially more sensitive than traditional protection.

The first GFN on the SCE system was recently installed at SCE's Neenach substation to reduce ground fault energy across the approximately 170 miles of circuitry fed by Neenach, of which approximately 70 miles are in HFRA. The Ground Fault Neutralizer is likely to be the preferred REFCL design for large substations. Large systems produce greater fault currents, which benefit more from the additional equipment used in a Ground Fault Neutralizer project. Figure SCE 8-10 below shows an example of a Ground Fault Neutralizer.

Figure SCE 8-10 - Image of a Ground Fault Neutralizer

SCE provides additional details on its REFCL program in the workpaper titled, "Rapid Earth Fault Current Limiter (REFCL) Projects at Southern California Edison."[152] This report provides an overview of SCE's evaluation of REFCL and experience with the Ground Fault Neutralizer at Neenach substation installed in 2021 as well as experience with three grounding conversion projects:

- An overhead isolation transformer installed in 2020 covering 2.5 miles of the Calstate 12kV circuit.
- A padmount isolation transformer covering 12 miles of the Stetson 12kV circuit in 2021.
- An Arc Suppression Coil (ASC) to resonant ground Arrowhead substation, covering 40 miles of 12 kV circuitry, installed in 2021.

Additional details of REFCL can also be found in Section 8.3.3 discussing Grid Monitoring systems.

SCE aims to complete GFN at two substations in 2023, one in 2024 and four in 2025. The reduction in number of units in 2024 is because SCE is using that time to onboard a second equipment supplier.

Impact of activity on wildfire risk: A substantial number of public safety hazards from high voltage electrical equipment, including downed wire incidents, energized conductor contacts, events involving underground equipment failures, arc flashes, step and touch voltage incidents, and fire ignitions come from ground faults. REFCL technology has been found to substantially reduce the energy released in ground faults, and therefore has the potential to significantly reduce these risks. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire and PSPS risk.

[152] See "Rapid Earth Fault Current Limiter (REFCL) Projects at Southern California Edison" workpaper, available at https://www.sce.com/safety/wild-fire-mitigation

Impact of activity on PSPS risk: Currently SCE does not factor the presence of REFCL into PSPS thresholds, however that may change as SCE's REFCL deployment expands and more experience is gained with the technology.

Updates to the activity: SCE has decided to split out Grounding Conversions from SH-17 into its own initiative, SH-18, as each has distinct uses and targets. As described below, GFN differs from grounding conversions and SCE believes it is appropriate to examine and report on these separately.

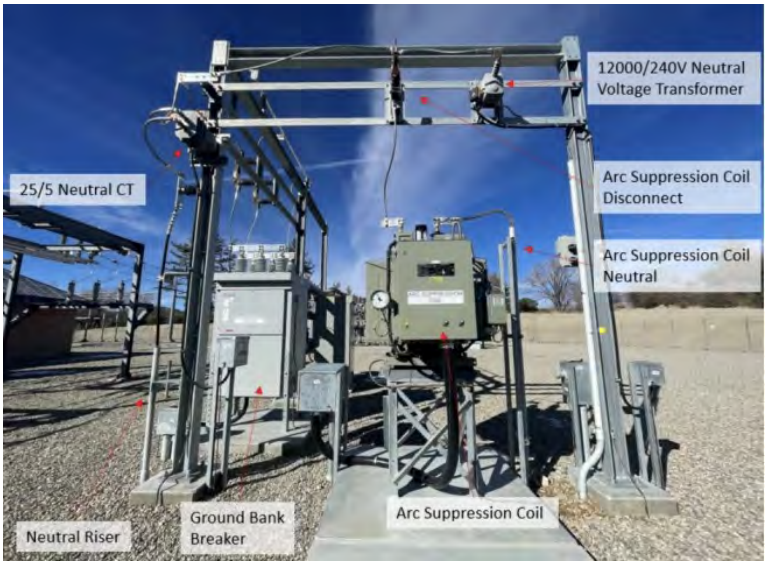
8.1.2.6.2 Rapid Earth Fault Current Limiter – Grounding Conversions

Utility Initiative Tracking ID: SH-18

Overview of activity: SH-18 is part of the REFCL program, but a newly designated activity. The REFCL grounding conversion applications act to reduce energy and ignition risk associated with single phase to ground faults. SCE created a separate category for grounding conversion projects which are utilized on smaller substations or applied at the distribution circuit level, rather than larger substations which are targeted by the REFCL GFN program. These projects convert the existing electric system to operate either ungrounded or resonant grounded without the use of the GFN. For the purposes of REFCL systems, the distinction between "large" and "small" substations/systems primarily depends on the lengths of overhead and underground circuitry. Typical grounding conversion projects cover 2 to 15 miles of circuitry.

Figure SCE 8-11 below shows the main components used to resonant ground Arrowhead substation. This project demonstrated resonant grounding which was added at an existing substation. This type of grounding conversion is likely to be the preferred REFCL design for smaller substations. Smaller substations produce lower fault current and resonant grounding alone can be used to reduce fault currents to help mitigate ignitions from ground faults.

Figure SCE 8-11 - Image of a Resonant Grounded Substation



Grounding conversions for distribution circuitry outside of the substation is also possible in two variations. First the application of isolation transformers and, second the application of what SCE calls “pole tops.”

Traditionally “poletop” transformers were located on the top of a pole as depicted in Figure SCE 8-12, below, however many newer installs use padmounted equipment.

Figure SCE 8-12 - Pole Top Step Down (33kV to 12kV) Transformer (left) and Isolation (Iso) Bank Transformer (12kV to 12kV) (right)

Figure SCE 8-13 below shows an example of overhead compared to a pad-mounted isolation transformer installation. Overhead isolation transformer installations have a few limitations when compared to the pad-mounted alternative, with the main limitation being smaller size equipment which limits the amount of customer load that can be converted to the REFCL scheme. The pad-mounted isolation transformers can be built much larger and therefore be applied to serve more customer load, and additionally can simplify certain construction and operational practices.

Figure SCE 8-13 - Images of Isolation Transformers used for Grounding Conversion

In 2023, SCE anticipates completing one grounding conversion project, then four projects in each 2024 and 2025 with strive targets of six in 2024 and 2025.

Impact of activity on wildfire risk: A substantial number of public safety hazards from high voltage electrical equipment, including downed wire incidents, energized conductor contacts, events involving underground equipment failures, arc flashes, step and touch voltage incidents, and fire ignitions come from ground faults. REFCL technology has been found to substantially reduce the energy released in ground faults, and therefore has the potential to significantly reduce these risks. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire and PSPS risk.

Impact of activity on PSPS risk: Currently SCE does not factor the presence of REFCL into PSPS thresholds, however that may change as SCE's REFCL deployment expands and more experience is gained with the technology.

Updates to the activity: This is a new initiative.

8.1.2.7 Microgrids

8.1.2.7.1 Microgrid Assessments

Utility Initiative Tracking ID: 8.1.2.7.1

Overview of activity: Microgrid assessments are studies that SCE has undertaken to understand the feasibility of microgrid deployment. The microgrid program and microgrids are important tools that can help reduce wildfire risks during extreme weather conditions and support customers during PSPS de-energizations. Microgrids that can island from the grid during de-energization events can provide backup power to maintain reliability, thereby increasing community resilience.

This initiative focuses on two activities: 1) produce a study evaluating sites that are subject to frequent PSPS events to determine which sites would benefit from having a microgrid that provides backup power during de-energizations, and 2) engaging the property owners of those sites with a proposal to install a microgrid at the location to support community resilience to PSPS events.

Impact of activity on wildfire risk: This activity indirectly reduces wildfire risk since it allows SCE to maintain power delivery to customers while de-energizing the overhead lines during extreme windy events which may cause ignitions.

Impact of activity on PSPS risk: This initiative enables those served by the microgrid to maintain reliability and circumvent the impacts of a disruption in power due to a PSPS de-energization.

Updates to the activity: In October 2022, SCE identified 1,400 sites with the potential for microgrids, by identifying clusters of customers that are affected by frequent PSPS events and are mostly served through underground wires. The microgrids would operate during PSPS de-energization events, to help customers maintain reliability. However, SCE found through its study that the net cost for installing the microgrid was higher than the value of service it would provide to customers for most sites. Project deployment cost—which includes the added civil work, information technology (IT) costs, project management, and contingency costs—is on average 76% higher than the costs to both purchase microgrid assets and the lifetime operations and maintenance cost of the microgrid (e.g., fuel purchases, asset repairs and replacement, etc.) and is the driving factor behind the high cost of deploying microgrids.

Based on the evaluation, only 13 of the 1,400 sites had substantially high value of service[153] to justify further review. In November 2022, a manual site review was performed on the 13 sites to validate the feasibility of deploying the microgrid based on exposure to high winds, the configured network topology, and cost-effective alternatives. For all 13 sites, SCE determined that microgrids were not cost-effective, especially when considering the costs needed to scale the microgrid to a level that could provide enough coverage for the feeder impacted by the PSPS outage.

In 2023, SCE will re-evaluate its approach, re-run its assessment, and explore potential cooperative opportunities through the Microgrid Incentive Program, the Microgrid OIR (R.19-09-009), and/or other microgrid mechanisms. SCE also plans to pilot remote grid capabilities and is undertaking feasibility studies to determine optimal locations for the pilot. Please see Section 8.1.2.9.1 for more information about the remote grid feasibility studies.

8.1.2.8 Installation of System Automation Equipment

8.1.2.8.1 Remote Controlled Automatic Reclosers

Utility Initiative Tracking ID: SH-5

Overview of activity: SH-5 is a program to install and update Remote Controlled Automatic Reclosers. The updates are to accommodate enhanced protective settings known as Fast Curves (described further in Section 8.1.8.1.1). Distribution circuits span many miles, may traverse areas of varying risk, and are subject to varying weather conditions based on specific asset locations. In the past, during PSPS events, both the portions of circuits that do not pose ignition risks and the portions that present ignition risks have been de-energized, as there were no available means of isolating these segments to only de-energize portions of concern. To address this issue, SCE is installing Remote Control Switches (RCS) and Remote Automatic Reclosure (RARs) devices to help sectionalize circuits and control the flow of electricity remotely.

[153] SCE uses the Value of Service (VOS) as described by the Nexant 2019 Value of Service Study presented in the 2021 General Rate Case (GRC).

Remote Control Switches (RCS)

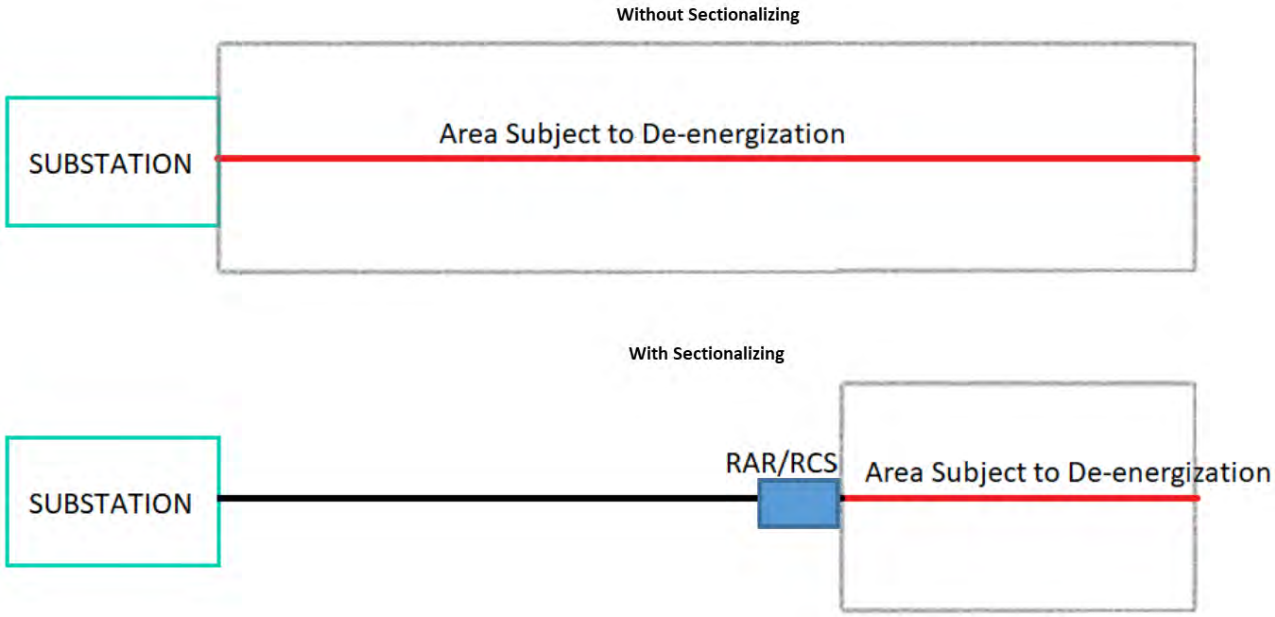
RCS are a type of load sectionalization device that helps SCE limit PSPS de-energization to fewer and smaller circuit segments. Although SCE has traditionally installed automation equipment to improve reliability and provide operational flexibility, it has since expanded its distribution automation activities as part of wildfire and PSPS mitigation strategy (see Figure SCE 8-13 - Images of Isolation Transformers used for Grounding Conversion).

Having manual switches increases the time and resources needed for de-energization, testing, and re-energization. The remote-control capabilities associated with RCS are necessary to enable SCE to quickly respond to emergent fire danger conditions to reduce ignition driver risks and minimize the effects of PSPS events.

Remote Automatic Reclosures (RARs)

RARs are a type of fault-interrupting automatic switch that shuts off electric power when an electrical fault or short circuit is detected, thus reducing the risk of ignition (see Figure SCE 8-13 - Images of Isolation Transformers used for Grounding Conversion). RARs are reclosers that have been modified to be remotely operated by means of a radio. They operate in a similar fashion to a substation Circuit Breaker but are located on distribution line sections remote from the substation.

Figure SCE 8-14 - Sectionalizing Devices Limit De-energization to Smaller Segments



New RARs and RCSs will be required to further sectionalize circuits and circuit segments and improve ability to reduce PSPS scope, isolate faults and improve restoration time. As described in Section 8.1.8.1.1, SCE increases the fault sensitivity of RARs by way of operational settings during adverse weather conditions.

Figure SCE 8-15 - A Remote Control Box (left) and Remote Automatic Recloser (RAR) Switch (right)

SCE aims to complete six RAR/RCS projects in 2023 and five in each 2024 and 2025, subject to PSPS analysis from the prior year, which can inform where projects are most needed. SCE will strive to complete as many as 17 projects each year between 2023 and 2025.

Impact of activity on wildfire risk: Fast Curve settings that are enabled on RARs can reduce response time to protect the line from fault currents when they occur, thereby reducing ignition risk. Please see Section 8.1.8.1.1 for further discussion on Fast Curves. Please see Table 7-2 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire risk.

Impact of activity on PSPS risk: RARs and RCSs allow SCE to sectionalize circuits into smaller segments during PSPS and thus reduce the scope and size of PSPS. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts PSPS risk.

Updates to the activity: SCE plans to perform detailed engineering reviews to identify locations for new RARs to help further expand to potentially impacted customers the coverage afforded by these devices. In addition, SCE has been making updates to the Fast Curve settings that are enabled on these devices, which is discussed in more detail in Section 8.1.8.1.1

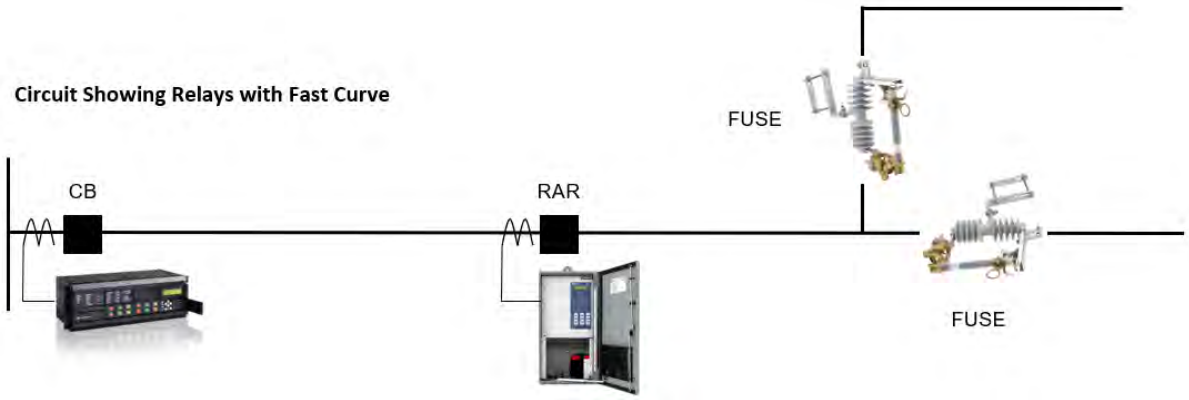
8.1.2.8.2 Circuit Breaker Relay Hardware for Fast Curve

Utility Initiative Tracking ID: SH-6

Overview of activity: Upgrading circuit breakers is a program. At substations, a relay is a device designed to trip a Circuit Breaker (CB) when it detects a fault, which is an electrical disturbance in the power system accompanied by a sudden increase in current. The CB then interrupts the current flow, cutting off the power supply to minimize damage to the circuit. As discussed in Section 8.1.8.1.1 and 8.3.3, SCE has implemented Fast Curve settings at substation CB relays (SH-6) in addition to the RARs

(SH-5), discussed above, to increase the speed of the relay detecting a fault and deenergizes a circuit, thus decreasing the risk of an ignition. SCE upgrades old electromechanical relays with new microprocessor relays that can accommodate Fast Curve settings integration.

Figure SCE 8-16 - Depiction of Circuit Breaker Relative to Remote Automatic Reclosers & Fuses



SCE aims to replace or upgrade 75 circuit breakers in 2023 but will strive for 88. In 2024 SCE aims to complete an additional 10 units, sunsetting the program after these units are completed.

Impact of activity on wildfire risk: CB Relays with Fast Curve settings allows SCE to more quickly protect circuits when fault currents are detected. The result is reduced ignition risk from any fault event. Please see Section 8.1.8.1.1 for a discussion of Fast Curve settings, and Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts wildfire risk.

Impact of activity on PSPS risk: This initiative does not impact PSPS risk as PSPS prevents faults from occurring whereas CBs with Fast Curve settings protect a circuit quicker after a fault occurs. Please see Table SCE 7-02 and Appendix F: Supplemental Information (i.e., "Mitigation Effectiveness Workpapers") for additional information on how this mitigation impacts PSPS risk.

Updates to the activity: SCE is continuing to replace old electromechanical relays with modern microprocessor relays on circuit breakers to allow them to be set with Fast Curves. SCE is also updating its Fast Curve settings as discussed in Section 8.1.8.1.1.

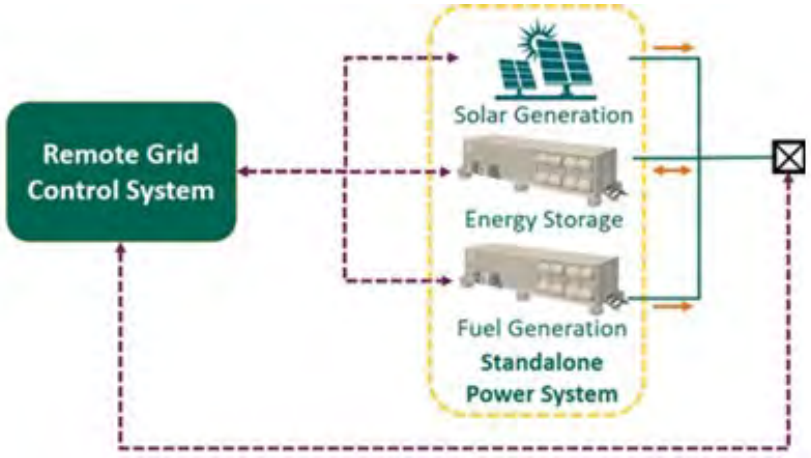
8.1.2.9 Line Removal (in the HFTD)

8.1.2.9.1 Remote Grid Feasibility Study for Wildfire Reduction

Utility Initiative Tracking ID: 8.1.2.9.1

Overview of the Activity: A remote grid is a configuration where a small number of customers in remote locations are served entirely by local Distributed Energy Resources (DERs) that are disconnected from the SCE grid, as shown in Figure SCE 8-17. These are similar to microgrids, without the option to be connected to the larger grid. See Section 8.1.2.7.1 for more information about SCE's Microgrid Assessment.

Figure SCE 8-17 - Remote Grid System Diagram



Remote grid systems are comprised of solar PV, battery energy storage, backup fuel generator and grid system controller to form a permanent islanded power system co-located with the customer loads. Customers in remote areas with relatively small and steady load (typically < 100 kW) can potentially be served by remote grids, allowing for improved resiliency by isolating the customer loads from other portions of the grid where ignitions or faults may occur (i.e., the overhead portion of the grid serving those customers). As SCE's IWMS identifies undergrounding line segments in severe risk areas where there are egress constraints and other high consequential criteria, remote grids may be a viable alternative to reducing ignition risk in select cases where undergrounding of distribution lines are infeasible or very expensive (see Section 8.1.2.2.1 for a discussion of SCE's undergrounding initiatives).

There are also potential additional benefits, such as reduced vegetation management and inspection work, since the long lines that connect the customer load to the rest of the grid will be removed. A related activity is the Microgrid Assessment which is discussed in Section 8.1.2.7.1.

The focus of this activity is to perform a feasibility study to determine whether a remote grid is a viable option at locations that are scoped for undergrounding and exhibit high length to load ratio (i.e., has a long line segment feeding a small load). The outcome of each study will indicate whether a remote grid is feasible and cost-effective and determine its effectiveness as a mitigation strategy in lieu of undergrounding.

The number of studies were determined based on SCE's evaluation of how many locations SCE found where undergrounding is infeasible and the ratio of line length to load appears to be relatively high. This list was further refined using SCE's IWMS risk tranches to prioritize locations in Severe Risk Areas. From this review process, SCE has identified 13 locations that meet the criteria.

Impact of activity on wildfire risk: This activity does not directly impact wildfire risk drivers. However, once the study identifies a location appropriate for a remote grid, the resulting associated work will remove overhead lines and thus substantially reduce the risk of wildfire from those overhead lines.

Impact of activity on PSPS risk: This activity does not directly impact PSPS risk. However, once the study identifies a location appropriate for a remote grid, the resulting associated work will substantially reduce PSPS risk to a particular location as it will no longer be impacted by de-energized facilities.

Updates to the activity: Not applicable as this is a new WMP activity.

8.1.2.10 Other Grid Topology Improvements to Minimize Risk of Ignitions

8.1.2.10.1 Legacy Facilities

Utility Initiative Tracking ID: 8.1.2.10.1, formerly SH-11

Overview of activity: In prior WMPs, SCE implemented initiative SH-11, Legacy Facilities, to harden electrical equipment supporting SCE's hydroelectric generation operations. These generation-related assets in HFRA were examined for potential ignition risks and mitigations applied in the form of installing covered conductor, removing bare conductor, re-routing to existing lines that are already equipped with covered conductor, and updating control circuits with updated protections. SCE previously had three sub-activities in this initiative:

- Low Voltage site hardening, which assesses a variety of low voltage sites in HFRA for opportunities to reduce wildfire risk.
- Updating hydro control circuits, which involves an assessment of distribution lines that feed hydroelectric generation facilities exclusively.
- Assessing and updating grounding grids and lightning arrestors help ensure that in the event of a lightning strike or electrical incident, equipment can handle the voltage and release safely instead of causing additional wildfire risk.

Impact of activity on wildfire risk: Bare copper control circuit wire between the hydroelectric generation facility and operating gatehouse travels along the same path as the open wire distribution lines feeding the legacy facility. Re-routing to an existing covered conductor line and upgrading the bare copper controls to a fiber circuit reduces the risks of ignitions due to contact from object or clashing of bare conductors. Remediation of the grounding grid and lighting arresters help ensure equipment is able to safely discharge voltage in the event of a lightning strike or electrical fault and not cause additional wildfire risk.

Impact of activity on PSPS risk: Sites with grid hardening measures such as covered conductor can benefit from reduced PSPS risk as CC increases wind thresholds allowing lines to remain energized during higher wind speed events.

Updates to the activity: In 2022, SCE completed its targets for low voltage hardening and grounding grid studies, however only completed two out of the three hydro control reconductoring projects. The incomplete reconductor project at Siphon was delayed due to external environmental permitting issues and SCE expects to complete the project in Q3 2023.

On a going forward basis, SCE will continue to assess and update grounding grids and lightning arrestors

as applicable to help ensure that in the event of a lightning strike or electrical incident, equipment can handle the voltage and release safely instead of causing additional wildfire risk. This may involve installing grounding rods, rushed rock, and lightning arrestors in years 2023, 2024 and 2025 at various legacy facility sites.

8.1.2.10.2 Vertical Switches

Utility Initiative Tracking ID: SH-15

Overview of activity: Vertical switch upgrades is a program to upgrade switches, which need replacement. Engineering analysis of legacy vertical distribution switches concluded that older switches may generate incandescent particles if not properly adjusted or constructed. Additionally, a study revealed that wooden crossarms, upon which these switches are mounted, may shrink or warp over time potentially allowing the switch system to move out of alignment. A misaligned or improperly constructed switch may not perform normally and within its ratings. Findings from vertical switch inspections performed in 2019 in HFRA reinforced the need to replace the vertical switch population. The findings identified misadjusted switches and other construction issues that may negatively affect the wood crossarm based vertical switch systems.

Specifically, the mounting hardware for these legacy vertical switches clamp and bolt to the wood crossarms. Over time, warping of the wooden crossarms can cause the mounting hardware to loosen and correspondingly cause the vertical switch contacts to be out of alignment, potentially leading to failures. If a vertical switch fails, arcing may generate sparks with sufficient heat content to reach the ground.

This initiative replaces previously identified wooden crossarm mounted vertical switches requiring replacement with composite crossarm mounted vertical switches in SCE's HFRA.

Impact of activity on wildfire risk: A concern with vertical switch failures is the production of sparks associated with misaligned contacts. If a vertical switch fails, arcing may generate arcs or spark showers with sufficient heat content to reach the ground. The replacement of wooden crossarm mounted vertical switches identified for requiring replacement with composite crossarm mounted vertical switches in SCE's HFRA may reduce these events from faulty or worn devices, and therefore reduce the risk of ignitions from equipment failure that can lead to wildfires.

Impact of activity on PSPS risk: No direct impact on PSPS.

Updates to the activity: SCE has made no changes to the initiative since the last WMP submission. SCE will continue replacement of vertical switches as reported for 2021 and 2022. SCE anticipates completing remaining switch replacements in 2023.

8.1.2.11 Other Grid Topology Improvements to Mitigate or Reduce PSPS Events

As part of its IWMS, SCE evaluates circuits that face potential impacts from PSPS and determines appropriate mitigations such as grid hardening (see SH-1, Section 8.1.2.1 and SH-2, Section 8.1.2.2) and sectionalizing devices (see SH-5, Section 8.1.2.8). These targeted mitigations can help reduce the need for PSPS or reduce the number of customers impacted by PSPS. For example, these efforts could reduce the impact of PSPS on customers located in non-HFRA that are connected to circuits that traverse HFRA, and customers located on certain underground circuit segments within HFRA that are fed from overhead circuitry within HFRA. Targeted covered conductor deployment can help increase windspeed thresholds for PSPS de-energization. Please see Section 9 – PSPS for further discussion on SCE's PSPS program and approaches to minimize impacts to customers.

8.1.2.12 Other Technologies and Systems Not Listed Above

8.1.2.12.1 Transmission Integrated Wildfire Mitigation Strategy (IWMS) Engineering Analysis and Testing

Utility Initiative Tracking ID: 8.1.2.12.1

Overview of activity: Transmission IWMS is a study. While transmission lines have a lower probability of failure compared to distribution lines, there still exists risks associated with ignitions that could propagate from a transmission line. SCE has primarily focused its wildfire mitigation efforts on the riskiest areas of the distribution system and has made significant progress. SCE now looks to address the remaining risk on the Transmission System.

Currently, SCE performs ongoing inspections, maintenance, and vegetation management related wildfire mitigations on the transmission system. This proposed activity will explore additional potential mitigations for the transmission system in 2023, which would include an assessment of feasibility and a cost analysis of potential mitigation options. If the studies find that the mitigations are feasible and cost-effective, then SCE may deploy them in the future.

Impact of activity on wildfire risk: This activity does not directly impact WF risk drivers. However, the mitigations that may come out of this activity are intended to address drivers such as contact-from-object, wire-to-wire contact, and equipment failure.

Impact of activity on PSPS risk: This activity does not directly impact PSPS risk drivers. However, the mitigations that may come out of this activity will be reviewed to see if they can reduce PSPS risk in addition to wildfire risk.

Updates to the activity: Not applicable, this is a new study.

8.1.3 Asset Inspections

In this section, the electrical corporation must provide an overview of its procedures for inspecting its assets.

The electrical corporation must first summarize details regarding its ~~vegetation management~~[154] inspections in Table 8-6. The table must include the following:

- ***Type of inspection**: i.e., distribution, transmission, or substation*
- ***Inspection program name**: Identify various inspection programs within the electrical corporation*
- ***Frequency or trigger**: Identify the frequency or triggers, such as inputs from the risk model. Indicate differences in frequency or trigger by HTFD Tier, if applicable*
- ***Method of inspection**: Identify the methods used to perform the inspection (e.g., patrol, detailed, aerial, climbing, and LiDAR)*
- ***Governing standards and operating procedures**: Identify the regulatory requirements and the electrical corporation's procedures for addressing them*

Table 8-6 - Asset Inspection Frequency, Method, and Criteria

Type	Inspection Program	Frequency or Trigger (Note 1)	Method of Inspection (Note 2)	Governing Standards & Operating Procedures
Distribution	Distribution Detailed Inspections and Remediations	As Identified in Section 8.1.3.1 Frequency	Detailed[155] Ground Inspection Detailed Aerial Inspection (See Section 8.1.3.1 Process)	GO 95 GO 165 Distribution Inspection Maintenance Program (DIMP)
Transmission	Transmission Detailed Inspections and Remediations	As Identified in Section 8.1.3.2 Frequency	Detailed Ground Inspection Detailed Aerial Inspection (See Section 8.1.3.2 Process)	GO 95 GO 165 Transmission Inspection Maintenance Program (TIMP) North American Electric Reliability Corporation (NERC) Western Electricity Coordinating Council (WECC) California Independent System Operator's (CAISO) Transmission

[154] Manual adjustment by SCE to reflect the asset inspections section.
[155] As referenced within GO 165, Section III-A4.

Type	Inspection Program	Frequency or Trigger (Note 1)	Method of Inspection (Note 2)	Governing Standards & Operating Procedures
				Control Agreement
Distribution	Distribution Patrol Inspections	Annually	Patrol[156] (See Section 8.1.3.3 Process)	GO 95 GO 165 DIMP
Transmission	Transmission Patrol Inspections	Annually	Patrol (See Section 8.1.3.4 Process)	GO 165 TIMP NERC WECC CAISO Transmission Control Agreement
Distribution	Distribution Infrared (IR) Inspections	As Identified in Section 8.1.3.5	Infrared (IR) (See Section 8.1.3.5 Process)	GO 95 GO 165
Transmission	Transmission Infrared (IR) and Corona Scan Inspections	As Identified in Section 8.1.3.6	Infrared (IR) and Corona Scan (See Section 8.1.3.6 Process)	GO 95 GO 165
Generation	Generation Inspections	As Identified in Section 8.1.3.7	Detailed Ground Inspection (See Section 8.1.3.7 Process)	GO 95 GO 165 GO 167-B
Transmission	Transmission Conductor and Splice Assessment	As Identified in Section 8.1.3.8	LineVue or X-Ray (See Section 8.1.3.8 Process)	GO 95 GO 165
Distribution	Intrusive Pole Inspections	Annually	Visual and Internal Examination (See Section 8.1.3.9 Process)	GO 95 GO 165 Materials Specification (MS) 454
Substation	Substation Inspections	For substations that were identified as part of the Failure Mode &	Predictive Maintenance Assessment (PMA) (includes Circuit Breaker Online	GO 174 Substation Construction & Maintenance (SC&M) Maintenance and Inspection Manual (MIM) Appendix A: PMA

[156] As referenced within GO 165, Section III-A3.

Type	Inspection Program	Frequency or Trigger (Note 1)	Method of Inspection (Note 2)	Governing Standards & Operating Procedures
		Effects Analysis (FMEA),[157] these inspections are performed every 2 years.	Monitoring (CBOLM) and Oil Circuit Breaker Analysis (OCBA)) Inspection is done for all substation equipment by means of visual, infrared thermography and ultrasonic inspection (See Section 8.1.3.10 Process)	Criteria, Pages A-1, A-2 and A-3

Note 1: The electrical corporation must provide electrical corporation-specific risk-informed triggers used for asset inspections.

Note 2: The electrical corporation must provide electrical corporation-specific definitions of the different methods of inspection.

The electrical corporation must then provide a narrative overview of each ~~vegetation asset~~[158] inspection program identified in the above table; Sections 8.2.2.1. provides instructions for the overviews. The sections should be numbered 8.1.3.1 to Section 8.1.3. (i.e., each ~~vegetation asset~~[159] inspection program is detailed in its own section).The electrical corporation must include inspection programs it is discontinuing or has discontinued since the last WMP submission; in these cases the electrical corporation must explain why the program is being discontinued or has been discontinued.

[157] The purpose of the study was to develop recommendations for substation equipment inspection and maintenance based on qualitative analysis of probability and consequence of failure and associated ignition.

[158] Manual adjustment by SCE to reflect the asset inspections section.

[159] Manual adjustment by SCE to reflect the asset inspections section.

8.1.3.1 Distribution Detailed Inspections and Remediations (IN-1.1)[160]

Process

In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

SCE performs visual detailed inspections of distribution facilities as part of its routine practices throughout its service area in compliance with GO 165. Degradation of equipment and structures as part of wear and tear during normal operations and due to external factors, such as weather or third-party caused damage increases the probability of in-service malfunction or failures that can have safety and service reliability impacts. GO 95 provides guidance on overhead electric line construction standards and GO 165 provides guidance on the minimum timing for inspections. SCE performs inspections in our high-fire risk areas that go beyond the GO 95 and GO 165 requirements as described below.

To identify equipment or structure degradation that occurs between compliance cycles that could lead to a potential ignition risk, SCE conducts more frequent and ignition-focused risk inspections in HFRA beyond GO 165 requirements ("High Fire Risk-Informed inspections" or "HFRI inspections"). Prior to 2019, distribution detailed inspections entailed a ground-based visual inspection conducted by inspectors within HFRA and non-HFRA.

In 2019, a crossarm failed on a pole, and resulted in a small fire. An investigation revealed that the crossarm was damaged, and the damage was not visible from the ground. Thus, in 2019 SCE began to also perform aerial detailed visual inspections via helicopter or drone as shown below in Figure SCE 8-18 in HFRA to supplement ground-based inspections to identify deterioration or unfavorable asset conditions, such as a damaged pole top as shown below in Figure SCE 8-19. Ground inspections continue to be necessary because they help detect equipment/structure conditions that are difficult to identify via aerial inspections (e.g., the condition of guy anchors are not able to be assessed appropriately via aerial inspections), such as a damaged wood pole and h-frame (see Figure SCE 8-20 and

Figure SCE 8-21 below). In 2022, SCE piloted a single visit 360 inspection for distribution (for inspections on 33kV assets and below), this consisted of performing the ground and aerial inspections for the structure on the same visit. 360 Inspections will not typically be performed by one individual, but instead by both an inspector and a pilot. In some cases, a single inspector will perform an inclusive inspection (ground and aerial). A quality review of a pre-determined percentage will be performed to ensure consistency and aptitude of inspection.

[160] The "Distribution Detailed Inspections and Remediations" program is referred to as "HFRA 360" within the 2025 GRC.

Figure SCE 8-18 - Drone (left) and SCE Helicopter (right)

Distribution Aerial Inspection (Drone)	SCE Helicopter

Figure SCE 8-19 - Damaged Pole Top on a 4kV Circuit (Drone Capture)

Distant	At Close Range

Figure SCE 8-20 - Damaged Wood Pole on a 16kV Circuit

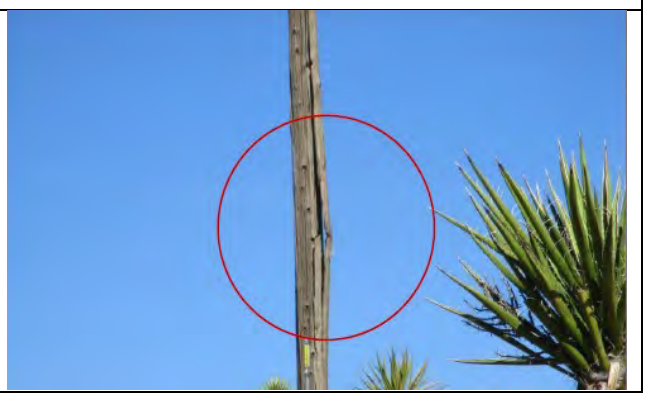
Distant	At Close Range
	

Figure SCE 8-21 - Damaged H-Frame on a 12kV Circuit

Distant	At Close Range

The frequency of HFRI inspections varies by the location-specific risk (as defined by IWMS) within SCE's HFRA and emergent conditions. Issues identified by inspectors during the detailed inspections are prioritized for remediation to be completed within GO95 compliance timelines. Remediations can be repairs to or replacements of existing assets depending on asset condition. For example, SCE repairs ground molding with that is found to be broken/damaged with an exposed ground wire at the public level. Also, SCE replaces wood guy guards if found to be missing, damaged or outdated.

SCE has enhanced its HFRI inspections since 2018 based on continuously improving data and ignition risk analysis. One such example is that since 2020, SCE's Fire Science team has identified Areas of Concern (AOCs) in HFRA based on actual current year conditions, which are areas that pose increased fuel-driven (Summer AOCs) and wind-driven (Fall AOCs) fire risk. The AOCs are identified based on several factors, including fire history, current and near-term weather conditions, fuel type, exposure to wind, and egress, among others. To mitigate the potential risk in AOCs, SCE implements an action plan in the AOCs that includes inspections of the assets (e.g., distribution, transmission, and generation) and, acceleration of remediations for the assets with the highest risk.

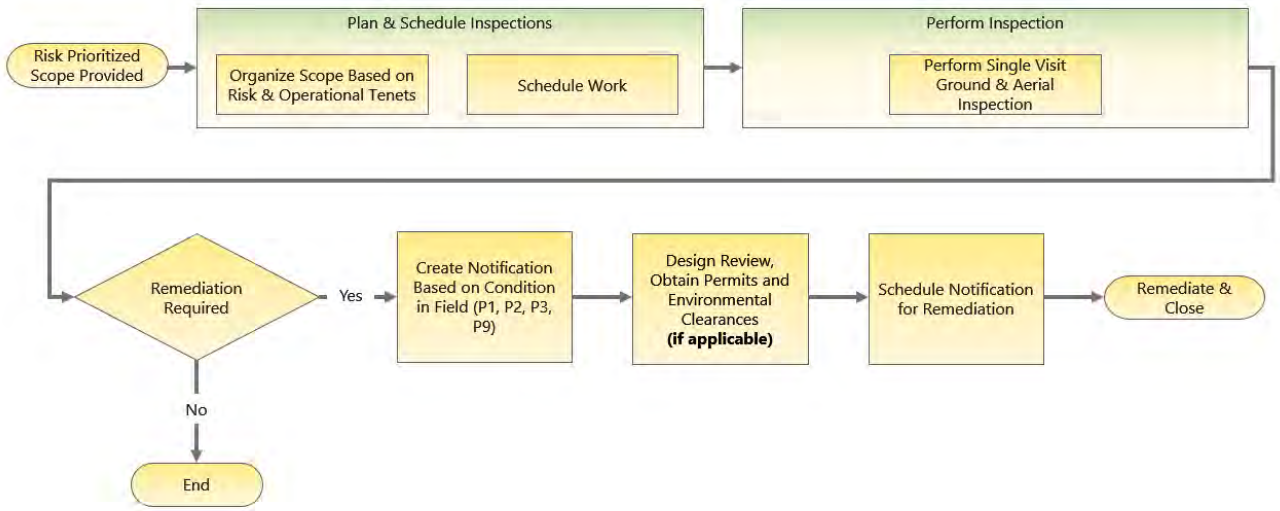
SCE also updates its AOCs effort each year based on lessons learned in order to optimize efficiency in execution of the action plan prior to peak fire season.

From 2023 to 2025, SCE's distribution detailed inspections will include a single visit ground and aerial inspection of the structure also known as the "360 inspection." In addition, SCE plans to continue the Summer and Fall AOCs program as a component of the distribution detailed inspections.

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program.

Figure 8-1a below depicts the workflow and decision process regarding distribution detailed inspections.

Figure 8-1a - Distribution Detailed Inspections and Remediations Workflow



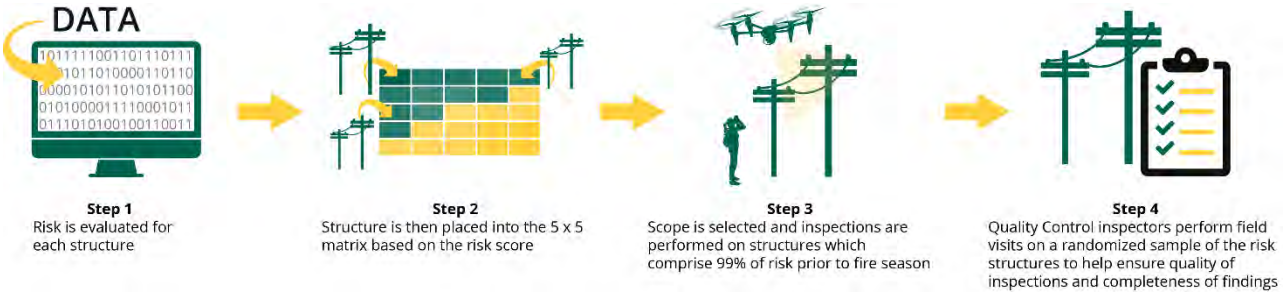
Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

SCE conducts detailed inspections of each structure within HFRA at least once every three years, which exceeds the GO 165 requirements of once every five years.[161] Standard ground-based distribution detailed inspections continue to be performed in SCE's non-HFRA every five years in accordance with GO 165 requirements.

Because risk levels vary across SCE's HFRA, structures are prioritized for inspection based on POI and consequence. In determining the 2023 Distribution HFRI inspection scope, SCE used the locational risk categorization from its IWMS Risk Framework, incorporated the latest risk modeling, and appropriate reserve capacity needed for resources to perform emergent AOCs. Figure SCE 8-22 below, outlines the process by which SCE incorporates risk through its inspection scoping processes.

Figure SCE 8-22 - Evaluation of Risk for Distribution



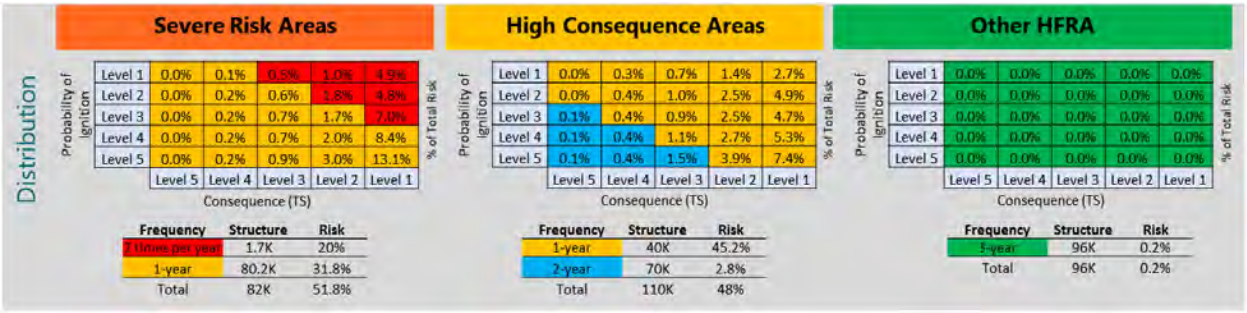
In 2022, SCE shifted to a 5x5 matrix with one dimension of the matrix representing five levels of POI risk and the other dimension representing five levels of consequence. The structures that fall into Severe Risk Area and High Consequence Area IWMS tranches and qualify as the highest risk structures in their respective 5x5 matrix are inspected more frequently. This is illustrated in Figure SCE 8-23 below. Each 5x5 matrix in the figure represents the portion of the structure population that qualifies as the specific IWMS tranche (e.g., Severe Risk Areas, High Consequence Areas or Other HFRA). The percentages within each cell represents the percent of total risk associated with the structures within the population. The percent of total risk takes into consideration the number of structures in the cell which may result in a higher percentage in a relatively lower risk cell compared to a relatively higher risk cell (i.e., POI Level 5, TS Level 1 contains a higher risk total percent then POI Level 1, TS Level 1). Figure SCE 8-23 shows that in 2023, SCE will inspect structures that comprise approximately 99% of risk in HFRA associated with distribution structures.[162]

[161] The not to exceed three-year frequency guidance applies to all structures within HFRA distribution scope (e.g., distribution poles, combination poles and streetlight only poles) unless designated as higher frequency based on risk.

[162] Risk as measured by multiplying POI by Technosylva consequence. The same 99% risk coverage applies to SCE's Transmission Detailed Inspections.

SCE will annually inspect at minimum, all structures in areas identified as Severe Risk Areas and those structures identified within an AOCs. Additionally, in 2023 SCE will inspect highest risk structures in Severe Risk Areas IWMS category twice per year. Structures in High Consequence Areas will either be inspected annually, or once every two years depending on the risk profile. All remaining lower risk structures captured within the IWMS Other HFRA category will be inspected once every three years.

Figure SCE 8-23 - Visualization of Risk Analysis for Distribution



Regarding remediations, Priority 1 (P1) conditions are addressed within 72 hours either by fully remediating the condition or by temporarily repairing the equipment or structure and resolving immediate safety concerns prior to more extensive follow-up corrective action. P1 notifications are emergent activities, also referred to as breakdown maintenance, and include the repair of SCE equipment and structures that are severely damaged, compromised or have failed while in service. Examples of P1 conditions include vegetation touching lines, broken crossarms or insulators, burned connectors, or wires laying on crossarms.

Priority 2 (P2) issues are lower risk than P1s and therefore are resolved within six months for Tier 3 or 12 months for Tier 2 within HFRA. Examples of P2 issues include vegetation near lines and deteriorated crossarms or splices.

Priority 3 (P3) issues do not require near-term remediation because they do not pose material safety, reliability, or fire risks, and will either be repaired in conjunction with other scheduled work at the structure or re-evaluated at or before the next detailed inspection. P3 issues generally require remediation within 60 months pursuant to GO 95, Rule 18. Examples of P3 issues include missing items such as reflector strips, ground moldings, guy wire guards, or high voltage signs.

If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE utilizes a risk-informed strategy as described above to identify inspection scope and then schedules those inspections in HFRA to be performed before the peak of fire season and Non-HFRA inspections to be completed based on their compliance due dates. Additionally, SCE informs its schedule by prioritizing inspections in Summer AOCs areas to be completed prior to summer and Fall AOCs areas to be completed prior to fall.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

In 2022, SCE completed 162,721 distribution ground inspections and 157,144 distribution aerial inspections which exceeded the targets of 152,000 and 150,000 respectively. As discussed above, in 2022, SCE successfully completed the 360 inspections for distribution pilot, which consisted of performing ground and aerial inspections for structures on the same visit. The previous approach, for HFRA inspections, consisted of a ground and aerial inspection taking place on separate schedules. The benefits of this new approach are fewer anticipated customer impacts, more efficient notification prioritization, safety benefits for field personnel, more consistent asset data capture, as well as reduction in environmental impacts (e.g., reduced driving in the field).

Another noteworthy accomplishment in 2022 is a decrease in QA/QC findings regarding secondary conductors. SCE has deployed improved training for its inspectors and improvements within the inspection survey which has contributed to this decrease. Please reference ACI SCE-22-17 Address Secondary Conductor Issueswithin Appendix D: Areas for Continued Improvement of this WMP for additional details.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

In 2022, SCE encountered access and customer issues when performing the distribution detailed inspection program. To address access issues, SCE utilized Air Operations to perform the inspections aerially, where possible. For any customer issues raised, SCE coordinated with each of the customers in an attempt to resolve their concerns and perform the inspections.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

As discussed above, in 2022 SCE began implementation of the single-visit 360 inspection for distribution HFRA detailed inspections. From 2023 to 2025, SCE will continue to execute the single-visit 360 inspections for distribution detailed inspections. [163]

For 2023 and beyond, SCE will utilize a purely risk-based inspections and will inspect more frequently than GO 165 5-year requirement for all structures within HFRA. Over the next five years, SCE will transition to a risk-informed remediation framework for all asset notifications.

A new strategy that SCE is evaluating is the ability to utilize LiDAR specifically for asset inspections. Currently, SCE does not directly collect LiDAR data for the purpose of inspecting T&D distribution lines and equipment. Historically, SCE collected LiDAR data for vegetation management, engineering, and electric asset data needs. To directly mitigate wildfire ignition risk, the vegetation management organization utilizes LiDAR datasets to inspect vegetation grow/fall-in encroachment risks to identify priority notifications. The use of LiDAR for inspecting vegetation encroachment and clearance is

[163] While the intent of the program is for most inspections to follow these 360 single visit approaches, there may be instances where the ground and aerial inspections cannot be performed on the same visit and must be performed on different visits.

described in Section 8.2.2.4.1.

In 2021, the scope, schedule, and cost of procuring LiDAR data for SCE was consolidated in the centralized inspections organization to ensure that the inspections organizations are aware of LiDAR data collected throughout SCE. Then in 2022, SCE performed a detailed evaluation and competitive procurement to select a LiDAR visualization and analytics software platform to enable the visualization of the collected LiDAR data. This platform will help SCE prepare for advanced analytics capabilities supporting overhead structural T&D inspections via AI/ML analytics at a network scale. In addition, SCE also engaged in the procurement of a diverse array of suppliers that provide end-to-end data LiDAR life cycle capabilities including ground control survey, data collection, data processing (e.g., calibration and feature classification), and data analytics. In 2023, SCE will begin operationalizing the LiDAR visualization and software platform as well as explore the development of T&D LiDAR inspection surveys that can be leveraged by the inspection programs to log and track identified inspection risk and issue notification work orders if necessary.

8.1.3.2 Transmission Detailed Inspections and Remediations (IN-1.2)

Process

In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

SCE performs detailed inspections of SCE's overhead transmission electric system in compliance with regulatory requirements including GO 165, NERC and WECC rules and regulations, and the CAISO Transmission Control Agreement.

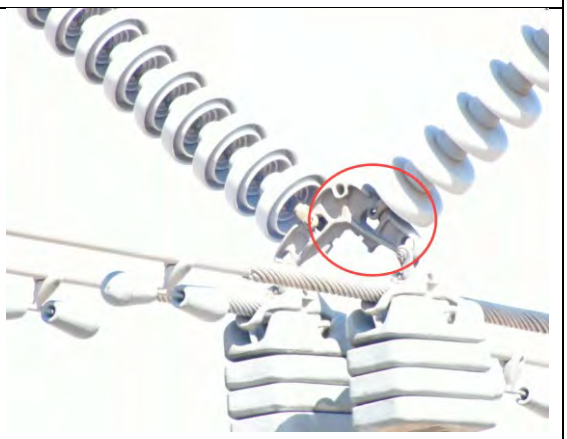
Degradation of transmission equipment and structures as part of wear and tear during normal operations and due to external factors, such as weather or third-party caused damage, increases the probability of in-service malfunction or failure which can have safety and service reliability impacts. CPUC, NERC, WECC and CAISO regulatory requirements as well as SCE's wildfire risk models for HFRA drive the type and frequency of inspections to be performed.

To identify asset conditions that may lead to malfunction or failure, SCE's Transmission Inspection and Maintenance Program (TIMP) performs visual detailed inspections of overhead transmission and sub-transmission assets. For compliance purposes, these inspections are conducted by qualified inspectors every three years. GO 95 provides guidance on overhead electric line construction standards and GO 165 provides guidance on the minimum timing for inspections and maintenance for which SCE is required to comply. However, to identify transmission equipment or structure degradation that occurs between compliance cycles due to natural wear and tear or emergent events such as weather or third party caused damages that could lead to a potential ignition risk, SCE has implemented more frequent and ignition-focused risk inspections on transmission equipment and structures in HFRA ("HFRI inspections").

As with distribution inspections, aerial inspections supplement ground-based inspections. Aerial inspections are typically performed at the same locations as ground inspections and in combination provides a 360-degree view of the assets to detect equipment/structure conditions that are difficult to identify via ground inspections, such as missing cotter keys, which could lead to faults and ignitions (see

Figure SCE 8-24 below). From 2023 to 2025, SCE's compliance driven structure inspections within HFRA will follow the same type and scope of inspection that SCE uses to perform its transmission HFRI inspections as discussed below, which includes both a ground and an aerial inspection of the structure.

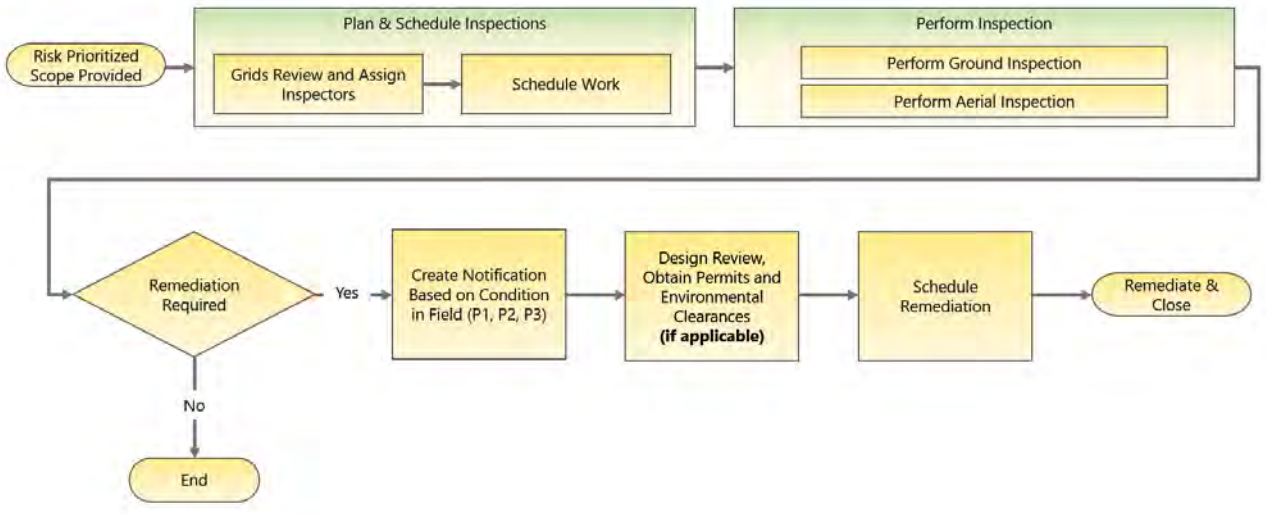
Figure SCE 8-24 - Transmission Missing Cotter Key (Drone Capture)

Distant	At Close Range
	

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program.

Below in Figure 8-1 b, is a relevant visual that depicts the workflow and decision process regarding transmission detailed inspections.

Figure 8-1 b - Transmission Detailed Inspections Workflow

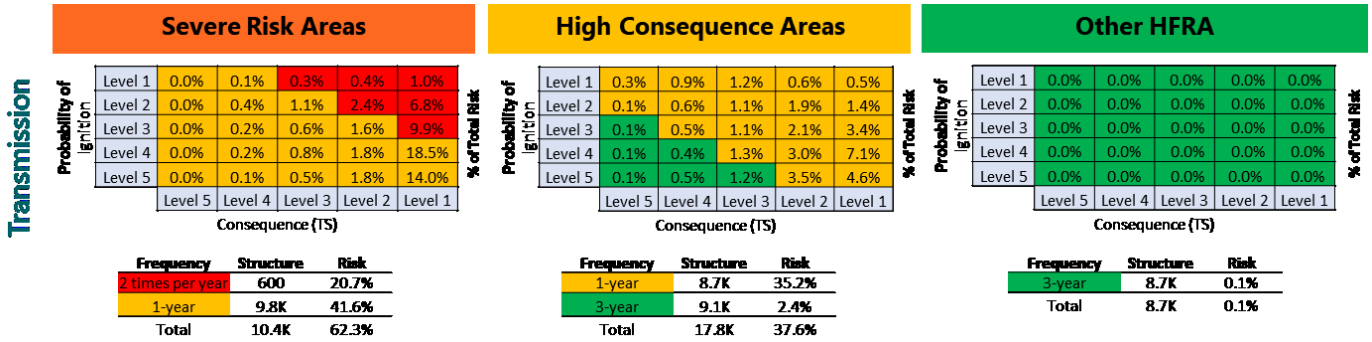


Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

SCE performs a detailed transmission inspection of its entire service area over the span of three years. As risk levels vary across SCE's HFRA, a targeted quantitative approach for transmission inspections is being deployed to balance risk reduction, resource availability, and costs. Structures are prioritized for inspection based on POI and consequence. SCE aligned 2023 inspection scope with the IWMS and incorporated the latest risk modeling while taking into account the resource requirements of potential emergent inspections throughout the year. Figure SCE 8-25 summarizes the frequency of Transmission structure inspections based on IWMS risk tranche. Transmission structures in Severe Risk Areas and those structures identified within an AOC will be inspected annually at a minimum and a portion of highest risk structures in the Severe Risk Areas will be inspected twice a year. Additionally, transmission structures in High Consequence Areas will either be inspected annually, or once every three years based on the risk-informed 5x5 Matrix as shown below in Figure SCE 8-25. All remaining lower risk transmission structures in the IWMS Other HFRA category will be inspected once every three years. Where an inspection in HFRA is scheduled to be performed for compliance reasons around the same time as SCE's risk analysis determines that an HFRI inspection should be performed, these inspection requirements are combined into one inspection. The transmission HFRI inspections and remediations frequency methodology is similar to distribution as described within Section 8.1.3.1 above. Please refer to that section for additional detail.

Figure SCE 8-25 - Visualization of Risk Analysis for Transmission



If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE utilizes a risk-informed strategy as described above to identify inspection scope and then schedules those inspections in HFRA to be performed before the peak of fire season. Additionally, SCE informs its schedule by prioritizing inspections in Summer AOCs areas to be completed for summer readiness and Fall AOCs areas to be completed for fall readiness.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

In 2022, SCE completed 17,542 transmission ground inspections and 17,133 transmission aerial inspections which exceeded the target of 16,000 (both ground & aerial). In addition, SCE initiated a more formalized process to incorporate field expertise in the development of the next yearly inspection scope. SCE supplemented the inspection scope informed by the risk models with input from Transmission Senior Patrolman who have field knowledge about asset and location conditions that may not be included in current models. Based on this analysis, SCE expanded the 2023 HFRI inspection annual scope. Field input not only helps us improve risk reduction, but also facilitates risk model validation and enhancements. This is a good example of frontline worker feedback of wildfire risk they see in the field.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

SCE rolled out a new inspection tool in 2022 (InspectForce) for Transmission ground and for Distribution and Transmission aerial inspections. SCE experienced challenges relating to logistics and access to bug fixes and desired enhancements. SCE's Transmission and Distribution execution teams worked very closely with SCE's IT department to prioritize fixes and enhancements and were able to stabilize the tool so that 2022 inspections could be effectively completed. This tool will bring together all core inspection programs into one inspection tool that will integrate into SCE's systems of record.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*[164]

In 2022, SCE began the new unified 360 approach for distribution inspections, which consisted of performing ground and aerial inspections for structures on the same visit. SCE is evaluating whether to implement a similar approach for transmission inspections in the future. Additionally, please reference Section 8.1.3.1 for the specialized T&D LiDAR program's accomplishments, current state and future plans for transmission.

Another update to our transmission inspection program is that SCE identified five transition span locations that require remediation to reduce ignition risk as part of wire-to-wire contact. Analysis of outage data indicated that transition span clashing accounts for 30% of outage events that were recorded in the "Other" primary driver category. High-risk transition spans, as shown below in

Figure SCE 8 are conductor spans on the transmission system where the conductor changes orientation from a horizontal configuration to a vertical configuration (or vice versa). In addition, transition spans are more susceptible to wire-to-wire contact under certain situations. These situations may include a high wind event or a vehicle-hit-structure where the wire-to-wire contact may create incandescent particles that could spark an ignition. This mitigation activities include

[164] In prior WMPs, SCE included a mitigation initiative (SH-13 – C-Hook Replacements) to proactively identify and remove C-Hooks from SCE's Transmission system and replace with hardware in SCE's current construction standard. SCE completed this proactive replacement program in 2022 and has since sunset the program. SCE maintains a question in its Transmission inspection form regarding the identification of C-Hooks, just to ensure all C-Hooks have been removed from SCE's system. Further, to the extent SCE acquires new transmission lines that contain C-Hooks, SCE intends to remove all C-Hooks prior to energizing those lines.

increasing conductor phase spacing by re-arranging the pole-head configuration, adding inter-set poles to decrease the span length, upgrading pole structures that will accommodate larger phase clearances, and installing line spacers to reduce risks where transition spans are identified. To identify high-risk transition spans, SCE revised the inspection survey form to include a question on the location of transition spans and to then SCE's engineering team will perform additional analysis on those locations.

Figure SCE 8-26 - Example of Transition Span

8.1.3.3 Distribution Patrols Inspections

Process

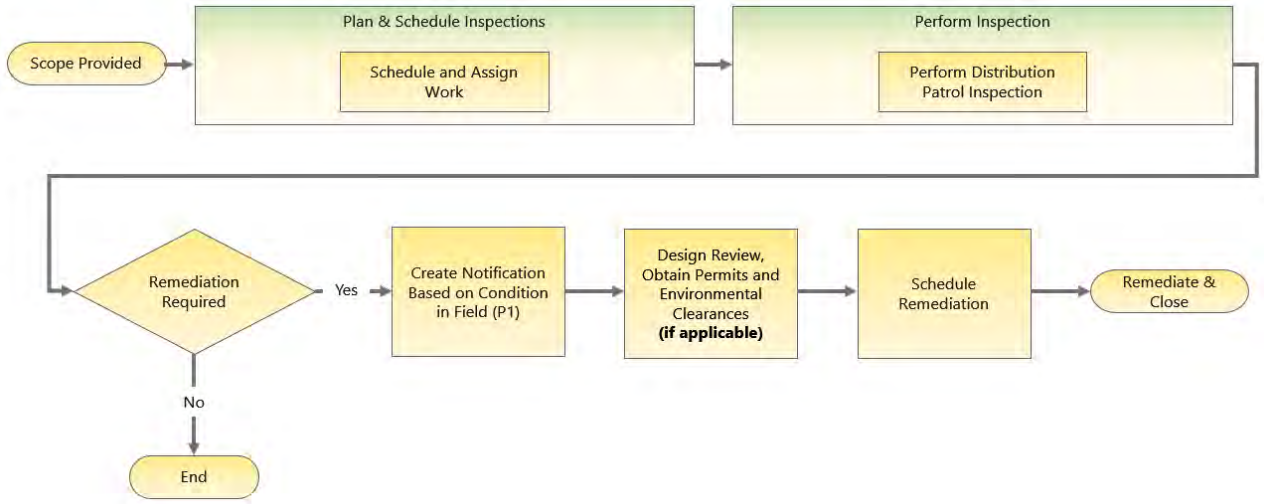
In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

SCE performs patrol inspections of SCE's overhead distribution electric system in compliance with GO 165. A patrol inspection is a simple visual inspection that is designed to identify obvious structural problems or hazards. GO 165 requires SCE to perform an annual patrol inspection of all overhead distribution electric assets that are in SCE's HFRA. Annual grid patrols inspections provide SCE an additional opportunity to identify P1 conditions that may have occurred since the last inspection.

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program.

Below in Figure 8-1c, is a relevant visual that depicts the workflow and decision process regarding distribution patrol inspections.

Figure 8-1c - Distribution Patrol Inspections Workflow



Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

Annual Patrols are performed on all above ground structures, overhead conductors and equipment, as well as entryways to subsurface enclosures and vaults throughout SCE's service area. Additionally, in 2021 SCE introduced the concept of a Fall AOCs pre-patrol as a component of the AOCs effort to prepare for peak fire season. The Fall AOCs pre-patrol consists of a vehicle-based (where possible) patrol which looked for P1 conditions, mid-span clearance conditions (e.g., vegetation in lines or potential wire slap) and Communication Infrastructure Provider (CIP)/third party hazardous conditions.

If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE schedules its annual grid patrols in HFRA to be completed in the first half of the year in order to be performed prior to the summer months. SCE's Fall AOCs pre-patrols are scheduled to be completed prior to peak fire season.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

SCE completed patrol inspections of all distribution grids (which includes HFRA), and associated structures, in 2022.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

SCE encountered access issues with certain distribution assets performing this inspection program in 2022. To mitigate, SCE utilized helicopters to perform the inspections aerially.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

Since 2022, SCE engaged contractors to perform all grid patrol inspections to free up capacity for inspectors to focus on detailed inspections. There are no current plans for additional changes or improvements going forward; however, SCE will continue to evaluate the methods and data collections tools to improve the efficiency and risk mitigation opportunities of patrol inspections.

8.1.3.4 Transmission Patrols Inspections

Process

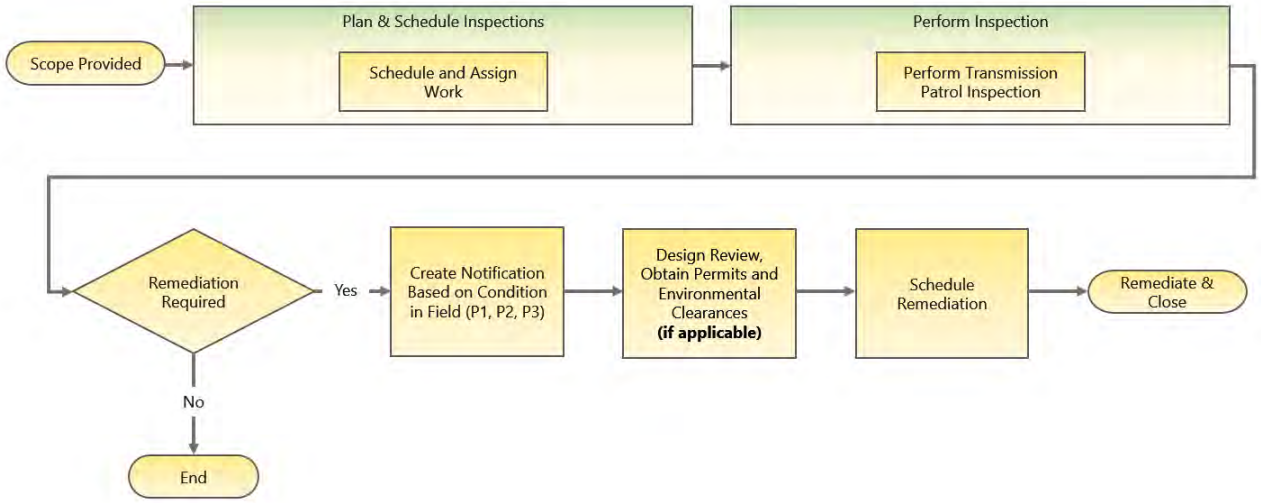
In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

This program is part of SCE's portfolio of inspection activities. SCE performs patrol inspections of SCE's overhead transmission electric system in compliance with GO 165, NERC, WECC rules and regulations and CAISO's Transmission Control Agreement. A patrol inspection is a simple visual inspection that is designed to identify obvious structural problems or hazards associated to the structure.

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program.

Below in Figure 8-1d is a relevant visual that depicts the workflow and decision process regarding transmission patrol inspections.

Figure 8-1d - Transmission Patrol Inspections Workflow



Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

SCE performs routine patrol inspections of all circuits in SCE's service area annually and performs detailed patrol inspections every three years. Patrols are visual inspections and are done inside and outside of SCE's HFRA. The more detailed HFRI inspections are often done at the same time as patrols, with structures in that scope getting a more comprehensive inspection than the patrol provides. Additionally, in 2021 SCE introduced the concept of a Fall AOCs pre-patrol to prepare for peak fire season. The Fall AOCs pre-patrol consists of a vehicle-based (where possible) patrol which looked for P1 conditions.

If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE aligns its patrol schedules based on compliance dates and optimizes scheduling where possible with transmission HFRA detailed inspections when the scope of the two programs overlap. Additionally, the Fall AOCs pre-patrols are scheduled to be completed prior to peak fire season.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

SCE completed patrol inspections of all transmission and sub-transmission circuits (which includes HFRA), and associated structures, in 2022.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

SCE did not experience any roadblocks when implementing this inspection program in 2022.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

Changes to the program scope or approach are not planned at this time. SCE plans to perform patrol inspections each year from 2023 to 2025 in alignment with previous years and in accordance with regulatory requirements.

8.1.3.5 Distribution Infrared (IR) Inspections (IN-3)

Process

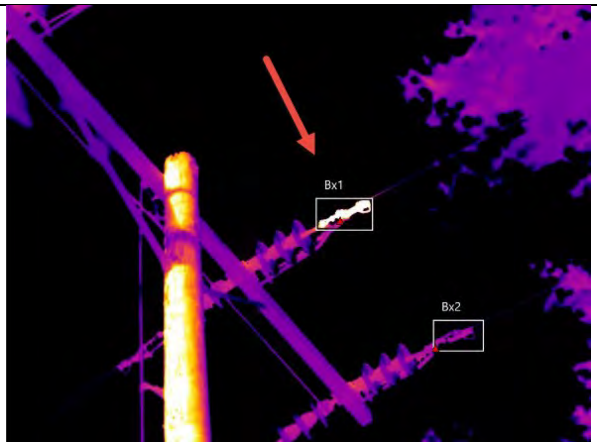
In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

SCE evaluated the need for infrared (IR) inspections on its distribution circuits and found that these inspections offer a substantial benefit beyond standard visual inspections. SCE had benchmarked methods to evaluate distribution overhead lines and learned that using IR technology to detect thermal differences and identify hot splices and connectors can be leading indicators of asset failure. SCE piloted IR inspections of energized distribution lines and equipment in 2017 and 2018 to help reduce the risk of conductor failure. Following the pilot, SCE deemed it prudent to inspect all distribution facilities in HFRA over a two-year cycle using IR technology.

The IR scan can detect temperature differences between components and identify heat signatures of components called “hot spots,” that may indicate deterioration in structures and equipment not visible to the naked eye. Most inspections have been performed from ground vehicles; however, a small percentage of the inspections require the inspector to hike to the structure or perform the inspection from a helicopter.

IR inspections can detect conditions that may indicate a wide range of anomalies, including, but not limited to, failing switch and fuse contacts, poor connections, loose bushings, overloaded/failing transformers, and other issues that can result in component failure. These conditions are often not visible to the human eye and can go undetected during detailed visual inspections as shown below in Figure SCE 8-27.

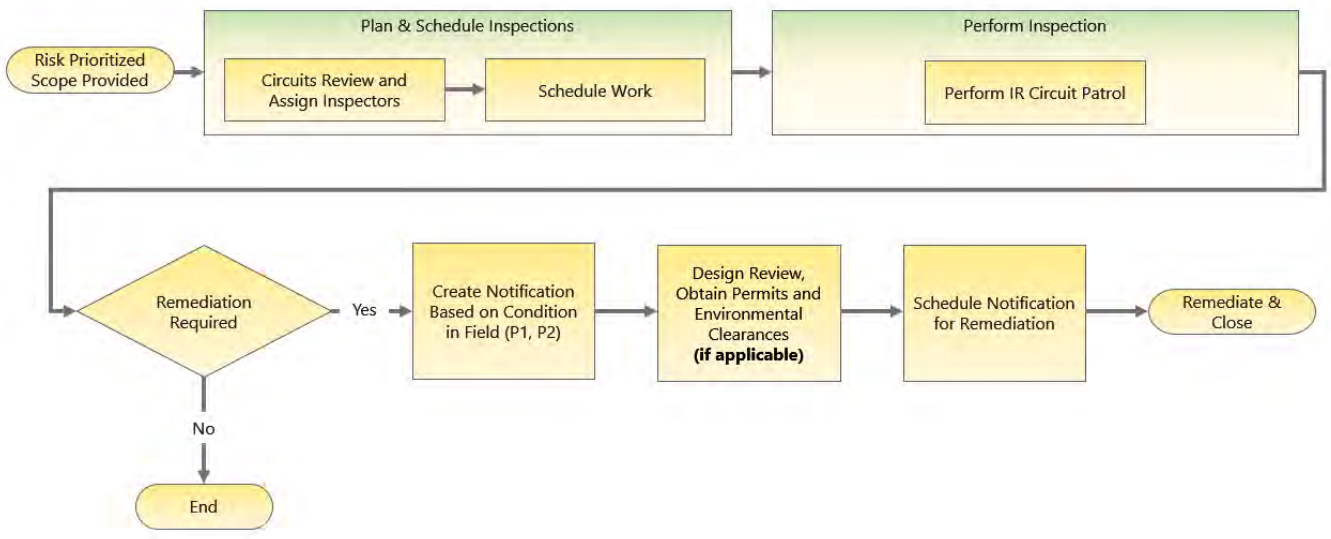
Figure SCE 8-27 - Distribution Infrared (IR) Inspection of a 16kV Circuit

Standard Imagery	Thermal Imagery
	

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program.

Below in, is a relevant visual that depicts the workflow and decision process regarding distribution infrared (IR) inspections.

Figure 8-1e - Transmission Patrol Inspections Workflow



Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

SCE will continue to perform IR scans on overhead distribution equipment throughout SCE's territory within HFRA from 2023 through 2025. Circuits within Tier 3 (extreme fire threat) and Tier 2 (elevated fire threat) are grouped by district and then prioritized by relative risk. Risk for each district is calculated by multiplying the POI by the Technosylva consequence, and then aggregating the risk scores of each structure in the district. District risk scores are ranked highest to lowest and are then scheduled accordingly. Since 2023 is the first year of the two-year cycle, SCE also incorporated IWMS in the prioritization analysis. The districts selected to be inspected annually were not only the highest risk, but also had large portions of their circuits that were within High Consequence Areas and Severe Risk Areas. From 2023 to 2025, following this methodology, SCE plans to inspect a total of approximately 5,300 distribution circuit miles annually within HFRA; the circuits in the highest risk districts will be inspected annually and the remaining circuits every other year.

If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE inspects the highest risk districts annually with the remaining scope approximately being split evenly and inspected every two years. The inspections are optimized and scheduled around the summer months to best recognize peak loading and temperatures of SCE's equipment.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

For 2022, the second year of the two-year cycle, SCE inspected the remaining overhead distribution circuit miles in HFRA which included 4,408 miles.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

SCE encountered issues relating to truck access (e.g., rural areas, secured areas, etc.) which were circumvented by performing the inspections from a helicopter. In addition, due to seasonal constraints (e.g., inclement weather) some inspections were re-scheduled to a different period of the year.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

Since SCE's 2022 WMP Update, changes have included optimizing the program schedule to balance risk coverage across each year while distributing mileage equivalently across both years. Additionally, in 2023, SCE will plan and schedule the distribution infrared inspections, where operationally efficient, to be conducted May through September to take advantage of expected higher loading during those months which could result in better conditions to identify hot spots.

8.1.3.6 Transmission Infrared (IR) and Corona Scan Inspections (IN-4)

Process

In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

In the first quarter of 2019, SCE launched the Transmission IR & Corona Scanning program. Specialized infrared and ultraviolet (Corona) light cameras are mounted to helicopters, which inspect the line, with special attention paid to splices, conductor connection/attachment points, and insulators. SCE utilizes internal resources to conduct all aspects of the IR and Corona inspections.

Similar to the distribution infrared inspection protocol, the IR scan detects temperature differences and heat signatures of components, which may indicate problems that could result in component/conductor failure. Corona scanning is a technology that is only being used on transmission circuits in HFRA as certain anomalies (e.g., insulator failures) are not as common on distribution circuits.

Corona detection is accomplished by identifying ultraviolet energy, which is generated by electric discharge or "leakage" due to the ionization of air surrounding high voltage electric components. In some cases, the "leakage" is substantial enough that it may result in an arc flash and potential ignition. The Corona image identifies a conductor that has broken strands by showing the ultraviolet energy that is generated by electric discharge. It is very difficult to identify this type of issue with conventional photographs. Figure SCE 8-28 below shows an example of a defect that was captured by a Corona scan that could not be detected during a visual or IR inspection. Helicopters (see Figure SCE 8-29 below) are used for these inspections due to the long distances between structures and because these assets are frequently located on rugged terrain.

Figure SCE 8-28 - Midway-Vincent No 1 & No 2 500kV Lines

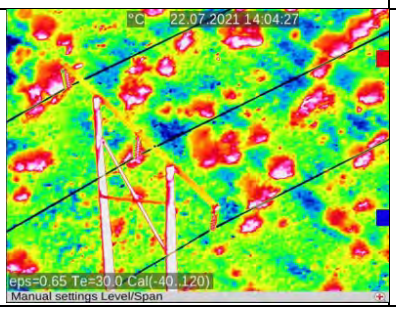
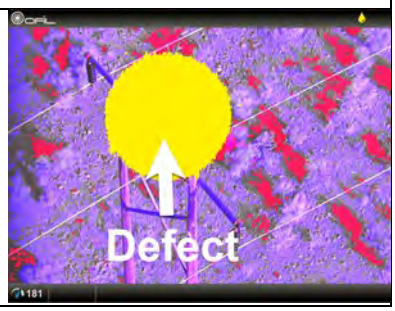
Visual	Infrared (IR)	Corona Scan
		

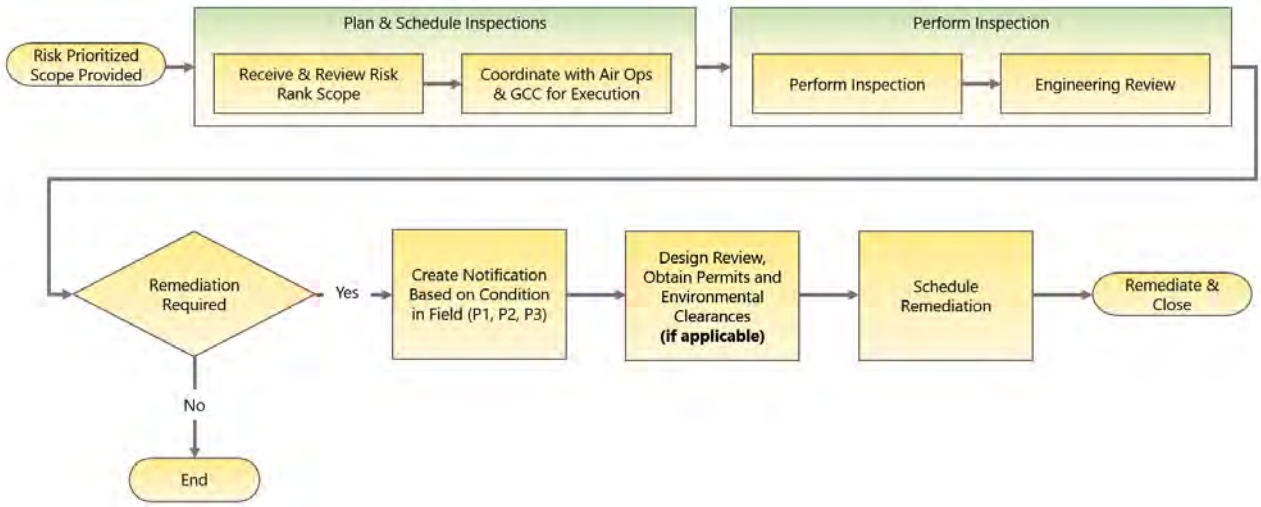
Figure SCE 8-29 - SCE Helicopters

SCE Helicopter	Mounted with IR & Corona Camera

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program. (see the example in Figure 8-1f).

Below in Figure 8-1f, is a relevant visual that depicts the workflow and decision process regarding transmission infrared (IR) and Corona scan inspections.

Figure 8-1f - Transmission Infrared (IR) and Corona Scan Inspections Workflow



Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

The Transmission IR & Corona Scanning program uses a risk prioritized method with consideration given to HFRA circuit miles and circuits completed in the previous year. The circuits are risk assessed by their probability of ignition and consequence levels and then prioritized by their calculated risk score. The circuits inspected in the previous year are removed from the priority list unless identified as one of the highest risk circuits utilizing POI and Technosylva.

Finally, the scope is chosen by identifying the remaining circuits that should be inspected to inspect approximately 1,000 HFRA circuit miles annually with this program. 1,000 annual miles allows SCE to inspect all transmission circuit miles roughly every five years while also targeting higher risk circuits more frequently.

If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE inspects the highest risk circuits annually with the remaining scope on a five-year review cadence which distributes the risk proportionally each year. The work is executed in an operationally efficient manner, taking into account weather conditions, circuit loading, outages and the proximity of other circuits.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

In 2022, SCE exceeded its WMP target of completing 1,000 circuit miles by completing 1,075 miles.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

SCE did not experience any roadblocks in implementing this inspection program in 2022.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

Since SCE's 2022 WMP Update, there have been no changes to this inspection program. SCE will continue to evaluate the results of this program to determine appropriate scope and methods for this activity going forward. Starting in 2023, SCE will investigate the most ideal way to align the Transmission Infrared risk methodology with IWMS.

8.1.3.7 Generation Inspections (IN-5)

Process

In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

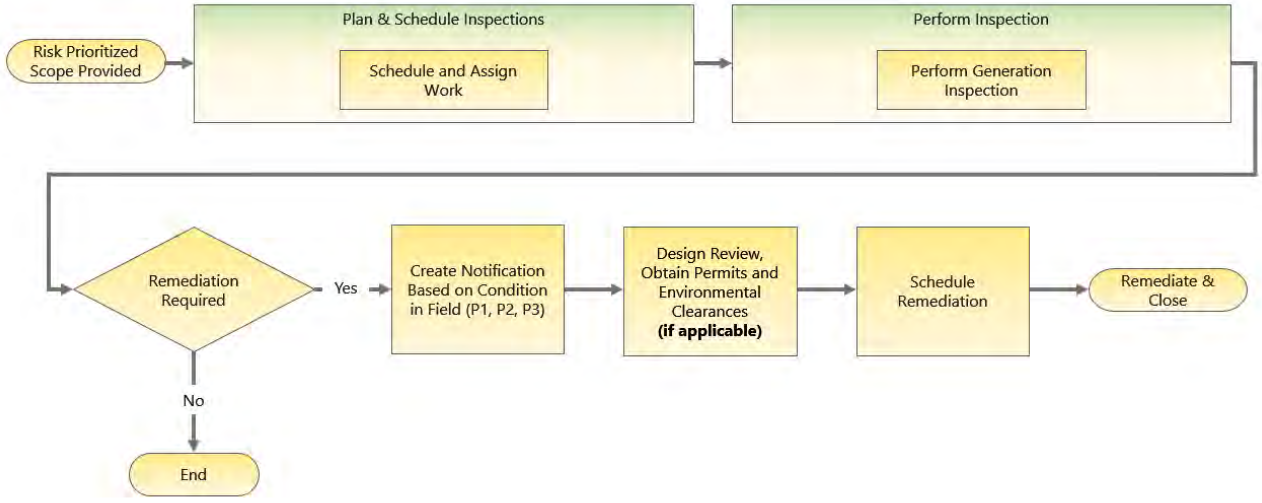
In 2019, SCE began performing wildfire inspections on all electrical lines to align with the EOI/HFRI initiative that began in late 2018 for transmission & distribution, equipment, and overhead wiring associated with generation infrastructure, including secondary and control lines feeding ancillary generation assets in HFRA. These inspections included ignition-focused assessments of low-voltage ancillary assets and their associated overhead lines, supporting structures, and any exposed wiring and/or threats from vegetation that require additional mitigation. In 2020 and 2021, SCE continued to inspect generation-related assets and worked towards integrating wildfire related inspections into existing routine equipment and operations inspections to streamline field efforts.

From 2023 to 2025, SCE is continuing its inspection program of relevant generation-related assets in HFRA, including powerhouses, substations, and low-voltage ancillary assets to identify needed remediations to reduce the risk of wildfire ignition. SCE's generation facilities in HFRA are often located in or near heavily forested areas; ignitions related to these facilities could lead to substantial wildfire risk. Once asset deterioration or other corrective actions are identified during inspections, remediations of these conditions are intended to reduce the probability of faults and potential ignitions.

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program. (see the example in Figure 8-1g).

Below in Figure 8-1g is a relevant visual that depicts the workflow and decision process regarding generation inspections.

Figure 8-1g - Generation Inspections Workflow



Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

The frequency of generation HFRI inspections is based on each asset's calculated risk, based on POI and Technosylva consequence. SCE inspects 75% of the risk associated with these generation facilities on an annual cadence. The remaining 25% is lower risk and is divided equally over a two-year cycle. This allows SCE to inspect approximately 88% of the risk associated with these facilities on a yearly basis. Generation HFRI inspections are performed on a two-year cycle utilizing the same risk methodology each year and which allows SCE to inspect every generation asset during the cycle. In 2022, SCE began the first year of the two-year cycle. In 2023, SCE will continue with the second year of the two-year cycle.

If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

Generation inspections are scheduled to be executed in an operationally efficient manner, which considers weather conditions and geographical location and are completed before peak fire season.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

SCE exceeded its 2022 WMP target of inspecting 190 assets by completing 222 asset inspections.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

SCE encountered some inclement weather while implementing the inspection program in 2022; however, SCE was able to overcome this roadblock by rescheduling the affected inspections to different periods of the year when weather was more favorable.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

Starting in 2024, SCE will investigate the most ideal way to align the generation risk methodology with IWMS. In addition, SCE will continue to monitor the asset inspections performed as well as the notifications found and should any trends or opportunities for improvement be identified, will seek to implement those as quickly as possible.

8.1.3.8 Transmission Conductor and Splice Assessment (IN-9)

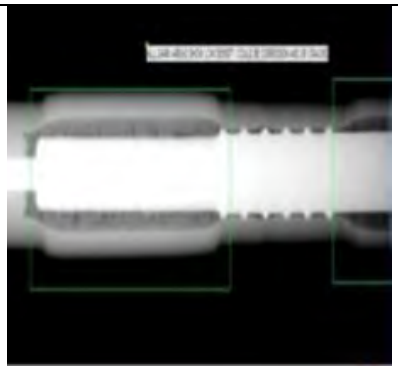
Process

In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

SCE is continuing its transmission conductor and splice assessment methods (LineVue and X-Ray) in HFRA to complement existing inspection processes. SCE identified 87 transmission wire down events that occurred from 2015 to 2022[165] throughout the SCE service territory, with most failures attributed to conductors and splices.[166] Conductors and splices can fail due to age, weather, contact from object, and other factors that can lead to wires down. To reduce transmission conductor wire down events, SCE is using transmission conductor and splice assessment methods to identify anomalies and any underlying issues in order to replace or remediate conductors and/or splices that have a higher probability of failure. In addition, these methods help capture issues that may not be visibly apparent to the human eye or other inspection technologies. To the extent possible, SCE will coordinate LineVue and X-Ray on the same outage.

LineVue and X-Ray, as shown below in Figure SCE 8-30, were chosen for their enhanced inspection methods of finding anomalies which are not apparent or visibly exposed.

Figure SCE 8-30 - Transmission Conductor and Splice Assessment

LineVue	**X-Ray**
	
Utilizes a magnetic flux to detect the degradation of the steel core of the conductor.	Takes an internal image of the splice, which is used to determine degradation due to corrosion/improper installation.

LineVue determines the deterioration of the cross-sectional area of the conductor steel core and detects any localized breaks or corrosion pits on the steel wires and loss of zinc galvanized layer. LineVue inspections are more effective than visual inspections in identifying these issues given the difficulty in seeing internal issues. *Figure SCE 8-31* below shows an example of a LineVue inspection being

[165] 2022 will be an historical year when SCE files the WMP in 2023.

[166] A wire down event is considered a risk to the public due to being on the ground or within eight feet of the ground.

performed on a transmission line.

Figure SCE 8-31 - LineVue Inspection

Distant	At Close Range

X-Ray is used on conductor splices to verify proper installation as well as identify broken strands or deformities. X-Ray inspections are more effective than visual inspections in identifying these issues given the difficulty in seeing internal issues or improper termination installations.

Figure SCE 8-32 below shows an example of an x-ray inspection being performed on a transmission line. In addition, Figure SCE 8-33 below shows an example of an anomaly identified during an x-ray inspection that otherwise could not be captured visually.

Figure SCE 8-32 - X-Ray Inspection

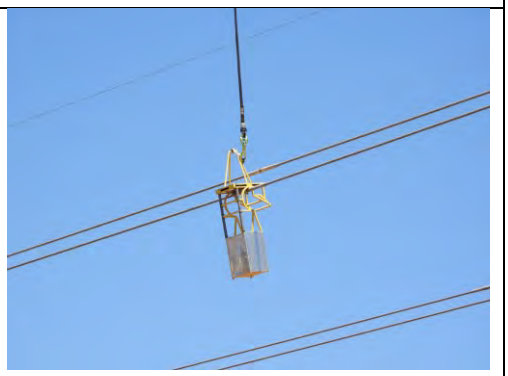
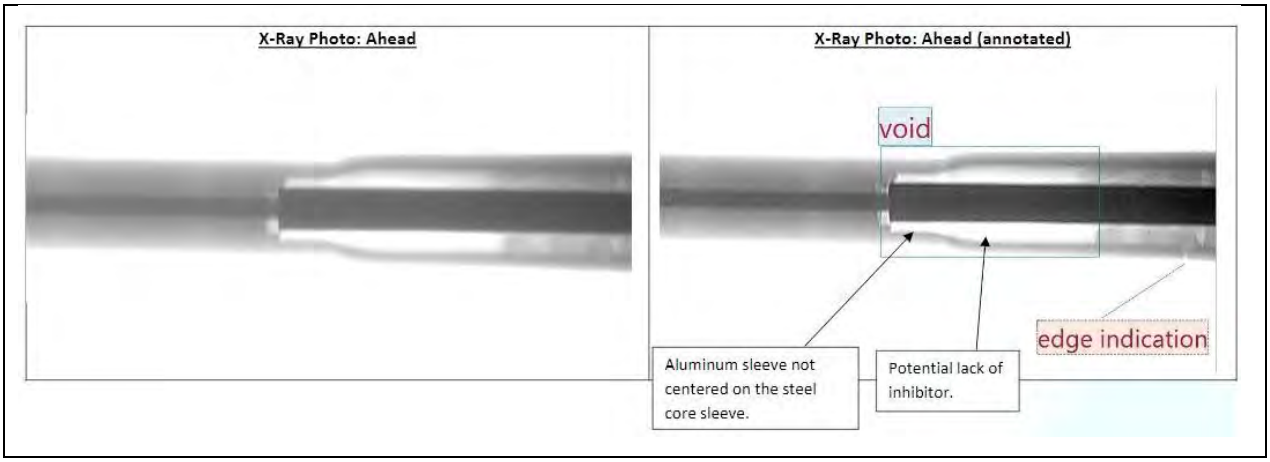
Distant	At Close Range
	

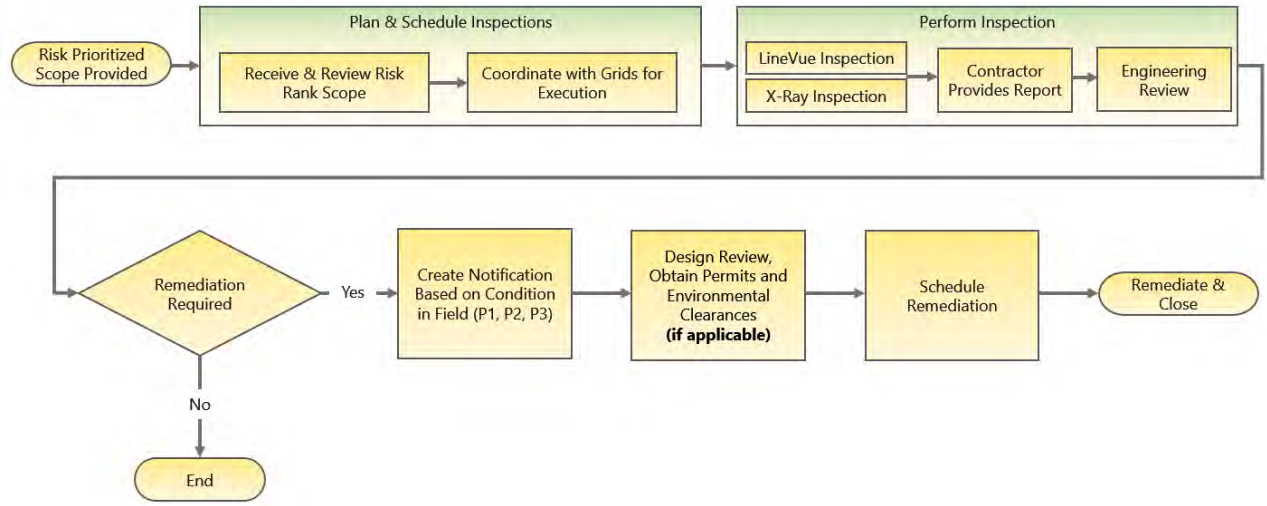
Figure SCE 8-33 - Anomaly Identified During X-Ray Inspection



Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program.

Below in Figure 8-1h is a relevant visual that depicts the workflow and decision process regarding transmission conductor and splice assessment.

Figure 8-1h - Transmission Conductor and Splice Assessment Workflow



Frequency or Trigger

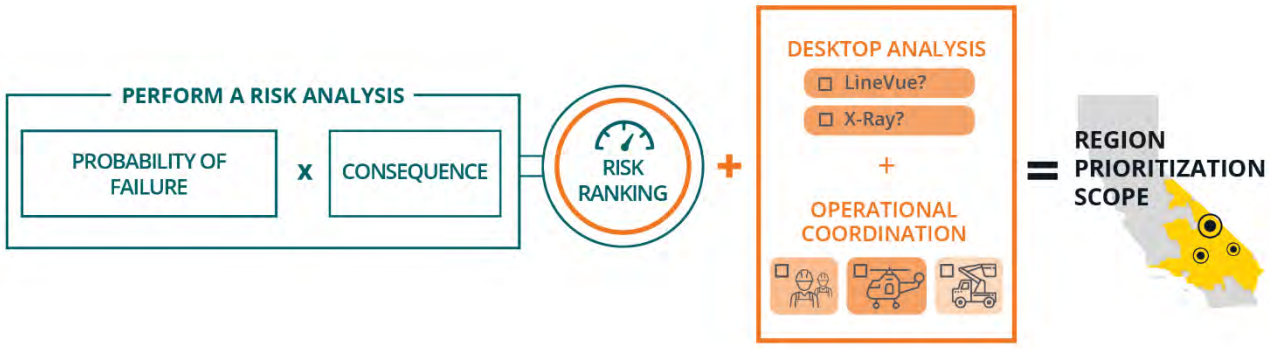
In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

As outlined below in Figure SCE 8-34, SCE developed a risk methodology to evaluate risk across

transmission structures to help prioritize transmission inspections. This methodology utilizes various data elements, including structure age and location, circuit loading, splice count, conductor type, outage data, and repair notifications. SCE then incorporated Technosylva consequence impacts and an environmental multiplier composed of atmospheric corrosivity and historical fire maps to calculate and rank risk across assets.

In 2023, inspections will be prioritized in the order of the risk ranking by structures, followed by a desktop analysis to determine whether LineVue or X-Ray should be utilized. For example, X-Ray is only performed on splices. Coordination is then needed with SCE's Air Operations team to determine availability of helicopters to perform LineVue and/or X-Rays as well as outage availability. Finally, a field inspection is performed with either LineVue or X-Ray to identify if any anomalies or underlying issues are present. While locations for LineVue and X-Ray are selected based on risk analysis, consideration is also given to operational feasibility and locations that offer specific learnings.

Figure SCE 8-34 - Transmission Conductor and Splice Prioritization



If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

As described above, the transmission conductor and splice assessment program utilize risk prioritization to identify its scope. SCE prioritizes mitigations and to the extent possible leverages work bundling on existing planned outages to minimize the potential reliability and customer impacts.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

In 2022, SCE inspected 79 spans with LineVue, 63 splices with x-ray and obtained six conductor samples which exceeded the targets of 75 spans, 50 splices and 5 conductor samples respectively.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

The LineVue and x-ray inspection methods can technically be performed while the transmission line is either energized or de-energized; however, due to safety and qualification requirements (e.g., helicopter and crew training), SCE chose to schedule most of the inspections while de-energized. To mitigate this challenge, SCE is looking to obtain additional training and equipment to perform these inspections while energized safely.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

Since the 2022 WMP update, SCE is no longer obtaining conductor samples due not being able to obtain viable samples within the field without potentially adding risk into the system. In addition, as a result of the 63 splices x-rayed four P1s, 20 P2s and 10 P3s were identified. The high find rate of P1s, P2s and P3s compared to the number of x-rays conducted validated the continuation of this inspection program into 2023. SCE will continue to monitor the find rate and should it continue to remain high, more proactive mitigations will be considered in the future. Starting in 2023, SCE will investigate the most ideal way to align the transmission conductor & splice assessment risk methodology with IWMS.

8.1.3.9 Intrusive Pole Inspections

Process

In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

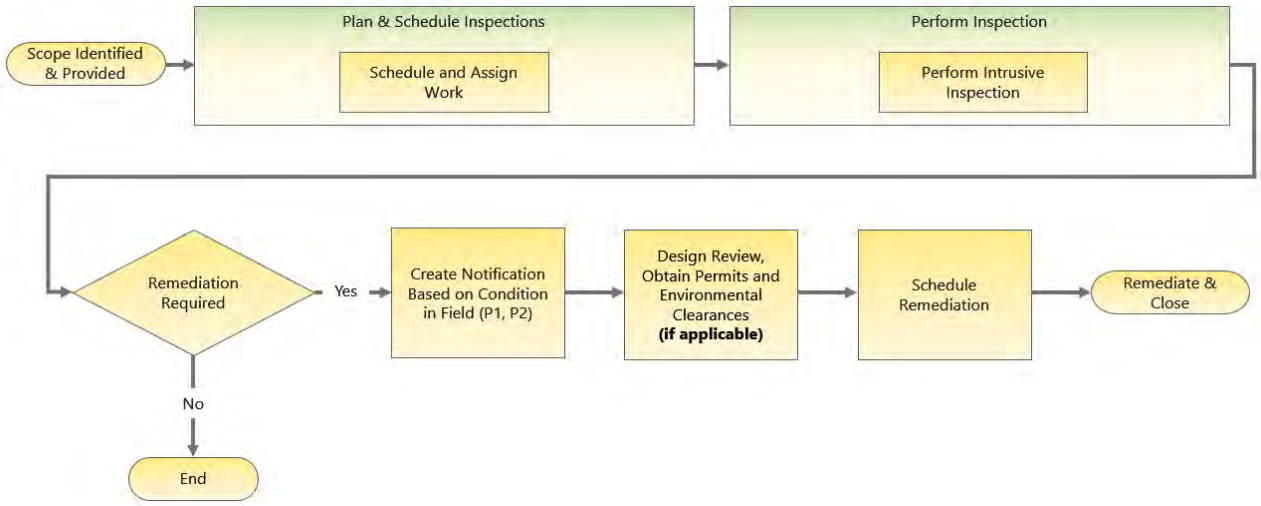
SCE performs intrusive pole inspections (IPI) in compliance with GO 165. The strength of wood poles can diminish over time due to insect infestation or material deterioration, increasing the probability of structure failure, which is a safety hazard given the electrical equipment supported by the poles and proximity of these poles to the public.

The IPI program is a preventative program designed to identify deteriorated poles within HFRA and non-HFRA that may require remediation to meet with GO 95 requirements, while maintaining the safety of personnel, public, and environment. The IPI program was established in accordance with GO 165 to evaluate SCE's wood poles using visual and internal examination of the poles (by drilling into the pole and testing the extracted wood) to identify damage or decay, analyze the remaining strength of the pole, and determine if remediation is required. As an industry practice approved by the Commission, the program performs remedial treatments during intrusive inspections to prevent poles from deteriorating and to extend the useful lives of the poles.

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program.

Below in Figure 8-1i, is a relevant visual that depicts the workflow and decision process regarding intrusive pole inspections.

Figure 8-1i - Intrusive Pole Inspections Workflow



Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

SCE utilizes a 10-year inspection cycle using a grid-based approach to maintain operational and resource allocation efficiencies and is in line with industry practices and benchmarking. This inspection cadence is more frequent than what is generally required in GO 165. Small portions of annual work are prioritized to address constrained poles that SCE was unable to inspect previously for various reasons (e.g., unable to access and/or obstructions). Additionally, GO 95 Rule 44.2 informs ad hoc inspections that are performed through the IPI program annually.[167]

If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE utilizes a 10-year grid approach to maintain operational and resource allocation efficiencies and compliance throughout the system. Small portions of annual work are prioritized to address constrained poles unable to be inspected previously for various reasons (e.g., unable to access and/or obstructions). By aligning with a 10-year cycle, SCE is able to help ensure that decay rates do not increase for local

[167] Rule 44.2 of GO 95 mandates that pole loads calculated in anticipation of additional construction incorporate the results of an intrusive inspection completed within the previous 5 years for wood poles older than 15 years.

conditions.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

SCE's find rate for the IPI program is decreasing due to the preventative maintenance program which identifies deteriorated poles prior to failure and speaks to the health of poles throughout SCE's service territory.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

In 2022, SCE experienced roadblocks, such as access issues and obstruction at the base of the pole within HFRA. In order to address this, SCE worked through customer notifications, appointments, and removal of customer-built obstructions and will continue to work through any outstanding obstacles to obtain the inspection results.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

In 2023, SCE will continue evaluating performance and scope identifications of the IPI program through ongoing asset performance and risk prioritization analysis. This includes investigating historical data concerning poles that are selected for remediation and identifying reasons for failure. This will help SCE ensure that it is installing the right pole type in the grid, and reducing foreseeable failure (e.g., replacing wood with non-wood poles where damage is caused by woodpecker activity).

8.1.3.10 Substation Inspections

Process

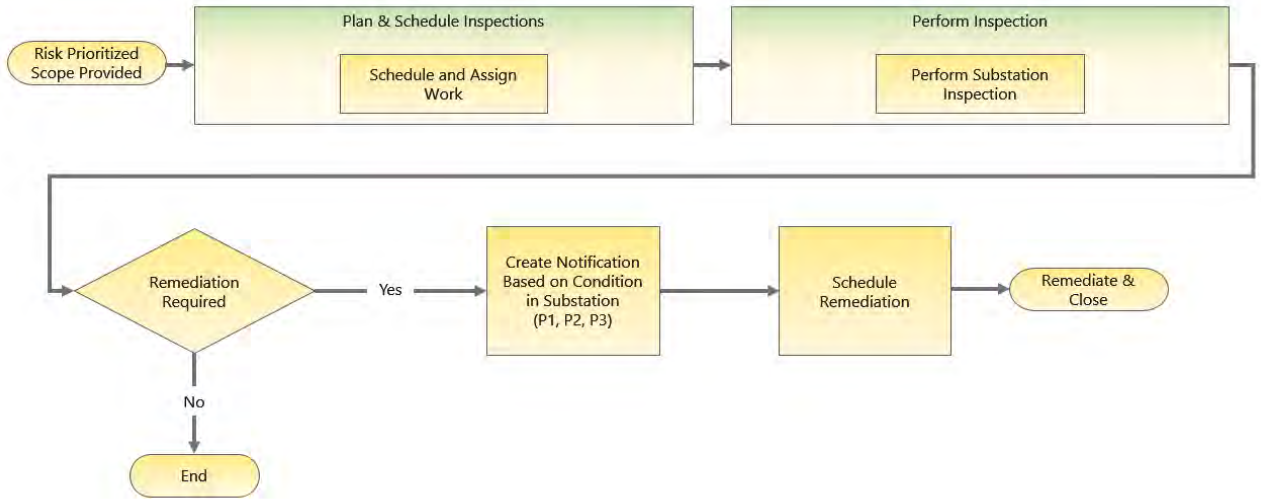
In this section, the electrical corporation must provide an overview of the individual asset inspection program, including inspection criteria and the various inspection methods used for each inspection program.

In 2020, SCE performed a study to help identify potential sources of ignition from major substation assets and develop recommendations for substation equipment inspections and maintenance. This study concluded in 2020 and recommended three actions in the inspection space: continue the installation of Circuit Breaker Online Monitoring (CBOLM), prioritize inspections of oil-filled CBs in HFRA substations through the Oil Circuit Breaker Analysis (OCBA) program, and increase Predictive Maintenance Assessment (PMA) inspections on approximately 40 HFRA substations identified in the Failure Mode & Effects Analysis (FMEA). In 2021, SCE developed plans to perform this work, and began executing that year.

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program.

Below in Figure 8-1j, is a relevant visual that depicts the workflow and decision process regarding substation inspections.

Figure 8-1j - Substation Inspections Workflow



Frequency or Trigger

In this section, the electrical corporation must identify the frequency (including how frequency may differ by HFTD Tier or other risk designation[s]) or triggers used in the inspection program, such as inputs from the risk model.

For these programs, substations located within HFRA boundaries are given priority. Within the OCBA program, priority is first given to the HFRA equipment, although equipment condition, diagnostic results and/or known issues will also be taken into consideration when assessing priority order. Regarding PMA, priority is given to the HFRA substations identified within the FMEA. For CBOLM, prioritization is given to HFRA substations, followed by larger/more critical distribution voltage substations, especially those with elevated number of interruption events, and finally by transmission voltage stations.

In 2022, SCE increased the frequency of PMA inspections from three and five years (depending on the substation) to a consistent two-year cycle for approximately 40 HFRA substations identified through the FMEA. SCE will also continue the installation of CBOLM devices as well as prioritizing existing oil equipment inspections through the OCBA program.

If the inspection program is schedule-based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE schedules PMA inspections based on which substations were identified within the FMEA. The substations within HFRA are then inspected every two years. For OCBA, prioritization is given to circuit breakers located in HFRA substations. For CBOLM, SCE is installing Circuit Breaker On-Line Monitors (CBOLM) at substations in HFRA to enable collection of real time circuit breaker operational health data during all normal and fault-clearing circuit breaker operations. When this real-time operational health data shows slowing or other operational risk, emergent maintenance is immediately triggered by a back-end server to activate crews to perform corrective maintenance.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

- *Noteworthy accomplishments for the inspection program since the last WMP submission*

SCE completed its target of inspecting all substations that were originally identified within the FMEA by June 2022.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks*

SCE did not encounter any roadblocks while implementing the program for substation inspections in 2022.

- *Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

In 2022, SCE increased the frequency of PMA inspections from three to five years to a two-year inspection cycle for 37 HFRA substations. Substation inspection scope decreased to 37 substations; Topanga substation, which is out of service and Isabella and Tengen substations were omitted from the inspection cycle list due to not meeting the risk criteria. SCE will incorporate any lessons learned in its deployments of this new frequency in the future.

8.1.4 Equipment Maintenance and Repair

In this section, in addition to the information described above regarding distribution, transmission, and substation inspections, the electrical corporation must provide a brief narrative of maintenance programs. As a narrative, the electrical corporation must include its strategy for maintenance, such as whether the electrical corporation replaces or upgrades facilities/equipment proactively (for example, an electrical corporation may monitor dissolved gases in its transformers to detect potential transformer failures to alert engineering and maintenance personnel or component lifecycle management) or if it runs its facilities/equipment to failure.

SCE maintains a robust infrastructure replacement (IR) program across its service area. Infrastructure replacements are typically: (1) unplanned, to address in-service failures; (2) planned, based on inspections; or (3) planned, based on engineering and data analysis. SCE's infrastructure replacement programs discussed in this section are not wildfire driven, but rather driven by maintaining a safe and reliable electric distribution system.

The narrative must include, at minimum, the following types of equipment:

- *Capacitors*

Transmission

Not applicable as SCE currently does not have capacitors on the transmission system.

Distribution

The distribution capacitor bank replacement program replaces or removes failed distribution capacitor banks and their associated capacitor switches. Each capacitor bank is comprised of capacitor units, fuses, a rack, and mounting hardware. For switched capacitor banks, capacitor switches and a capacitor control are also included. Capacitor banks are identified for reactive replacement through either cyclic or ad hoc field inspections. Capacitor data points are collected on a survey while aerial and/or ground inspections are being performed.

Substation

SCE substation capacitor banks are on a condition-based program, which entails periodic thermal and visual inspection and analysis by the Predictive Maintenance Assessment group. Also, SCE performs proactive maintenance, which involves a period inspection on equipment by operators. If an issue is identified, it is documented and reported to Maintenance personnel and further investigation of the issue is performed.

- *Circuit breakers*

Transmission

Not applicable as these are substation equipment.

Distribution

Not applicable as these are substation equipment.

Substation

SCE has multiple programs to mitigate risks related to circuit breaker failures. SCE health scores all circuit breakers from bulk electric system (BES) voltage down to distribution customer circuit voltage. Our maintenance and inspection programs monitor and maintain circuit breaker conditions. The substation infrastructure replacement (IR) program replaces aging circuit breakers preemptively before they reach the end of their usable lives. The Substation Equipment Replacement Program (SERP) replaces overstressed circuit breakers. Both programs regularly interact to review forecast and bundle projects for cost effective implementation. These mitigations are intended to reduce the number of circuit breaker failures, which in turn reduces the associated reliability and safety risks. SCE also proactively tries to mitigate unplanned events by the utilization of the health index tool for circuit breakers. This takes input from SCE's substation Condition Based Maintenance (CBM) programs which are designed for the ongoing identification, prioritization, and quantification of condition assessment performed on a recent asset.

- *Connectors, including hotline clamps*

Transmission

As part of SCE's Transmission Overhead Re-conductor Program (ORCP), hardware, and associated components including connectors will be replaced as a result of reconductoring, Additionally, while performing inspections conditions found to need repair will be documented and remediated.

Distribution

As part of SCE's OCP, hardware and associated components including connectors will be replaced as a result of reconductoring. Additionally, while performing inspections conditions found to need repair will be documented and remediated.

Substation

Not applicable as SCE currently does not have a designated replacement program.

- *Conductor, including covered conductor*

Transmission

The ORCP replaces transmission conductor, to reduce the likelihood of risk events, such as wire downs, by replacing overhead segments with new conductor. Additionally, while performing inspections conditions found to need repair will be documented and remediated.

Distribution

The OCP is the primary vehicle for the proactive replacement of overhead conductor outside of High Fire Risk Areas (HFRA). OCP is a risk-informed program that proactively replaces high-risk conductor segments and includes the installation of protective devices as needed. To further optimize the program, SCE uses a risk analysis that considers factors such as consequences of a wire down event in areas with a high degree of public safety.

This program aims to prevent failures that can lead to wire down events by replacing conductor that is more resilient to fault events and reduces the number of faults. OCP also replaces problematic conductor segments that have been spliced or damaged with larger more resilient conductor to improve system integrity and to reduce the number of potential wire downs.

Substation

The Copper Wire Replacement program replaces aging copper communication cable with fiber optic cable to preserve the reliability of grid protection and grid operations circuits and provides more bandwidth for increasing data needs. The average service life of copper cable ranges from 25 to 35 years, depending on the environment where the cable is installed. Most of SCE's copper cables are over 25 years old, with more than 50% (over 1,000 miles of cable) over 35 years old. As copper cable reaches the end of its useful life, performance degrades because of ground faults, susceptibility to noise, and the effects of high-voltage testing and cable outages. These factors all greatly reduce system reliability.

SCE has other substation programs related to communication assets, such as fiber optic replacement program, which replaces aging and problematic fiber optic cables, and microwave replacement program, which replaces obsolete, failed, beyond useful life, and damaged microwave equipment.

- *Fuses, including expulsion fuses*

Transmission

Not applicable as SCE currently does not have fuses on the transmission system.

Distribution

While performing inspections conditions found to need repair will be documented and remediated. Fuses are installed per our engineering standards for new construction and fuses are replaced when a failure has been identified.

Substation

While performing inspections, conditions found to need repair will be documented and remediated. Fuses are installed per our engineering standards for new construction and fuses are replaced when a failure has been identified. Refer to "other equipment not listed" section for ignition events reviewed through our Wildfire Mitigation Strategy department for proactive measures established through the evaluation of asset trends.

- *Distribution poles*

Programs, such as Pole Loading Program (PLP) and Intrusive Pole Inspection Program (IPI) identify when a pole needs to be replaced based on calculated criteria. SCE also has a Steel Stub Program, which supports the remediation of deteriorated wood poles that are within a specified threshold by restoring the poles to their original load capacity. The steel stub extends the useful service life of the wood pole while ensuring safety factors are maintained for safety and compliance. Pole data points are collected on a survey while aerial and/or ground inspections are being performed. Pole replacements can also be identified through detailed inspections, patrols, new construction (e.g., covered conductor, equipment replacement, new equipment installation, etc.) which requires pole loading that can result in pole replacement.

Per SCE standards, distribution pole replacements in HFRA locations with no equipment and not located in a woodpecker area will be installed with a wood pole with fire resistant (FR) wrap. Distribution pole replacements in HFRA locations with specific equipment (e.g., transformer, capacitor, automatic recloser, RCS, or riser) will be installed with a composite pole with fire shield.

- *Lightning arrestors*

Transmission

Not applicable as these are not installed on transmission lines.

Distribution

SCE performs aerial and/or ground inspections where issues pertaining to lightning arrestors could be identified. Lightning arrestor data points are collected on a survey while aerial and/or ground inspections are being performed. Refer to "other equipment not listed" section for ignition events reviewed through our Wildfire Mitigation Strategy department for proactive measures established through the evaluation of asset trends.

Substation

While performing inspections conditions found to need repair will be documented and remediated. Refer to “other equipment not listed” section for ignition events reviewed through our Wildfire Mitigation Strategy department for proactive measures established through the evaluation of asset trends.

- *Reclosers*

Transmission

Not applicable as SCE currently does not have a designated replacement program.

Distribution

The distribution automatic recloser replacement program replaces automatic reclosers (ARs) identified as being obsolete and/or unreliable. SCE has been replacing ARs in recent years to remove all old oil filled ARs from inventory and replace them with new vacuum ARs. The program will continue to replace older and obsolete vacuum ARs as well as Vacuum Fault Interrupters in the upcoming GRC cycle. Recloser data points are collected on a survey while aerial and/or ground inspections are being performed.

Substation

Automatic recloser replacement program is not applicable to substations.

- *Splices*

Transmission

As part of SCE’s Transmission program (ORCP), hardware and associated components including splices will be replaced as a result of reconductoring. Additionally, while performing inspections conditions found to need repair will be documented and remediated.

Distribution

As part of SCE’s Distribution overhead conductor program (OCP), hardware and associated components including splices will be replaced as a result of reconductoring. Additionally, while performing inspections conditions found to need repair will be documented and remediated. SCE will continue to perform infrared (IR) inspections in HFRA. The IR scan detects temperature differences and heat signatures of components, which may indicate problems that could result in component failure. Additionally, while performing inspections conditions found to need repair will be documented and remediated. Fuses are installed per our engineering standards for new construction and fuses are replaced when a failure has been identified.

Substation

SCE uses infrared technology during substation inspection to identify hot spots on connection and components. While performing inspections conditions found to need repair will be documented and remediated.

- *Transmission poles/towers*

SCE performs both proactive and reactive maintenance and repairs on the transmission system based on inspection findings and system conditions. Proactive maintenance identifies issues during regular inspections, and reactive maintenance occurs due to unplanned events. This activity includes performing repairs on transmission line equipment and structures, such as poles, towers, conductors, and their components, including FAA tower lighting and marker balls.

Programs, such as Pole Loading Program (PLP) and Intrusive Pole Inspection Program (IPI) identify when a pole needs to be replaced based on calculated criteria. SCE also has a Steel Stub Program, which supports the remediation of deteriorated wood poles that are within a specified threshold by restoring the poles back to the original load capacity. The steel stub extends the useful service life of the wood pole, while ensuring safety factors are maintained for safety and compliance. Pole data points are collected on a survey for HFRA locations while aerial and/or ground inspections are being performed. Pole replacements can also be identified through detailed inspections, patrols, new construction (e.g., covered conductor, equipment replacement, new equipment installation, etc.) which requires pole loading that can result in pole replacement. Per SCE standards, new construction or pole replacements are installed with wood pole with fire resistant (FR) wrap.

SCE's Transmission Infrastructure Replacement Program targets assets for replacement, such as overhead conductor, underground cable, switches, cable terminations, and other infrastructure based on risk, engineering and data analysis. The tower corrosion program is an assessment program that SCE implements annually to identify the total scope of remediation work. These assessments will be above and below ground. Without mitigation, especially in more extreme weather areas, SCE's lattice towers will continue to corrode.

Finally, regarding insulator washing, this program requires a visual inspection of a circuit for contamination, often indicated by arcing or buzzing. If no or minimal contamination is present, the circuit will continue to be monitored. If excessive contamination is present, the circuit must be washed. Typically, beach areas with high salt levels and high traffic volume require more frequent washing than a desert area with drier air and less exhaust from traffic.

- *Transformers*

Transmission

Not applicable as SCE does not install transmission transformers. Transformers are installed inside substations when transforming down to lower voltages.

Distribution

SCE's Polychlorinated Biphenyls (PCB) Transformer Removal Program replaces distribution line transformers suspected of being contaminated with PCB oil greater than 50 parts per million. PCBs are chemicals that could have negative effects on the environment and human health.

In addition, SCE will be proposing in the upcoming GRC, a proactive replacement program for distribution service transformers, focused on assets where heat stress is likely to be most impactful. The program aims to improve safety and reliability by reducing catastrophic and routine service transformer failures, and to reduce operational burden during and after heat waves by proactively replacing units that are most likely to fail.

At this time, SCE does not have a transformer replacement program for other types of transformers not mentioned above. SCE's approach is to run this equipment to or near failure. However, when aerial and/or ground inspections are being performed, transformers repairs/replacements are identified, and transformer data points are collected on a survey when performing a detailed inspection. Additionally, while performing inspections conditions found to need repair will be documented and remediated. Fuses are installed per our engineering standards for new construction and fuses are replaced when a failure has been identified.

Substation

The substation transformer replacement program identifies and replaces transformers approaching the end of their service lives, which contain parts known to be problematic or are no longer available. Also, SCE proactively tries to mitigate unplanned events by the utilization of the health index tool for transformers. This takes input from SCE's substation Condition Based Maintenance (CBM) programs, which are designed for the ongoing identification, prioritization, and quantification of condition assessment performed on recent assets. The substation transformer asset replacement program consists of the following transformer classes:

- AA-Bank transformers – located in major substations where they take electricity at the 500kV transmission level and transform it down to 220kV
- A-Bank transformers – located in major substations where electricity at the 220kV transmission level is transformed down to a sub-transmission voltage, either 115kV or 66kV
- B-Bank transformers – located at the sub-transmission level, usually 66kV but sometimes 115kV, transform it down to 33kV, 16kV, 12kV, or 4kV, and distribute it onto distribution circuits to feed pole-mounted, pad-mounted, or subsurface line transformers.
- *Other equipment not listed*

For transmission and distribution equipment, SCE reviews ignition events and asset trends across HFRA and non-HFRA locations. Engineers and technical experts will review and analyze data to identify potential trends and determine if further evaluation is required, which may result in a proactive mitigation program being established to address the identified risk(s). Additionally, while performing inspections conditions found to need repair will be documented and remediated.

In the 2022 WMP, SCE committed to perform a FMEA study for substation assets located in HFRA locations to identify potential failures associated with ignition risks. This study resulted in shortened inspection timeframe for a select number of substations the If a risk was identified, the inspection timeframe was shortened.

8.1.5 Asset Management and Inspection Enterprise System(s)

In this section, the electrical corporation must provide an overview of inputs to, operation of, and support for centralized asset management and inspection enterprise system(s) updated based upon inspection results and activities such as hardening, maintenance, and remedial work. This overview must include discussion of:

The electrical corporation's asset inventory and condition database.

SAP is SCE's enterprise resource planning software that serves as our systems of record for asset inventory and asset conditions. As such, software developed specifically for wildfire mitigation receives master data from SAP, updates data with work order status information, and writes the results of work back to the SAP system.

Describe the electrical corporation's internal documentation of its database(s).

SAP has documentation of both transaction and database elements of the software housed in augmented tools as well as formal documentation that comes with the software. Additionally, any customizations that SCE makes to SAP are documented in functional design specifications and/or technical design specifications.

Integration with systems in other lines of business.

The SAP software is integrated through hundreds of interfaces to hundreds of subscribing enterprise systems that require master data similar to the software that is reliant on SAP for asset master data in this volume. Other lines of business, such as customer service, transmission & distribution, human resources, information technology, grid operations, supply chain management, finance, and a myriad of other operating units utilize systems that are integrated with SAP.

Integration with the auditing system(s) (see QA/QC section below).

SAP has Sarbanes-Oxley (SOX) financial controls and separation of duty controls that are built directly into the software. Additionally, software changes and updates go through rigorous QA/QC testing to help ensure all subscribing systems and interfaces continue to function to support SCE operations once the changes are put into production.

Describe internal procedures for updating the enterprise system including database(s) and any planned updates.

SAP is SCE's core enterprise resource planning (ERP) system. SAP is responsible for updating the respective components (including databases) on a regular basis to ensure compatibility with SCE's operational systems, meaning all the systems that rely on master data from SAP. When these updates are available, SCE loads this new code into our test environment, and validates the functionality end to end with regression and user acceptance testing to ensure everything works as expected in our environment. Any bugs found are communicated back to the vendor to be fixed and retested. Once the new code passes testing, we migrate the new functionality to our production environment. For any custom developed functionality, SCE follows a standard software development lifecycle process, including quality assurance testing, regression testing, and user acceptance testing before new functionality is moved into our production environment.

Any changes to the initiative since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation.

Since the last WMP submission, SAP continuously undergoes changes based on enterprise needs, however, with respect to wildfire mitigation no changes were made to SAP due to the WMP. SCE's

design approach for SAP is to ensure all subscribing systems can obtain the same master data from SAP databases, which allows programs that connect to SAP for that data to customize as necessary outside of SAP.

Wildfire Mitigation Systems that Leverage SCE's Asset Management and Inspection Enterprise System

There are several systems and tools that SCE has and continues to build to support wildfire mitigation efforts. These systems connect with SAP. SCE summarizes several of these systems below, including:

- Wildfire Safety Data Mart and Portal (WiSDM)
- Ezy Data
- InspectForce
- FMP360

- **Wildfire Safety Data Mart and Portal (WiSDM)**

WiSDM is a scalable, cloud-based, and geospatially enabled centralized wildfire data repository.[168] The main asset inventory master data resides in SAP and condition data is collected from various systems and inspection tools.

In addition to data ingestion from the source systems, Foundry also provides data harmonization and normalization, visually displays the data ontology (model), tracks data lineage and transformations, and can help to automate manual business workflows. Within WiSDM, a common data design is created that allows for simplified access to asset data, asset condition, asset inspections, and wildfire mitigation, and further allows for use of this data in SCE's risk analysis and internal and external reporting.

From a software design and integration standpoint, WiSDM relies on a shared meta-data directory with Ezy to help ensure structured and unstructured data, such as LiDAR data, photos, and video, can be associated with each other accurately. Additionally, QA/QC personnel may use the data in WiSDM to check timestamped photos, videos, and LiDAR to validate that work has been completed. Similarly, data used for various reports will be timestamped and stored for future reference.

In 2023, SCE intends to perform the following:

- Initial consolidation of wildfire data ingestion and management into WiSDM
- Build an Enterprise Data Warehouse (EDW) on Snowflake for storage and analytics of wildfire data (including historical data)
- Building a Wildfire Data Portal using ArcGIS Portal

[168] A data repository (or data mart) is a subject-oriented database that meets the demands of a specific group of users. It is typically a subject area within a data warehouse.

- **Ezy Data**

Ezy Data is a system that collects unstructured data (e.g., pictures, video, LiDAR) from various inspection tools and consolidates inspection data reporting across wildfire activities. In addition, Ezy Data manages the full life cycle of SCE's unstructured data that supports aerial and other asset inspection programs at

SCE. SAP's asset inventory and other GIS datasets are used to schedule and manage image capture assignments related to SCE structures.

The part of Ezy Data that documents the metadata for unstructured data is the Universal Data Descriptor Repository (UDDR), which is being built to catalog unstructured remote sensing data. UDDR stores metadata in a centralized repository that references underlying raw data stored in various cloud platforms (GCP, Azure, AWS). Specifically, structured data is used to tag unstructured data (e.g., asset information on a high-definition video) in order for inspectors and other consumers of the data to be able to quickly locate the unstructured data they require.

The UDDR provides a mechanism to integrate unstructured (e.g., images, documents) data with their relevant asset master (e.g., data associated with an asset such as location or type) and transactional data (e.g., information captured during inspection). The AI/ML algorithms leverage the UDDR data in order to provide insights to optimize the inspection business process.

Ezy Data has data pipelines that process multiple inspection programs data, one of which is QA/QC inspection. This integration contains two use cases:

- Dedicated data pipeline that processes QA/QC photos (from AGOL on AWS) and add both photo thumbnails and metadata to UDDR on GCP
- UDDR exposes all inspection photos (as linkable GRViewer url) to QA/QC PowerBI based dashboard

SCE plans to derive data insights (e.g., structure lat/long location) from structured/unstructured data collected from Ezy Data and use these findings to remediate asset master datasets. One such example is structure location data. From millions of high-definition (HD) images, algorithms and ML models are run to predict correct structure location with high confidence. Once data insights are gathered from the automated latitude/longitude location accuracy report, remediation workflow will update master data in source systems. For 2023, SCE plans to update asset master data for 100,000 structures.

Since the last WMP submission, Ezy Data is adding more unstructured data into its repository, including videos from aerial inspections and other programs, which will enable a more comprehensive database of asset information in support of SCE's wildfire programs. Ezy Data is also extending its integration with other systems, such as Salesforce-based field inspection platforms, AI/ML projects for object/defect detection, image analytics, and others. In addition, SCE is also expanding its design and development of UDDR to support future analytics and solutions capabilities with both structured and unstructured datasets.

The planned improvements or updates to Ezy Data include:

- Centralize storage and processing of LiDAR datasets collected from multiple SCE programs, integrate them with HD images and videos in UDDR, and support various business use cases.
- With the expansion of UDDR data, especially the association of LiDAR, HD photos and videos with a high degree of data accuracy assurance, SCE can better support future analytics and solutions capabilities with both structured and unstructured datasets.
- Continue to enhance advanced AI/ML capabilities using SCE's data science environment on Ezy Data. With more advanced object and defect detection models, SCE can enhance automatic detection of potential fault conditions by leveraging all of the data tools and technologies in the Ezy Data environment. This will increase the enhance the efficiency of our inspectors by identifying potential faults and prioritizing them for review. For example, The AI/ML computer vision models for asset defect detection are being used by Overhead Distribution Inspections and Transmission Inspections. They will automatically analyze images to identify characteristics within the image (e.g., defects) without human intervention. These models are currently running in an advisory mode, where the output is presented to an inspector who then reviews and validates the detected defect's accuracy. The inspector will agree with the defect, which raises a notification for mitigation, or will disagree, which retrains and improves the model's accuracy.

- **InspectForce**

InspectForce is the centralized asset inspection product used for planning and executing inspections, which was developed on the Salesforce platform. It is a common inspection management solution to support many inspection types (aerial and ground for transmission and distribution, post failure and post construction asset inspections, etc.). This establishes a foundation for sharing work and information across inspections and will improve the effectiveness and speed of inspections, data quality and record accuracy, and help ensure that information is available, accessible, and timely to support wildfire mitigation activities.

InspectForce utilizes the asset inventory from the asset system of record, SAP. The survey data collected during the inspections is stored in Salesforce and is available for reporting and analytics. Any condition issues that are identified during an inspection that requires remediation will result in the creation of a notification that is stored in SAP.

The InspectForce application solution design, including the data model, data schema, and all other database design aspects, are documented in the Solution Architecture Document for the application.

The majority of master data that InspectForce consumes comes from interfaces with our SAP and cGIS (consolidate geographic information system) systems. SAP is the system of record for asset master data while cGIS is the system of record for location-based data. All interfaces are documented in the logical architecture.

IT systems are continuously monitored to ensure operational and data integrity is maintained through a variety of tools. Additionally, IT operations has a help desk function for SCE users experiencing any problems with any systems to report those as necessary.

SCE is utilizing Salesforce as well as two Salesforce partner products, Youreka (for mobile complex, dynamic forms) and Lemur (for mobile maps), as the core technology components of InspectForce. As inspections are completed using InspectForce, the inspection information (inspection survey and any notifications raised) are captured in the InspectForce (Salesforce) database.

These vendors are responsible for updating their respective software products (including databases) on a regular basis to ensure compatibility with SCE's operating system (typically 3-4 times a year). When these updates are available, SCE loads this new code into our test environment, and validates the functionality end to end with regression and user acceptance testing to ensure everything works as expected in our environment. Any bugs found are communicated back to the vendor to be fixed and retested. Once the new code passes testing, we then migrate the new functionality to our production environment. For any custom developed functionality for the solution, we use an agile development process with a standard monthly release schedule. This process also includes quality assurance testing, regression testing, and user acceptance testing before new functionality is moved into our production environment.

Since SCE's last WMP submission, SCE is planning in 2023 the following updates:

- Utilizing the feasibility assessment and high-level design completed in 2022, SCE will develop the detailed design to migrate the distribution ground inspection application to the single digital platform. Migration of distribution ground to a single digital inspection platform is tentatively scheduled for 2024.
- Based on the outcome of the analysis completed in 2022 for incorporating the work bundling functionality into the Scope Mapping Tool, a decision was made to defer implementation of the functionality into a future iteration of SMT as this was determined to be a more effective approach.
- Plan to pilot the ability to run the ML models in the field. This will help the inspector in the field identify potential defects at the time of inspection that may have been missed, speeding up the time to raise a notification if required.
- Plan to complete the evaluation and design to integrate the assisted reality InspectCam capability, including the ability to automatically detect if the image captured is at the appropriate image clarity, into the InspectForce solution.

- **FMP360**

The FMP360 mobile application is used for tracking the remediation work resulting from an asset inspection. FMP360 is a field solution specifically deployed to help ensure ignition risk conditions identified by ground and aerial inspections are tracked and validated as those issues are corrected in the field.

FMP360 is primarily integrated with SAP through the consolidated mobile solution (CMS) system and the data subsequently updates the status and evidence of work in our SAP and records management systems. This makes the state of remediations available to users across the organization.

As part of software quality assurance, SCE performs rigorous software testing including user acceptance testing (UAT) to ensure software meets operational needs. In addition, data captured by the FMP360

mobile app in the field on an iPad by crew foreman or QA inspectors is uploaded into the CMS enterprise back-office system with time stamps, work order numbers, and associated metadata. That data is then published to other subscribing systems across the enterprise, such as SAP.

8.1.6 Quality Assurance and Quality Control

In this section, the electrical corporation must provide an overview of its quality assurance and quality control (QA/QC) activities for asset management and inspections. This overview must include:

- *Reference to procedures documenting QA/QC activities.*

SCE field supervisors perform random quality field checks as a first line of defense. SCE also has a Compliance & Quality (C&Q) organization that performs QA/QC assessments of wildfire and non-wildfire activities and drives continuous improvement throughout the organization as a second line of defense. Current QA/QC programs include assessments of distribution planning, distribution and transmission construction activities by SCE and contract crews, as well as various transmission and distribution inspection programs. The group assesses compliance with General Order Nos. 95/128/165 and various SCE maintenance, inspection, and construction standards. Supporting documentation for QA/QC activities is available at https://www.sce.com/safety/wild-fire-mitigation for assessments of construction activities, Distribution Detailed Inspections and Remediations [Section 8.1.3.1], Transmission Detailed Inspections and Remediations [Section 8.1.3.2] and Generation Inspections [Section 8.1.3.7].

- *How the sample sizes are determined and how the electrical corporation ensures the samples are representative.*

SCE's Compliance & Quality (C&Q) group uses a risk-based approach to determine sample size/selection and measure performance targets (i.e., Confidence Level (CL). The CL and Confidence Interval (CI) used to determine the sample size varies by risk from Very High, High, Medium, to Low. In 2023, C&Q shifted to the new IWMS 5x5 matrix with one dimension of the matrix representing five levels of POI risk and the other dimension representing five levels of consequence. These dimensions were translated into the four categories for IWMS risk shown in

Figure SCE 8- 35 below (also see Figure SCE 8-25 for further detail on this translation). Programs also receive a tanking based on factors such as complexity, potential downstream impacts, and component or structure risk. Under this methodology the C&Q organization performs QC reviews on wildfire and non-wildfire activities using the CL/CI levels as shown below in Figure-SCE-8-35.

Figure SCE 8- 35 - Confidence Level (CL)/Confidence Interval (CI) for QC inspection programs

	IWMS Risk							
	Very High		High		Medium		Low/Non	
Program Ranking	CL	CI	CL	CI	CL	CI	CL	CI
Very High	100%	0%	99%	1%	99%	2%	99%	5%
High	99%	1%	97%	1%	97%	3%	97%	5%
Medium	97%	1%	97%	2%	96%	3%	96%	5%
Low	95%	1%	95%	2%	95%	3%	95%	5%

- *Qualifications of the auditors.*

All QC inspectors meet the defined Personnel Qualification Standard (PQS) and perform the field inspections following the Inspection and Maintenance Program manual developed for each respective inspection program (e.g., Distribution Inspection and Maintenance Program (DIMP), Transmission Inspection & Maintenance Program (TIMP), etc.).[169] This involves required office and field training, as well as certification testing and re-qualification for each program being reviewed.

- *Documentation of findings and how lessons learned based on those findings are incorporated into trainings and/or procedures.*

The C&Q group partners with organizations throughout SCE's T&D operating unit to identify potential quality gaps and assess compliance with CPUC General Order's 95/165 and various SCE maintenance, inspection, and construction standards. SCE's inspection QA/QC program helps drive continuous improvement and is deemed effective when it identifies non-conformance with SCE standards, determines causes of non-conformance, or implements necessary corrective actions. SCE follows the progress of the formal action plans to corrective actions, which can include implementing changes or enhancements to inspection processes, training, etc., to continuously improve the inspection programs based on QA/QC findings. Corrective actions and their status are tracked in a corrective action tracker until completion. Increases in conformance rates over time also reflect the effectiveness of the program.

- *Any changes to the initiative since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation.*

Since SCE's last WMP submission, the Quality Program risk rankings and the risk methodology used to determine sample size/selection are updated annually. The CL and CI used to determine the sample size varies by program risk and structure level risk as determined by SCE's risk model. As described above,

[169] This section pertains to Quality Assurance and Quality Control activities, therefore, the "Qualification of the auditors" is referring to the QC inspectors performing the activities described in this section. SCE also has an independent Audit Services Department that performs audits and that is not what is being described in this section.

C&Q shifted to the new IWMS 5x5 matrix in 2023.

Tabular information that includes:

- *Sample sizes*
- *Type of QA/QC performed (e.g., desktop or field)*
- *Resulting pass rates, starting in 2022*
- *Yearly target pass rate for the 2023-2025 WMP cycle*

Table 8-7 - Grid Design and Maintenance QA/QC Program

Activity Being Audited	Sample Size	Type of Audit	Audit Results 2022	Yearly Target Pass Rate for 2023-2025
Overhead Detailed QC Inspection	4,132 samples in 2022, Randomly selected Risk Based Inspections in Tier 2 and Tier 3 Areas	Field	96%	2023: 95%; 2024-25: To be Developed Annually after previous year results become available
Transmission Detailed Inspections	532 samples in 2022, Randomly selected Risk Based Inspections in Tier 2 and Tier 3 Areas	Field	98%	2023: 97%; 2024-25: To be Developed Annually after previous year results become available
Generation Inspections	150 samples in 2022, Randomly selected Risk Based Inspections in Tier 2 and Tier 3 Areas	Field	95%	2023: 95%; 2024-25: To be Developed Annually after previous year results become available

8.1.7 Open Work Orders

In this section, the electrical corporation must provide an overview of the procedures it uses to manage its open work orders resulting from inspections that prescribe asset management activities. This overview must include a brief narrative that provides:

- *Reference to procedures documenting the work order process. The electrical corporation must provide a summary of these procedures or provide a copy in the supporting documents location on its website.*

Supporting documentation is available at https://www.sce.com/safety/wild-fire-mitigation for both the TIMP and DIMP.

- *A description of how work orders are prioritized based on risk.*

SCE currently prioritizes open work orders[170] based on the severity of the finding and the associated compliance deadline based on HFTD location (i.e., HFRA Tier 2, HFRA Tier 3, or Non-HFRA). An explanation of the various severity notification types is discussed in Section 8.1.3.1.

In 2020, SCE introduced a supplemental notification prioritization algorithm to accelerate remediation of the highest risk notifications in AOCs. In Q4 2022, after considering existing risk processes and incorporating lessons learned, SCE expanded on the prioritization methodology to apply to the notification backlog that currently exists, and which is discussed in response to ACI SCE-22-15 Targets Relating to Addressing Inspection Findings. In 2023, SCE will expand the prioritization methodology to apply to all open notifications in order to remediate the highest risk notifications.

- *A description of the plan for eliminating any backlog of work orders (i.e., open work orders that have passed remediation deadlines), if applicable.*

SCE's plan for eliminating its backlog of notifications that have passed their remediation deadline is discussed in detail in ACI SCE-22-15 Targets Relating to Addressing Inspection Findings. Additionally, to prevent the occurrence of new past-due notifications, SCE will analyze how it can prioritize all open-notifications to eliminate the riskiest and oldest notifications instead of the compliance focused "first-in and first-out" method used historically. Considering the growth in volume of work since SCE implemented more rigorous and frequent inspections in HFRA, SCE will modify its prioritization methods to prevent a growing backlog. In 2023, using lessons learned, SCE plans to update its notification backlog prioritization (as described in ACI SCE-22-15 Targets Relating to Addressing Inspection Findings) and aim to apply it to all open notifications. SCE will also investigate the possibility of expanding its open notification prioritization methodology based on lessons learned. While the reduction of the overall backlog count is desired, SCE's goal is to prioritize and close work orders that pose the highest risk to SCE's electrical system. The trade-off in prioritizing riskier work is that low risk work sometimes becomes past-due. The majority of SCE's backlog is comprised of low-risk notifications.

- *A discussion of trends with respect to open work orders.*

SCE's past due open work orders constitute less than 3% of SCE's overall open work orders. While this is a small fraction of the total, SCE is investigating new prioritization approaches for its open work orders to minimize the backlog in the future. Please reference SCE-22-15 Targets Relating to Addressing Inspection Findings.

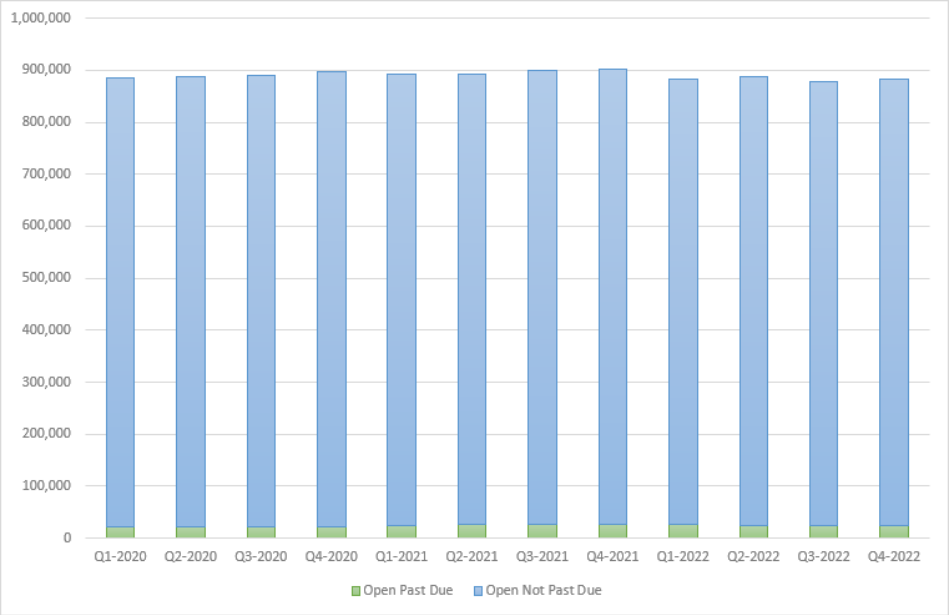
- *In addition, each electrical corporation must:*
- *Graph open work orders over time as reported in the QDRs (Table 2, metrics 7.a and 7.b)[171].*

[170] SCE utilizes the term notification instead of work order.

[171] Manual adjustment by SCE to reflect open work orders as metric 8.a refers to "Response time to locked open circuit breaker."

Figure SCE 8-36 shows open work orders over time as reported in the QDRs. This data includes all transmission and distribution P2 and P3 open work orders regardless of whether they present an ignition risk or not.

Figure SCE 8-36 - Open Work Orders Over Time as Reported in the QDRs



- *Provide an aging report for work orders past due.*

The three below tables for past due notifications (as of 12/31/2022) are broken down by (Table 8-8a) all past due notifications within HFRA and non-HFRA, (Table 8-8b) ignition risk past due notifications within HFRA and (Table 8-8c) ignition risk past due notifications within HFRA excluding GO 95 exceptions. SCE clarifies that for Table 8-8a, a portion of these notifications are non-ignition risk. For example, P2 notifications regarding right of way, ground clearing, and 3rd party customer attachments below the communication level. As discussed above, any notification that may result in an imminent ignition risk (P1) is made safe within 24 hours and the remediation is started within 72 hours, thus P1s do not contribute to the scope of notifications past their compliance due date.

Table 8-8a - Number of Past Due Asset Work Orders Number of Past Due Asset Work Orders [172] Categorized by Age as of 12/31/2022 – All (HFRA & Non-HFRA)

HTFD Area	0-30 Days	31-90 Days	91-180 Days	181+ Days	TOTAL
Non-HFTD	452	779	613	13,951	**15,795**
HFTD Tier 2	29	82	118	2,646	**2,875**
HFTD Tier 3	419	1,118	937	3,638	**6,112**
TOTAL	**900**	**1,979**	**1,668**	**20,235**	**24,782**

Table 8-8b - Number of Past Due Asset Work Orders Categorized by Age as of 12/31/2022 – Ignition Risk (HFRA)

HTFD Area	0-30 Days	31-90 Days	91-180 Days	181+ Days	TOTAL
HFTD Tier 2	25	70	111	2,319	**2,525**
HFTD Tier 3	412	1,076	876	2,948	**5,312**
TOTAL	**437**	**1,146**	**987**	**5,267**	**7,837**

Table 8-8c - Number of Past Due Ignition Risk Asset Work Orders Categorized by Age as of 12/31/2022 - Excluding GO 95 Exceptions (HFRA)

HTFD Area	0-30 Days	31-90 Days	91-180 Days	181+ Days	TOTAL
HFTD Tier 2	13	32	34	977	**1,056**
HFTD Tier 3	275	780	705	1,791	**3,551**
TOTAL	**288**	**812**	**739**	**2,768**	**4,607**

[172] SCE refers to “work orders” and “notifications” interchangeably.

8.1.8 Grid Operations and Procedures

8.1.8.1 Equipment Settings to Reduce Wildfire Risk

In this section, the electrical corporation must discuss the ways in which operates its system to reduce wildfire risk. The equipment settings discussion must include the following:

- *Protective equipment and device settings*
- *Automatic recloser settings*
- *Settings of other emerging technologies (e.g., rapid earth fault current limiters)*

For each of the above, the electrical corporation must provide a narrative on the following:

- *Settings to reduce wildfire risk*
- *Analysis of reliability/safety impacts for settings the electrical corporation uses*
- *Criteria for when the electrical corporation enables the settings*
- *Operational procedures for when the settings are enabled*
- *The number of circuit miles capable of these settings*
- *An estimate of the effectiveness of the settings*

8.1.8.1.1 Protective Equipment and Device Settings

Settings to reduce wildfire risk

Fast Curves are protective settings that operate faster than traditional relay protection settings to open the RAR or substation circuit breaker to stop the flow of electricity when an electrical fault unexpectedly occurs on a line. SCE implements Fast Curve settings on devices such as the Remote Automatic Reclosers (RARs) (SH-5) and substation circuit breaker relays (SH-6) as described in Section 8.1.2.8. Devices with Fast Curve settings reduce the amount of energy released at the fault location (due to causes such as a lightning strike or car hit pole incident) and, thus, reduce the likelihood of a fault creating an arc or sparking event that could result in an ignition.

Analysis of reliability/safety impacts for settings the electrical corporation uses

SCE studies and coordinates the settings applied to each protective device installed on every circuit to minimize the number of customers impacted. SCE coordinates Fast Curve settings so that the nearest device upstream of a fault operates before other upstream devices. This helps ensure that only the section of the circuit downstream of the protective device is interrupted from service while the rest of the circuit remains energized. For example, if a fault occurs downstream of a branch line fuse at the end of a circuit, the fuse should operate before the upstream recloser or circuit breaker, which would mean that only the section of the circuit downstream of the branch line fuse is interrupted from service. SCE reviews this type of coordination and deploys its Fast Curve settings accordingly based on the configuration of each circuit.

SCE began installing Fast Curve settings in 2018 to enable faster protection response to faults on higher risk circuits. In 2021, SCE did a MATLAB/Simulink analysis on 15 HFRA circuits and determined that we could refine our Fast Curve settings to improve reliability. SCE also determined in 2022 through a

desktop analysis that we could further increase the sensitivity of our settings without impacting reliability. When SCE conducted an analysis comparing older Fast Curve settings with newer Fast Curve settings installed since June 2021, we found that Fast Curve installations have not had any significant impact on customer reliability. Additionally, we found that outage impacts have been mitigated by other wildfire mitigations such as covered conductor and branch line fuses. SCE benchmarked its Fast Curve setting practices with several other electric utilities' fast trip practices to gain further insights. Based on the benchmarking analysis, SCE's Fast Curve settings operate comparable to other utilities while striking a balance between fast operation and reliable coordination with other protection devices.

SCE will conduct engineering reviews of previous installations of Fast Curve in 2023 to determine which devices should receive updated settings.

Criteria for when the electrical corporation enables the settings

SCE enables Fast Curve settings during elevated fire conditions. The criteria for these conditions include Red Flag Warnings (RFW) declared by the NWS and/or a Fire Weather Threats (FWT), Fire Climate Zones (FCZ), Thunderstorm Threats (TT) or PSPS Proximity Threats declared by SCE's weather forecasting team. This criteria is outlined in SCE's Standard Operating Bulletin 322 (SOB 322) and has evolved based on lessons learned from historical conditions (e.g., addition of FCZ, TT, etc.). SOB 322 helps to ensure consistency in the execution of HFRA protocols by consolidating the protocols into one bulletin that is used to train key stakeholders. SOB 322 contains updated operational protocols and standards for the safe operation of HFRA circuits and guides SCE's response during wildfire events and PSPS operations to help mitigate and reduce wildfire ignitions. The application of Fast Curve settings for the distribution system during a RFW, FCZ, FWT, TT, or PSPS proximity threat helps to ensure that any relay operation during a time of high wildfire risk releases as little electrical energy as possible. Transmission and sub-transmission systems already have high-speed tripping relays, so Fast Curve settings are not needed on these systems.

Operational procedures for when the settings are enabled

Following operation of a relay that has Fast Curve settings enabled, the impacted circuit is patrolled prior to re-energization pursuant to SOB 322. This helps ensure that qualified personnel identify and mitigate any conditions that could potentially lead to a wildfire ignition upon re-energization.

The number of circuit miles capable of these settings

All HFRA miles are capable of Fast Curve settings. Currently, approximately ~900 of ~1075 circuits have Fast Curve enabled on them. SCE is continuing to replace old electromechanical relays with modern microprocessor relays on the remaining ~175 circuits which will allow them to be set with Fast Curves. This relay replacement work should be completed by 2024. Furthermore, SCE anticipates revising all Fast Curves with the new setting strategy to provide better coverage by the end of its next GRC period ending in 2028.

An estimate of the effectiveness of the settings

SCE has seen a reduction of ~54% in the ignition-to-fault ratio on circuits with Fast Curve enabled during FCZ, compared to circuits without Fast Curve enabled, when analyzed over the same time period. The mitigation effectiveness value of Fast Curve settings, which includes the benefits of blocking automatic reclosers, is estimated to be up to 40% depending on the sub-driver.

8.1.8.1.2 Automatic Recloser Settings

Settings to reduce wildfire risk

During normal operations, automatic reclosing devices that are installed on circuits will operate to reenergize the circuit after a fault event to quickly restore electric service to customers. Although this approach has many benefits for addressing faults that are temporary, if the fault persists (e.g., is permanent) and fire risk is present, then subsequent attempts to automatically re-energize the circuits through this process could potentially lead to an ignition. SCE blocks automatic reclosers in areas and times of particular risk of an ignition. Blocking reclosing means that no attempted re-energization takes place automatically. SCE's current remote-control capabilities allow for blocking of reclosing relays for CBs and RARs with group commands of hundreds of devices at once.

Analysis of reliability/safety impacts for settings the electrical corporation uses

SCE has practiced blocking of automatic recloser relays for at least 30 years. Industry research has found that roughly 70% of distribution fault events are temporary in nature.[173] In some instances in the past, when an automatic recloser re-energized the line, the initial condition that created the fault had not cleared and caused another fault. SCE's practice of blocking reclosing is intended to reduce re-energization of permanent fault conditions, preventing repeat ignition risks.

Criteria for when the electrical corporation enables the settings

SCE blocks reclosers in HFRA during a RFW declared by the NWS, and/or a FWT, TT or PSPS Proximity Threat declared by SCE's weather team. This criteria is outlined in SCE's SOB 322.[174]

The number of circuit miles capable of these settings

All HFRA miles are capable of blocking automatic reclosing of reclosers.

Operational procedures for when the settings are enabled

Blocking reclosing is enabled during Red Flag Warnings declared by the National Weather Service, and/or a FWT, FCZ, TT or PSPS Proximity Threats declared by SCE's weather forecasting team. This

[173] Sanap, M., & Shrivastava, P. K. (2018). Single phase fault analysis for temporary and permanent fault. *Asian Journal For Convergence In Technology* (AJCT) ISSN -2350-1146, 4(I). Retrieved from https://asianssr.org/index.php/ajct/article/view/514

[174] See Section 8.1.8.1.1 for a description of SOB 322.

criteria is outlined in SCE's SOB 322. When reclosing is blocked, the circuit or circuit section will remain de-energized until crews can be dispatched to patrol the line and determine if it is safe to re-energize.

An estimate of the effectiveness of the settings

SCE has calculated the mitigation effectiveness of Fast Curve, which includes blocking automatic reclosers. The mitigation effectiveness value of Fast Curve settings with recloser blocking is estimated to be up to 40% depending on the sub-driver.

8.1.8.1.3 Settings of other emerging technologies

This section describes emerging technologies that are currently being piloted in "alarm mode" only to determine if the device/algorithm detects the targeted grid conditions correctly. As such, the settings are in development and there are no grid response procedures that have been developed or implemented yet to respond to such events since the detection ability of these technologies is not yet proven. Much of the pilot evaluation is focused on eliminating the number of false positives generated from the schemes and are not advanced enough to be able to evaluate the impacts of different settings on reliability and safety if/when a detected condition is tripped. The responses below are provided with these constraints in mind.

8.1.8.1.3.1 High Impedance Relays (Hi-Z)

Settings to reduce wildfire risk

Hi-Z settings are designed to sense high impedance events on SCE distribution circuits residing within the field devices. Currently these settings are designed to raise an alarm if a potential condition is detected.

Analysis of reliability/safety impacts for settings the electrical corporation uses

In lab testing, SCE has demonstrated that the Hi-Z relay technology can detect Hi-Z conditions; however, SCE is still validating the technology's efficiency in the field in detecting actual Hi-Z events.

Criteria for when the electrical corporation enables the settings

Hi-Z settings are being piloted and will remain in "alarm mode" only until the technology and SCE's use of it has been validated in the field. If the technology is successful, SCE plans develop a standard for Hi-Z relay operations and expects that the technology would be deployed to continuously monitor the lines for high impedance conditions.

Operational procedures for when the settings are enabled

As the deployment is still in the pilot phase, there are no specific actions required for Hi-Z alarms at this time. Since Hi-Z alarms are integrated with the monitoring systems for SCE's grid operations, if the Hi-Z alarms, then the grid operations team will determine next steps, e.g., verifying the alarm and determining the appropriate response. If an actual Hi-Z condition results in a faulted event, SCE has procedures in place for system restoration to respond to the fault.

The number of circuit miles capable of these settings

The Hi-Z algorithm can be installed on any solidly grounded distribution system.[175] Once installed, the Hi-Z settings are only able to detect high impedance conditions downstream of the field devices where the settings are installed.

An estimate of the effectiveness of the settings

Detection of Hi-Z conditions is an industry-wide challenge and SCE's traditional feeder protection elements are based on overcurrent, meaning the protection elements rely on fault magnitude to trigger the relay to operate. In a Hi-Z event, however, the fault magnitude is relatively small to non-existent. Therefore, protection schemes that can detect Hi-Z conditions can reduce the propagation of low magnitude fault conditions and reduce ignition risk. When fully operational, with the ability to alarm and trip, Hi-Z relays are effective at mitigating the impact of downed energized wire conditions. Please see Appendix F: Supplemental Information for additional information on the estimated effectiveness of Hi-Z at addressing each risk driver.

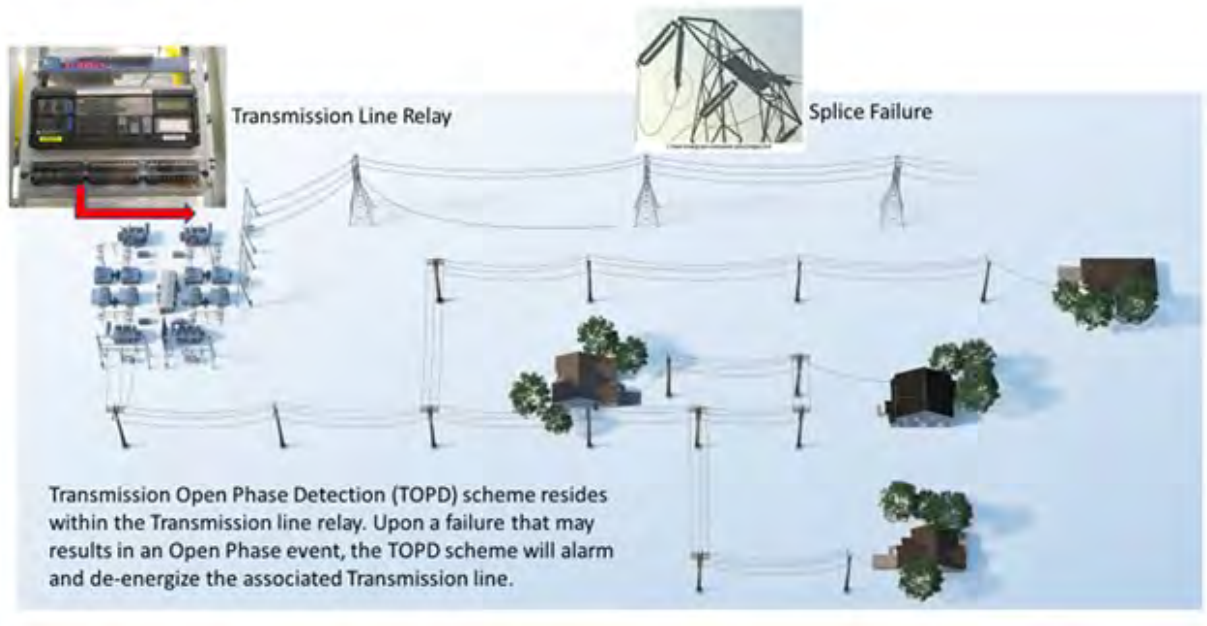
8.1.8.1.3.2 Transmission Open Phase Detection (TOPD)

Settings to reduce wildfire risk

Transmission Open Phase Detection (TOPD) facilitates detection and de-energization of an open phase (broken transmission conductor) before it can contact a grounded object and create a fault event. While most of the pilot installation is operated in alarm-mode only, if deployed with the ability to alarm and trip this technology could reduce ignition risk associated with the high voltage transmission system.

Table SCE 8-37 below shows an illustration of a TOPD scheme.

Figure SCE 8-37 - Illustration of a TOPD Scheme



[175] Solidly grounded systems are those that have a power source in which the neutral wire of the transformer or generator is directly connected to the ground.

Analysis of reliability/safety impacts for settings the electrical corporation uses

Open phase conditions refer to the scenario where one of three phases is physically disconnected on the transmission system. This could occur due to a loose cable, broken conductor, or hardware/splice failure. An undetected open phase condition may cause the energized conductor to drop to the ground. In 2019, SCE evaluated the effectiveness of the open phase detection scheme using Real Time Digital Simulation (RTDS). Test results indicated the technology works as intended, that is, TOPD was able to correctly identify all broken conductor testing events simulated. In collaboration with our relay vendors, TOPD settings will be vetted through RTDS to ensure that TOPD settings deployed will respond correctly.

Criteria for when the electrical corporation enables the settings

TOPD is in the pilot stage and most of the installation will remain in "Alarm mode" only. During "Alarm Mode", the TOPD scheme will not de-energize Transmission lines. In December 2022, SCE enabled trip functionality on TOPD settings for five of the Transmission lines. The TOPD settings for these five lines were set to continuously monitor the lines for any open phase conditions.

Operational procedures for when the settings are enabled

Since TOPD alarms are integrated with the monitoring systems for SCE's grid operations, if the TOPD alarms then the grid operations team will determine next steps, e.g., verifying the type of event, validating the alarm and determining the appropriate response. If an actual open phase condition results in a faulted event, SCE has procedures in place for system restoration to respond to the fault.

The number of circuit miles capable of these settings

TOPD scheme may only be deployed for transmission lines that have single-conductor per phase and connect between two substations. TOPD installations through 2025 will have covered nearly all Transmission circuits in HFRA capable of this technology. TOPD is not deployable on distribution circuits.

An estimate of the effectiveness of the settings

In 2020, SCE evaluated two false positive events related to a fault on a transmission line which resulted in the refinement of the logic scheme by incorporating a 0.7 second delay timer. This made TOPD logic less susceptible to events that normally occur on the system and are not related to open phase events. The deployment of TOPD across different regions is required to identify similar/new challenges with the security of the TOPD logic since each Transmission line will vary in complexity. This complexity is related to factors, such as line loading, number or terminals, CT ratios, and frequency of faults within the region. All these factors play a role in the effectiveness of the TOPD. From the 2021 efforts, SCE learned that TOPD detection depends on seasonal factors. For instance, factors such as current transformer (CT) [176] ratios and seasonal loading profiles may impact the technology's ability to sense an open phase (generally more loading is better for TOPD detections).

The TOPD sensitivity is dependent upon the available Transmission line loading and CT ratios. If the minimum arming requirements are met, the TOPD is expected to successfully detect an Open Phase condition. To date, TOPD logic is mostly accurate except for a few false positive alarms. SCE is continuing to refine its TOPD logic to improve detection accuracy.

[176] The components used to monitor the Transmission lines are CTs. The TOPD scheme is a current-based algorithm and requires a minimum loading of current to be armed based on CT ratios. The higher the CT ratio, the more line loading that is required for the TOPD scheme to operate correctly.

8.1.8.1.3.3 Distribution Open Phase Detection (DOPD)

Settings to reduce wildfire risk

A Distribution Open Phase Detection (DOPD) scheme aims to detect open phase (broken conductor) conditions on the distribution system. The scheme focuses on reducing ignition risk associated with wire-down incidents for both bare and covered conductor systems, by allowing the protection system to isolate a separated conductor before the wire contacts the ground. SCE's detection scheme leverages existing recloser installations at circuit tie-points and pairs these devices with new high-speed radio installations (point-to-point communications) to detect a separated conductor. Once detected, an alarm operation is rapidly deployed to an upstream source recloser. The pilot effort also helps SCE understand the potential for additional circuit outages related to the increased sensitivity of this protection system.

Analysis of reliability/safety impacts for settings the electrical corporation uses

DOPD settings have been vetted through extensive Power System Computer-Aided Design simulations and RTDS to ensure that DOPD settings deployed will respond correctly to normal system transients and reliably detect for open phase conditions.

Criteria for when the electrical corporation enables the settings

DOPD is in the pilot stage and is engineered to provide alarm indication only. If DOPD is successful, then SCE's grid operations will work to identify how such devices should be used (e.g., whether deployed to continuously monitor or in response to certain conditions) and incorporate these protocols into relevant standard operating bulletins.

Operational procedures for when the settings are enabled

As the deployment is still in the pilot phase, there are no specific actions required for DOPD alarms at this time. Since DOPD alarms are integrated with the monitoring systems for SCE's grid operations, if the DOPD alarms then the grid operations team will determine next steps, e.g., verifying the alarm and determining the appropriate response. If an actual open phase condition results in a faulted event, SCE has procedures in place for system restoration to respond to the fault.

The number of circuit miles capable of these settings

DOPD can be deployed on all mainline circuits that are solidly grounded and have a high-speed communication channel.

An estimate of the effectiveness of the settings

The DOPD scheme is intended to successfully detect Open Phase conditions for its zone of protection. If successful at detecting open phase conditions and isolating lines prior to the lines contacting ground, the DOPD system is expected to reduce ignition probability. The success rate for detecting open phase conditions and isolating lines in the required time is still under review. Evaluation includes: (1) Ability to identify and isolate an open phase condition within 1.2 seconds; 177 (2) Reduction in number of energized wire-down events; (3) System reliability impacts from false detections with an operational OPD scheme; and (4) Costs for broad scale deployment of OPD systems.

[177] Using the freefall equation, 1.2 seconds is the estimated time it would take for a Distribution conductor to hit the ground after separating.

8.1.8.2 Grid Response Procedures and Notifications

The electrical corporation must provide a narrative on operational procedures it uses to respond to faults, ignitions, or other issues detected on its grid that may result in a wildfire including, at a minimum, how the electrical corporation:

- *Locates the issues*
- *Prioritizes the issues*
- *Notifies relevant personnel and suppression resources to respond to issues*
- *Minimizes/optimizes response times to issues*

Locates the issues detected

Identification of issues detected on the grid can come from a number of sources, including analysis of meter data, HD cameras, customer calls, circuit patrols (including PSPS pre- and post-event patrols), and grid monitoring equipment.

Prioritize issues detected

Prioritization depends on severity of issue and the circumstances of the event, e.g., a fault in HFRA during a fire weather threat (FWT) period may be prioritized over less potentially severe issues. Public safety issues (such as wires down, 911 emergencies) are typically prioritized first, followed by reliability/significant customer issues, then power quality related (voltage problems, etc.). However, prioritization of such matters would still depend on circumstances, including whether there is an immediate safety issue present, and typically reviewed at our dispatch operations centers.

For protection equipment, such as RARs, SCE follows SOB 322 procedures to prioritize the issues identified.

For fires detected through SCE's HD cameras, SCE will map the location of the fire and conduct a fire threat assessment related to SCE's infrastructure. SCE will prioritize threats based on proximity to bulk power, distribution lines, generation facilities, and public assets at risk, as these will have the greatest downstream impacts to customers.

Notifies relevant personnel and suppression resources to respond to issues detected

In HFRA, SCE typically de-energizes and sends out a troubleman to patrol the entire line to find and address any damage prior to re-energization. In certain circumstances, SCE may send out a troubleman to investigate the line first, prior to making any decisions about de-energization.

For an energized wire down detected by smart meters, such as through Meter Alarm Down Energized Conductor (MADEC), the alerts are sent to a switching center, which will take appropriate steps prior to de-energizing the line. For Primary Issue Alerts,[178] SCE sends a troubleman to investigate the issue.

Furthermore, for fires and other emergencies, SCE's Public Safety Partners are already integrated with the same HD camera networks and email alerts as SCE for fires in their areas. SCE works with responding

[178] Primary Issues Alerts are system-generated alerts that notify SCE's grid operations about possible primary issues based on meter exception data and SCE connectivity information.

fire agencies to coordinate emergency response, damage assessment, and electrical service restoration. SCE also provides year-round standby funding to Orange County, Los Angeles County, and Ventura County to be able to use helitankers to aid with fire suppression in SCE's service area.

For PSPS, SCE will send out pre- and post-event patrols to monitor the lines for any hazards prior to re-energization.

Minimizes/optimizes response times to issues detected

SCE works to ensure that enough troublemen are assigned to cover each area to lower response times. This may include, for example, assigning more troublemen to report to districts with a higher frequency of events and obtaining additional resources when needed (e.g., from adjacent sectors or from other personnel). For wire-downs, SCE typically measures the response time from the time of the call to the time of arrival at the location.

Circuit patrols also carry some limited fire suppression resources in case of sparks or ignitions discovered during a patrol performed pursuant to SOB 322.

For fires, SCE has a 24-7 Watch Office that monitors fires and coordinates with SCE's Grid Control Center to advise of any fire threats to the bulk power system. SCE's Fire Management organization will also reach out to the troublemen at the affected District(s) to provide liaison support, such as coordination for potential de-energizations and to provide detailed information about the fire.

For PSPS events, SCE will assess where to pre-stage staff resources prior to an inclement weather event. SCE also deploys CCVs to areas where an extended outage is anticipated/experienced.

8.1.8.3 Personnel Work Procedures and Training in Conditions of Elevated Fire Risk

The electrical corporation must provide a narrative on the following:

- *The electrical corporation's procedures that designate what type of work the electrical corporation allows (or does not allow) personnel to perform during operating conditions of different levels of wildfire risk, including:*
    - *What the electrical corporation allows (or does not allow) during each level of risk*
    - *How the electrical corporation defines each level of wildfire risk*
    - *How the electrical corporation trains its personnel on those procedures*
    - *How it notifies personnel when conditions change, warranting implementation of those procedures*

Training personnel performing high risk grid operating procedures in elevated fire conditions is necessary to promote sound decision-making and to reduce the chance of utility-associated ignitions. SCE has implemented work procedures that outline the necessary steps to mitigate ignitions associated with crews and equipment in HFRA and empower qualified employees to request temporary de-energization of a line or line segment. These procedures also contain provisions which restrict or delay field work when conditions call for such action. Non-emergency/routine work involving hot work activities shall be cancelled when working on or near circuits under consideration for or de-energized due to a PSPS event. SCE also provides these employees with the training necessary to safely perform

these activities. All personnel responses to issues on the grid are subject to SOB 322 operating restrictions in HFRA and PSPS Outages, which are captured by the Hazard Event Restriction and Management Emergency System (HERMES) application within SCE's Grid Management System (GMS). The HFRA Hot Work Restriction and Mitigation Measures program applies to both SCE employees and contractors and is intended to reduce their risk of causing an ignition during the normal course of work in HRFA when the weather and fuel conditions are more susceptible to fire ignitions.

SCE provides annual training to all field personnel (both employees and contractors) performing wildfire mitigation activities, patrols, and live field observations, which includes all updates to SOBs, which encompass operating protocols, remedial actions, communication and notification protocols, ratings and limits of lines and equipment, and system protection schemes. In addition, the training includes PSPS Operating Protocols, PSPS Decision-Making Tool Enhancements, Patrolling and Live Field Observation for field operations, and Field Operations Tool Training. This training will be refreshed for all field personnel performing the same types of patrols in 2023, which includes both experienced and new resources.

SCE will continue to provide training to field personnel prior to every wildfire season, as additional resources are onboarded every year that will need to be trained. The annual training will include updates to all SOBs and any updates in work restriction procedures. SCE continues to refine its training program based on feedback from field employees and its QC program.

The electrical corporation's procedures regarding deployment of firefighting staff and equipment (e.g., fire suppression engines, hoses, water tenders, etc.) to construction and/or electrical worksites for site-specific fire prevention and ignition mitigation during on-site work

When SCE crews perform construction and maintenance work in the field, especially if it is considered "hot work," there is a small chance of generating sparks, arcs or incandescent particles. "Hot work" is defined as activities that are capable of initiating a fire or generating potential ignition sources. SCE and contract crews performing this work are equipped with basic fire mitigation and suppression tools.

SCE's HFRA Hot Work Restriction and Mitigation Measures program contains provisions to mitigate crew caused ignitions and are in effect whenever performing hot work activities in SCE's HFRAs, with limited exceptions. The program requires SCE and contract crews performing hot work activities to be equipped with basic fire mitigation and suppression tools with the goal of preventing ignitions and rapidly responding to incipient stage ignitions should one occur during the normal course of their work in the field.

SCE performed benchmarking studies regarding dedicated fire suppression resources and services with other utility companies and determined that the number and size of ignitions first encountered by field crews did not support pursuing professional, private firefighting resources at this time. SCE will continue using its existing HFRA Hot Work Restriction and Mitigation program and related protocols that are in place to help prevent crew or equipment caused ignitions, and in the event of an ignition, the crews will use their equipment, such as fire extinguishers, shovels, and/or rakes, to put out incipient stage fires that could occur during the course of their activities in the field. SCE will also continue to monitor the risks posed by ignitions first encountered by its field crews and consider professional firefighting crews as an option in future iterations of its WMP.

8.1.9 Workforce Planning

In this section, the electrical corporation must report on qualifications and training practices regarding wildfire and PSPS mitigation for workers in the following target roles:

- *Asset inspections.*
- *Grid hardening.*
- *Risk event inspection.*

For each of the target roles listed above, the electrical corporation must:

- *List all worker titles relevant to the target role.*
- *For each worker title, list and explain minimum qualifications, with an emphasis on qualifications relevant to wildfire and PSPS mitigation. Note if the job requirements include:*
- *Going beyond a basic knowledge of GO 95 requirements to perform relevant types of inspections or activities.*
- *Being a "Qualified Electrical Worker" (QEW). If so, define what is required by the electrical corporation for it to consider a worker to be a QEW in terms of certifications, qualifications, experience, etc.*
- *Report the percentage of electrical corporation and contractor full-time employees (FTEs) in the target role, with specific job titles.*
- *Report plans to improve qualifications of workers relevant to wildfire and PSPS mitigation work. The electrical corporation must explain how it is developing training programs that teach electrical workers to identify hazards that could ignite wildfires.*

SCE summarizes the applicable information in the tables below for each of the target roles identified. Full time employee (FTE) figures represent counts and percentages as of month-end November 2022 and include SCE and contractor field workers relevant to each target role. It is important to note that worker counts can fluctuate throughout the year depending on work required, resource availability, etc., particularly with contract workers. Below each table, SCE provides a more detailed description of the qualifications for each role, as well as discussion on training and plans to improve worker qualifications.

8.1.9.1 Target Role: Asset Inspections

SCE performs detailed inspections of SCE's overhead distribution and transmission electric system in its HFRA that meet and exceed compliance requirements. For details on SCE wildfire-related inspection programs, please see Section 8.1.3

SCE performs aerial and ground detailed inspections of its transmission and distribution assets to identify hazards that could lead to safety and reliability issues. SCE uses employees and contractors to take high-definition imagery of assets from the air, either via helicopter or unmanned aircraft system (UAS). In some cases, helicopters will also collect LiDAR data.

SCE Aircraft Operations employs a rigorous aviation vendor qualification audit to determine a

prospective aviation vendor's suitability to provide aviation services for SCE. Appropriate Federal Aviation Administration (FAA) certifications[179] are a basic conditional check during aviation audits. Only aviation vendors approved under this process are eligible for SCE contracts involving aviation activities.

SCE uses employee and contract Inspectors to perform ground and aerial inspections. These Inspectors identify structural issues that may require possible remediations based on these inspections and create a notification.

Our worker qualifications and training for Asset Inspections will evolve and adapt in accordance with any future changes to our inspection programs, designs, and operational practices.

Table 8-9 details the worker titles and associated statistics pertaining to Asset Inspections. For purposes of this table and target role, "Special Certification Requirements" includes: Qualified Electrical Worker QEW),[180] FAA Certification and Infrared Thermographer Level III.[181]

[179] FAA certification required for helicopter pilots are 14 CFR 61, 91 and 133; FAA certification required for UAS pilots is 14 CRF 107 or higher. FAA certification is not required for UAS observers.

[180] A Qualified Electrical Worker (QEW) is an individual who has a minimum of two years' training and experience with exposed high voltage circuits and equipment and demonstrated familiarity with the services to be performed and the hazards involved. In addition, for roles where it is applicable, SCE specifies in its contracts with vendors that the contractors at a minimum should meet the qualifications for a QEW as defined by the International Brotherhood of Electrical Workers (IBEW) Local No 47. SCE also specifies that contractors that perform Journeyman Lineman tasks on SCE's Distribution system must be certified "Journeyman Linemen" as determined by criteria set forth by IBEW Local No 47.

[181] A Level III thermographer is primarily a thermography program manager who writes the company's written predictive maintenance/inspection practices, develops the test procedures and severity criteria, determines how often equipment should be inspected, and calculates the return on investment the thermography program is providing. By completing this advanced infrared training, a Level III thermographer can provide guidance to Level I and II certified personnel. The Level III thermographer is the resource to consult when repeat equipment problems necessitate a review of operating and maintenance procedures or involve a redesign of equipment.

Table 8-9 - Workforce Planning, Asset Inspections

Worker Title	**Minimum Qualifications for Target Role**	**Special Certification Requirements**	**Electrical Corporation % FTE Min Quals**[182]	**Electrical Corporation % Special Certifications**[183]	**Contractor % FTE Min Quals**[182][182]	**Contractor % Special Certifications**[183]	**Reference to Electrical Corporation Training/Qualification Programs**
ELECTRICAL SYSTEM INSPECTOR	See Below	N/A	40.6%	N/A	34.7%	N/A	See ESI Training in Table 8-9-1, "New Electrical System Inspector (ESI) Training " and "Existing ESI Inspection Training"
JOURNEYMAN TRANSMISSION/DISTRIBUTION LINEMAN	See Below	QEW	19.8%	100%	25.6%	100%	See Training for Aerial Inspection in Table 8-9-1, "Aerial Inspection Training"
PATROLMAN	See Below	QEW	29.5%	100%	0%	N/A	See below
HELICOPTER PILOT	See Below	FAA Certified	3.6%	100%	0%	N/A	See below
SENSOR OPERATOR	See Below	N/A	1.5%	N/A	0%	N/A	See below
GENERATION: TECHNICIAN, HYDRO ELECTRICIAN & INSTRUMENT CONTROL /ICE TECHNICIAN	See Below	QEW	1.0%	100%	0%	N/A	See below
GENERATION: HYDRO FOREMAN ELECTRICIAN & INSTRUMENT CONTROL TECHNICIAN /FOREMAN, ICE TECHNICIAN	See Below	QEW	2.0%	100%	0%	N/A	See below
GENERATION: OPERATOR, CHIEF HYDRO STATION	See Below	N/A	1.0%	N/A	0%	N/A	See below
GENERATION: HYDRO OPERATOR MECHANIC /PLANT EQUIPMENT OPERATOR	See Below	N/A	1.0%	N/A	0%	N/A	See below
UAS PILOT	See Below	FAA Certified	0.0%	N/A	17.6%	100%	See below
UAS OBSERVER	See Below	N/A	0.0%	N/A	17.6%	N/A	See below
INFRARED THERMOGRAPHER	See Below	N/A	0.0%	N/A	2.8%	N/A	See below
INFRARED GENERAL MANAGER THERMOGRAPHER	See Below	Infrared Thermographer Level III	0.0%	N/A	0.6%	100%	See below
AERIAL DESKTOP FOREMAN	See Below	QEW	0.0%	N/A	1.1%	100%	See below
			100%		100%		

[182] "% of FTE Min Quals" column = # of SCE Workers in each Worker Title / Total # of SCE Workers in the Table. The same logic applies for Contractor.
[183] "% Special Certification" column = # of SCE workers in that Worker Title that have the special certification / total number of SCE workers in that Worker Title. The same logic applies for Contractor.

General Minimum Qualifications:

Workers who conduct detailed transmission, distribution overhead (or underground) and aerial electrical inspections must have knowledge of the basic uses and functions of electrical equipment, hand tools, power tools, techniques in performing electrical system inspections andrepairs. Workers must understand the fundamentals of electric circuitry and operation of electrical equipment. Further, workers must understand SCE standards, policies and procedures, and basic GO 95 requirements.

A Qualified Electrical Worker (QEW) is an individual who has a minimum of two years' training and experience with exposed high voltage circuits and equipment and demonstrated familiarity with the services to be performed and the hazards involved. In addition, for roles where it is applicable, SCE specifies in its contracts with vendors that the contractors at a minimum should meet the qualifications for a QEW as defined by the International Brotherhood of Electrical Workers (IBEW) Local No 47. SCE also specifies thatcontractors that perform Journeyman Lineman tasks on SCE's Distribution system must be certified "Journeyman Linemen" as determined by criteria set forth by IBEW Local No 47.

Additional Minimum Qualifications:

ELECTRICAL SYSTEM INSPECTOR: Responsible for performing inspections of distribution poles and equipment and must pass the required Edison Electric Institute (EEI) aptitude test as well as have the ability to obtain and maintain a California driver's license. Inspectors must also have knowledge of: Basic electricity and electrical distribution principles; computer programs and email systems; company work rules, regulations and policies, construction methods, procedures, and standards; SCE's Accident Prevention Manual and safe work practices; and the motor vehicle code.

JOURNEYMAN TRANSMISSION/DISTRIBUTION LINEMAN: Responsible for performing construction and maintenance work on overhead and underground facilities. Journeyman linemen are QEWs and must have working experience as a lineman or groundman and graduated from SCE's apprenticeship program and have working knowledge of SCE's Accident Prevention Manual. Linemen must also have successfully passed a pre-hire physical assessment. Skills and abilities required by this job are of a level normally acquired by completion of job-related high school courses and the apprenticeship program for Lineman.

PATROLMAN: Responsible for patrolling, inspecting, and ensuring assigned transmission lines are properly maintained. Transmission Senior Patrolmen are QEWs and must have knowledge of: equipment, tools, techniques, and methods employed in the construction, installation, maintenance, and repair of overhead line facilities, roads, trails, and rights-of-way (ROWs); stresses, strains, and rigging; safety regulations; capabilities and limitations of insulator washing equipment; transmission overhead and underground circuitry and switching; and SCE's Accident Prevention Manual. The knowledge, skills, and abilities required for this job are of a level comparable with those normally acquired through ahigh school education, supplemented by technical study, extensive training, and experience as a journeyman, patrolman or lineman.

HELICOPTER PILOT: Responsible for conducting routine and complex missions including power line patrols, passenger transports, photo flights, positioning flights, snow surveys, and external load missions, as required. Pilots are FAA certified and must also have knowledge of: all applicable governmental aviation regulations, company policies, procedures, practices, work instructions, and FAA Regulations, 14 CFR Part 91 & 133. The knowledge, skills, and abilities required of this job are of a level comparable with those with a high school education and a minimum of 3,000 hours of helicopter pilot in command and 250 hours pilot in command above 5,000 feet. Pilots must also possess and maintain a Class II FAA Medical Certificate and a valid California driver's license.

SENSOR OPERATOR: Responsible for remote sensing mission planning, sensor configuration, and understanding complex sensing system technology from data collection to product hand off. The knowledge, skills, and abilities required for this job include operating and maintaining complex sensing equipment as part of an aircrew onboard a helicopter; and understanding the evolution of advanced three-dimensional geospatial tools and analysis as this has a direct bearing on the collection of data with remote sensing equipment.

GENERATION: HYDRO ELECTRICIAN & INSTRUMENT CONTROL TECHNICIAN/ICE TECHNICIAN: Responsible for maintaining, repairing and installing computerized control systems. Must have knowledge of: Basic power plant system operations; electrical and pressure instruments and devices and functions as related to power plant systems; tools, methods, materials and techniques used in repair, adjustment and testing, including computerized tooling and interface hardware and software; theory of electricity, mechanics and instruments; materials, methods, practices and tools used in installation and maintenance; principles of physics and advanced mathematics; county and state electrical code; SCE's Accident Prevention Manual and environmental regulations and procedures. The knowledge, skills, and abilities for this job are of a level comparable to those normally acquired through a high school education, additional technical study, and knowledge of complex digital and analog control systems and equipment; plus, experience typically attained in a similar technical field or journeyman electrician.

GENERATION: HYDRO FOREMAN ELECTRICIAN & INSTRUMENT CONTROL TECHNICIAN /FOREMAN, ICE TECHNICIAN: Supervises and oversees repairs and installations of control systems. Must have knowledge of: Basic power plant system operations; electrical and pressure instruments and devices and functions as related to power plant systems; tools, methods, materials and techniques used in repair, adjustment and testing, including computerized tooling and interface hardware and software; theory of electricity, mechanics and instruments; materials, methods, practices and tools used in installation and maintenance; principles of physics and advanced mathematics, county and state electrical code; SCE's Accident Prevention Manual, safety rules and regulations, environmental regulations and procedures. The knowledge, skills, and abilities for this job are of a level comparable to those normally acquired through a high school education, additional technical study, and knowledge of complex digital and analog control systems and equipment; plus, experience typically attained in a similar technical field or journeyman electrician.

GENERATION: CHIEF HYDRO STATION OPERATOR: Supervises and controls the operation of hydroelectric generating stations and related equipment; dams, intakes, forebays, spillways, and water conduits to assure efficient loading and operations of the Hydro Division plants. Must have knowledge of: Fundamentals of electricity, basic Alternate Current-Direct Current (AC-DC) theory, computer theory and language; hydraulics and the principles of physics; dispatching, system operating and water management procedures and operator's duties; general electrical and mechanicalmaintenance; overall plant facilities and operating characteristics; and SCE's Accident Prevention Manual. The knowledge, skills, and abilities required for this job are of a level comparable to those normally acquired through a high school education and extensive progressive training and experience in hydro generating plant operations.

GENERATION: HYDRO OPERATOR MECHANIC/PLANT EQUIPMENT OPERATOR: Operates attended and unattended hydroelectric generation stations; dams, intakes, fore bays, spillways, and water conduits; and related electronic, electrical, mechanical, hydraulic and pneumatic equipment. Must have knowledge of: electrical, hydraulic, pneumatic and mechanical equipment; basic computer theory and language, system construction, capacity, limitation, theories of operation and operating procedures; plant design and equipment locations, valve configurations, and normal range of flows, temperatures, levels, methods to clear equipment; tools, safety rules, equipment and systems malfunctions; reporting procedures and practices, maintenance procedures and practices; and electrical and mechanical prints, rigging standards, generation plant terminology and nomenclature. The knowledge, skills, and abilities required of this job are of a level comparable to those normally acquired through a high school education and considerable experience operating and maintaining a generation facility.

UAS PILOT: Responsible for conducting UAS missions, including preflight inspections, specific aircraft and ground control station checks, maintenance, and operational safety activities. Must possess a current and valid Federal Aviation Remote Pilot Certificate (14 CFR 107 or higher, as appropriate) and be proficient in operating each UAS model appropriate to the current pending mission profile. The knowledge, skills, and abilities required for this job include the capability of mission planning relative to the appropriate level of mission complexity and federal certification.

UAS VISUAL OBSERVER: A visual observer is considered an optional crewmember for most operations under 14 CFR Part 107. There are, however, more complex instances in which at least one visual observer will be required by SCE UAS Operations. The UAS Operator and UAS Observer are responsible for functioning as a crew in a safe, responsible and coordinated manner.

INFRARED THERMOGRAPHER: Responsible for performing thermal inspections of poles and equipment. Must be certified as a level-one thermographer and possess 40-hours minimum of field and office training and pass an associated written exam administered by Osmose or an outside agency. The knowledge, skills, and abilities required for this job include a basic understanding of electrical and communication infrastructure and GO 95. Additionally, level-one thermographers are provided specific training on the cameras used for the patrol and capture of IR images used for SCE's reports.

INFRARED GENERAL MANAGER THERMOGRAPHER: Responsible for training and managing of level-one thermographers and must be certified as a level-three thermographer. Minimum qualifications include the level-one thermographer requirements, plus an additional 32-hour training program and certification exam administered by an outside agency. Level-three thermographers are also responsible for the creation and evaluation of reports containing IR imagery; designing and implementing written procedures; and understanding regulatory requirements with a focus on safety and compliance. Level-three thermographers are trained and certified through the IR Training Center systems company.

AERIAL DESKTOP FOREMAN: Supervise work performed by desktop inspectors to help ensure the work is performed qualitatively. Oversees and approves timesheets related to hours worked. Requires knowledge of SCE Standards relating to construction and Inspections. Skills and abilities required for this job are of a level comparable with those normally acquired through a high school education and extensive training and experience as a Journeyman Lineman.

Training and plans to improve worker qualifications:

To facilitate asset inspection work, SCE implements training for those performing inspections. This technical training prepares workers to perform their jobs safely, comply with regulatory requirements and laws, maintain system reliability, and meet the demands of new technology. SCE will continue to deploy new work methods and technologies in support of wildfire activities. SCE's risk-informed inspection strategy involves using new tools to help perform field inspections, modify inspection checklists to evaluate asset conditions, and establish new processes. These new technologies and work methods require the creation of new training material and deployment of the training to SCE employees. In addition to technical competency, this training must provide education and clarification on new procedures and standards, building upon lessons learned obtained from field activities. SCE also conducts training for workers in the Risk Event Inspection role related to its wildfire mitigation and PSPS work, which is described in Section 8.1.9.3 Table 8-11 below.

Separately, SCE surveys its workers to identify where more focused training may be needed. These surveys provide information at the employee and supervisor level, which allows SCE to identify specific areas where individuals may benefit from additional training.

As technical aspects (e.g., process, technology, or tool changes) of SCE's various inspection programs change, SCE will provide the requisite training to those who will be performing inspections. Further, SCE will update its training program based on lessons learned and provide refresher training as necessary to communicate changes in protocols. For example, SCE continuously adds or updates material as supplements to its training for Electrical System Inspectors (ESIs) who perform inspections through SCE's Overhead Detail Inspection and/or HFRI programs, as shown in Table SCE 8-01.

SCE requires all new ESIs to take the comprehensive training identified below. In addition, all ESIs take regular refresher training every 12 months to incorporate new processes, procedures, and lessons-learned relevant to inspection practices; and engage in a comprehensive quality and consistent program to help ensure accurate and consistent inspections. The program consists of four major components all focused on improving inspection quality and to help ensure inspection results are consistent.

Table SCE 8-01 -SCE Training Courses Specific to Asset Inspections

Course Name	Course Description
New Electrical System Inspector(ESI) Training 1. Introduction 2. Safety 3. Tools 4. Equipment Recognition 5. Clearances 6. Detailed Inspection 7. Inspect App 8. Notifications 9. Repairs 10. Private Property 11. Quality Assurance (QA)	1. Describe GOs 95 & 165, explain purpose of inspection programs 2. Requirements of Inspection safety for ESIs, guidelines for PPE, safe driving & parking 3. Identify tools, proper maintenance of tools, how to use tools safety 4. Identify common Distribution equipment and purpose of equipment. How to identify damage 5. Measure & report clearances that legally define basic minimum allowable vertical clearance values 6. Purpose & duties regarding inspections, steps of the inspection method, describe P1 conditions, purpose of Annual Grid Patrol 7. Layout of survey questions by category, practice answering surveyquestions on iPad 8. Categorize different types of Priority conditions, how & when todocument notifications, how to make changes in the field tool 9. Precautions to take prior to making repairs, proper actions to takefor repairs they cannot make 10. Outline responsibilities of ESI, describe access issues an ESI faces and how to approach and remedy 11. At the end of this module ESI's will be able to explain elements &purpose of QA Program and how it applies to ESI 12. Explain their part in the inspection, repair and reporting of overhead structures 13. Training refresher annually
Existing ESI Inspection Training	1. ODI Survey App Reference Guide (Responding to Survey Questions) 2. Inspection App User Guide 3. ESI Help Guide 4. Laser Rangefinder – TruePulse 360 Quick Start Manual

	5. Overhead Detail Inspections (ODI) Covered Conductor Training 6. New ESI Training (Details above)
Aerial Inspection Training	1. Identify common Distribution equipment and purpose of equipment. How to identify damage 2. Purpose & duties regarding inspections, steps of the inspection method, describe P1 conditions 3. Layout of survey questions by category, practice answering survey questions on Inspection Application 4. Categorize different types of Priority conditions, how & when to document notifications 5. Outline responsibilities of Aerial Inspectors, including photos capturing misalignment, for example, blurriness, oblique, and improper contrast photos. 6. At the end of this training, Aerial Inspectors will be able to identify appropriate level of priority risk-based Notifications. 7. Explain their part in the inspection and reporting of overhead structures
Transmission Inspection Training	1. Overview of program, including schedule, deadlines and targets 2. Layout of survey questions, with emphasis on new questions or question changes 3. Outline responsibilities of Transmission Ground Inspectors

8.1.9.2 Target Role: Grid Hardening

SCE's Grid Hardening activities focus on implementing grid infrastructure that mitigates the risks of ignitions associated with utility equipment. This includes several activities, such as deploying covered conductor, undergrounding of overhead lines, installing system automation equipment, remediating issues with long conductor spans, replacing old and potentially faulty equipment, and more. For more information on SCE's Grid Hardening programs, please see Section 8.1.2.

Table SCE 8-10 details the field worker titles and associated qualifications pertaining to Grid Hardening.

Table 8-10 - Workforce Planning, Grid Hardening[184]

Worker Title	Minimum Qualifications for Target Role	Special Certification Requirements	Electrical Corporation % FTE Min Quals[182]	Electrical Corporation % Special Certifications[183]	Contractor % FTE Min Quals[182]	Contractor % Special Certifications[183]	Reference to Electrical Corporation Training/Qualification Programs
TRANSMISSION /DISTRIBUTION APPRENTICE LINEMAN	See below	N/A	15.1%	N/A	17.3%	N/A	See Distribution Apprentice Lineman program in Table 8-02 and Transmission Apprentice Lineman training in Table 8-03
JOURNEYMAN TRANSMISSION /DISTRIBUTION LINEMAN	See below	QEW	32.8%	100%	41.5%	100%	See below
FOREMAN	See below	QEW	16.4%	100%	18.8%	100%	See below
GROUNDMAN	See below	N/A	20.2%	N/A	21.7%	N/A	See below
SPLICER	See below	QEW	3.0%	100%	0.7%	100%	See below
SUBSTATION MAINTENANCE ELECTRICIAN	See below	QEW	5.7%	100%	0.0%	N/A	See Substation Electrician Apprentice Program (SEAP) in Table 8-04 and Acting Operator Training in Table 8-06
TEST TECHNICIAN	See below	QEW	6.6%	100%	0.0%	N/A	See Substation Test Technician Program in Table 8-05 and Acting Operator Training in Table 8-06
GENERATION: TECHNICIAN, HYDRO ELECTRICIAN & INSTRUMENT CONTROL /ICE TECHNICIAN	See below	QEW	0.1%	100%	0.0%	N/A	See below
GENERATION: FOREMAN, HYDRO ELECTRICIAN & INSTRUMENT CONTROL TECHNICIAN /FOREMAN, ICE TECHNICIAN	See below	QEW	0.1%	100%	0.0%	N/A	See below
GENERATION: HYDRO OPERATOR MECHANIC /PLANT EQUIPMENT OPERATOR	See below	N/A	0.0%	N/A	0.0%	N/A	See below
			100.0%		100.0%		

[184] The SCE worker population identified in this Table overlaps with the SCE worker population identified in Section 8.1.9.2 (Risk Event Inspections), as these FTE can perform both target roles.

General Minimum Qualifications: Workers are required to have knowledge of applicable Accident Prevention Manual rules, SCE standards, policies and procedures, GO 95/128; electrical theory and mechanical principals.

Additional Minimum Qualifications:

TRANSMISSION/DISTRIBUTION APPRENTICE LINEMAN: Knowledge of and proficiency in the principles of electricity and mechanics; characteristics of electrical AC and DC circuits; the connections of electrical apparatus; equipment, circuits and their functions; principles of physics and advanced mathematics. In addition, must possess knowledge of SCE's Accident Prevention Manual and proficiency in safe work practices, County and State Electrical Code; rigging practices; and proper and safe use of cleaning agents. The knowledge, skills, and abilities required for this job are of a level comparable with those normally acquired through courses taken in obtaining a high school education and considerable working experience in electrical repair work. Table SCE 8-02 and Table SCE 8-03 below details the associated training pertaining to the Distribution and Transmission Apprentice Lineman.

JOURNEYMAN TRANSMISSION/DISTRIBUTION LINEMAN: See qualifications of Lineman in Section 8.1.9.1.

FOREMAN: Oversee work performed by their crews and helps to ensure the work is performed safely. Requires knowledge of and proper use of approved tools, material, equipment, as applied to the construction, maintenance and repair of overhead and underground electrical systems. Skills and abilities required for this job are of a level comparable with those normally acquired through a high school education and extensive training and experience as a Journeyman Lineman.

GROUNDMAN: Assist with overhead and underground work as assigned. General knowledge of principles of electricity and mechanics; characteristics of electrical AC and DC circuits; and the connections of electrical apparatus; equipment, circuits and their functions. In addition, must possess knowledge of SCE's Accident Prevention Manual and safe work practices; rigging practices; and proper and safe use of tools and cleaning agents. The knowledge, skills, and abilities required for this job are of a level comparable with those normally acquired through courses taken in obtaining a high school education.

SPLICER: Responsible for all types of power cable and major electrical equipment and related facilities. Must have knowledge of and proficiency in electrical theory and shop mathematics; methods, practices, and procedures; tools, instruments, equipment and materials; SCE's Accident Prevention Manual and safety rules; established codes and standards; and the nomenclature and functions of parts necessary for installation, replacement, inspection, servicing, overhauling and repairing overhead and underground lines, electrical equipment and related facilities. The knowledge, skills, and abilities required for this job are of a level comparable with those normally acquired through experience as an Electrical Helper or Apprentice Electrician.

SUBSTATION MAINTENANCE ELECTRICIAN: Responsible for the installation, maintenance, and repair of high voltage electrical substation apparatus. Utilizes various meters, testing and diagnostic devices, performs routine testing, troubleshoots equipment problems, performs wiring of substation equipment, dismantles and overhauls CBs, transformers, regulators, and associated substation equipment. Qualification includes completion of the Substation Apprentice Electrician Program and Substation Operators School. The knowledge, skills, and abilities required by the job are of a level comparable with those normally acquired through courses taken in obtaining a high school diploma and the training and experience required to successfully complete the apprentice electrician program.

TEST TECHNICIAN: Responsible for programs and tests, inspections, repairs, relay adjustments, instrumentation equipment, local controllers, pilot wire equipment, battery chargers, and associated devices for the protection, control, and indication of system equipment. Must be a qualified substation operator. The knowledge, skills, and abilities required for this job are normally acquired through completion of high school and/or formal training in electrical engineering, or experience with extensive comprehension of electrical theory and use of principles of electrical theory in actual performance.

GENERATION: HYDRO ELECTRICIAN & INSTRUMENT CONTROL TECHNICIAN/ICE TECHNICIAN: See qualifications of Hydro Electrician & Instrument Control Technician in Section 8.1.9.1.

GENERATION: HYDRO FOREMAN ELECTRICIAN & INSTRUMENT CONTROL TECHNICIAN FOREMAN/FOREMAN, ICE TECHNICIAN: See qualifications of Hydro Electrician & Instrument Control Technician Foreman in Section 8.1.9.1.

GENERATION: CHIEF HYDRO STATION OPERATOR: See qualifications of Chief Hydro Station Operator in Section 8.1.9.1.

Training and plans to improve SCE worker qualifications:

To facilitate grid hardening work, SCE implements training for SCE workers, such as those identified above. This technical training includes core technical training for working on the electric system, as well as specialized training on PSPS, HFRA, grid hardening, etc., and prepares workers to perform their jobs safely, comply with regulatory requirements and laws, maintain system reliability, and meet the demands of new technology. SCE will continue to deploy new work methods and technologies in support of wildfire activities. Wildfire activities may also require the use of new technology, such as situational awareness tools or information technology (IT). The use of new technology is usually accompanied by end-user training to help ensure the appropriate click-through of the application and accurate capture of data. New work methods also require the creation of new training material and deployment of the training to SCE employees. In addition to technical competency, this training will provide education and clarification on new procedures and standards, building upon lessons learned obtained from field activities. For example, these trainings can include Hot Sticks Training, Aerial

Construction Training, etc. SCE provides these trainings through ongoing efforts with existing employees and through its Apprenticeship programs for new employees, which is shown Table SCE 8-02 and Table SCE 8-03. In addition, SCE also provides training program to Substation Maintenance Technician and Test Technician, which is shown in Table SCE 8-04, Table SCE 8-05, and Table SCE 8-06. SCE also conducts training for workers in the Risk Event Inspection role related to its wildfire mitigation and PSPS work, which is described in Section 8.1.9.3 below.

Table SCE 8-02 - SCE Training Courses Specific to a Distribution Apprentice Lineman

Course Name	Course Description
1st Step Distribution Apprentice Lineman Training is comprised of 13 modules 1. Orientation 2. Climbing Basics 3. Grounding 4. Guying 5. Meter Panels 6. OH Services 7. Pole Framing 8. Pole Top Rescue 9. PPE and Safety 10. Primary Conductors 11. Rigging Basics 12. Secondary Conductors 13. Streetlights	Basic Climbing Climbing and Pole Top Rescue, and safety & equipment basics.
2nd Step Distribution Apprentice Lineman Training is comprised of 14 modules 1. Wire Banks 2. AC vs DC 3. Delta vs Wye 4. Ferroresonance 5. Interconnected Systems 6. Orientation 7. Ohms Law 8. Temp Grounding Devices 9. Transformer Design & Theory 10. Transformer Load Calcs 11. Transformer Nameplates 12. Polarity 13. Vectoring 14. Voltage Problems	Basic Theory Introduction to Electrical Theory, vectoring and Ferroresonance.

Course Name	Course Description
3rd Step Distribution Apprentice Lineman Training is comprised of 9 modules 1. Orientation 2. UG Components 3. UG Conductors 4. UG Fuses 5. UG Grounding 6. UG Rules & Regulations 7. UG Structures 8. UG Switches 9. UG Transformer	Underground Underground equipment, rules, and procedures.
4th Step Distribution Apprentice Lineman Training is comprised of 13 modules 1. Orientation 2. Ohms Law 3. Vectoring 4. Ferroresonance 5. Reclosers 6. Fuses 7. HV Testing & Phasing 8. Capacitor Banks & PF 9. Metering Theory 10. Voltage Regulators 11. RCS Theory 12. Ground Banks 13. PE Gear	Advanced Theory Application and deep dive of Electrical Theory. Equipment theory.
5th Step Distribution Apprentice Lineman Training is comprised of 9 modules 1. Orientation 2. Fuses 3. 4kV Rubber Gloving 4. Hot Stick Basics 5. Armor Rods & Gins 6. Corner Pole Taps & Phasing 7. Double Dead-Ending 8. Hot Splicing 9. Hot Stick Skills	Step Hot Stick & Live line Tools Rubber gloving and hot sticking.
6th Step Distribution Apprentice Lineman Training is comprised of 25 modules 1. Orientation 2. Safety Protocol 3. 6.6 Streetlights	Operations and troubleshooting.

Course Name	Course Description
4. Capacitors 5. SOB 322 6. Remote Automatic Reclosers (RAR) 7. Remote Sectionalizing Recloser (RSR) 8. N-1 SOB 311 9. Event Response 10. Circuit Balancing 11. Circuit Maps 12. Clearances & No Test Orders 13. Co-Generation 14. Dist. Ops Responsibilities 15. Emergency Primary Trouble shooting 16. Fault Indicators 17. Fault Interrupters 18. Patrol Collector App 19. Metering ESR 20. PE Gear 21. RCS Switches – Operating 22. Secondary Trouble Shooting 23. Substation Entry & Logbook 24. Switching Procedures 25. Switching Techniques	

Table SCE 8-03 - SCE Training Courses Specific to Transmission Apprentice Lineman

Course Name	Course Description
1st Step: Transmission Apprentice Lineman Training is comprised of 11 modules 1. Orientation 2. Grounding – Induction Mitigation 3. Induction – Guy Wires 4. Pole Climbing Basics 5. Grounding 6. Knife Safety 7. Rigging Basics 8. Guying 9. Pole Framing 10. Pole Top Rescue 11. Rigging	Basic Climbing • Climbing and Pole Top Rescue, and safety & equipment basics. • Rigging Techniques. • Review of more in depth grounding, installing grounds and learning foreign grounds on various configurations. Hanging varying martials in various configurations.
2nd Step: Transmission Apprentice Lineman Training is comprised of 15 modules 1. Orientation 2. Grounding Review 3. Interconnected Systems	Basic Electrical Theory Introduction to Electrical Theory, Transformers, vectoring.

Course Name	Course Description
4. Ohm's Law 5. AC vs. DC 6. Transformer Design and Theory 7. Transformer Polarity 8. Transformer Nameplates 9. Vectoring 10. Delta Vs Wye 11. Transformer Load Calculations 12. Guying 13. Splicing 1. Guying 14. Basic Aerial Construction	
3rd step: Transmission Apprentice Lineman Is comprised of 10 modules 1. Orientation 2. Daggett Orientation 3. Wood Poles and LWSPs 4. Tubular Steels Poles (TSPs) 5. Shotgun Splicing 6. Wire Stringing (Conductors) 7. Towers 8. Insulators 9. Hot Washing from a Truck 10. Working from Space Carts	• Introduction to standard pole configuration and construction • Assemble tower sections. Learn about insulators.
4th step: Transmission Apprentice Lineman Is comprised of 7 modules 1. Cable Pulling 2. Cable Splicing 3. Risers 4. Terminations 5. UG Cable 6. UG Grounding 7. UG Systems Overview	Underground Learn underground equipment, rules, and procedures. Cable Learn to pull cable from vault to Riser, and installing and setting cable support grips
5th step: Transmission Apprentice Lineman Is comprised of 16 modules 1. 4 kV Rubber Gloving 2. Avian Protection 3. Capacitor Banks 4. Change Out Insulators on Energized Lines 5. Distribution Risers 6. Double Dead Ending 7. Energize/De-energized Transformers 8. Fuses and Test Equipment 9. Hot Stick Basics	Rubber Gloving Use HV rubber gloves on energized 4kV lines. Change out insulators with energized lines. TS-5 and OH wiring, including inspection, testing, temporary grounding device, connecting primary taps.

Course Name	Course Description
10. Overhead Transformers 11. Primary Distribution Circuit Transfer 12. Protective Covers 13. Transformer Theory 14. Conductor Ties and Shunts 15. Incorporating the MGPN 16. Grounding Additions	
6th step: Transmission Apprentice Lineman Is comprised of 19 modules 1. Orientation 2. Grid Operations 3. Substation Basics 4. Distribution Circuit Maps 5. Line Programming and Clearances 6. Circuit Field Phasing 7. Wood Pole Inspections 8. Steel Pole Inspections 9. Steel Pole and Tower Inspections 10. Pole and Tower Signs 11. Switch Installation Lead a Work Crew 12. Switch Repair and Maintenance 13. Underground Inspections 14. Underground Service Alerts (USAs) 15. On Job Training (OJT) 16. Pilot Wire 17. Helicopter Operations 18. OJT 19. Lead a Work Crew	• Circuit Phasing • Switching • Submit Grid Ops and Distribution circuit maps changes Learn how to lead crew

Table SCE 8-04 - SCE Training Courses Specific to Substation Electrician Apprentice Program (SEAP)[185]

Course Name	Course Description
Step 1 of this program consists of 3 modules, OJT, and TPEs during a six-month time period: 1. Safety 2. Clearances 3. Personal Grounding	At the end of this step, the apprentice will be able to: • Perform switching in a substation under supervision • Take clearances under supervision • Apply personal grounds under supervision
Step 2 of this program consists of 11 modules, OJT, and TPEs during a six-month time period: 1. Pneumatics Hydraulics 2. Mechanical Concepts 3. Hot Washing 4. Rigging 5. Operating Heavy Equipment 6. Electrical Equipment Grounding 7. High Voltage Connectivity 8. Basic Test Instruments 9. Oil Handling 10. Gas Handling 11. Circuit Breaker Fundamentals	At the end of this step, the apprentice will be able to: • Perform job setup and observe safety precautions during hot wash under supervision • Identify and use tools and fasteners • Tie knots • Inspect slings and shackles • Plan requirements for a given rigging job and operate heavy equipment under Supervision • Clean, bolt, and torque connections • Operate Microhmeter (Ductor), Megohmmeter (Megger), and Multimeters • Perform Dielectric Oil test • Draw DGA sample • Switch and Operate as a "Qualified Operator"

[185] SEAP is a 6-step (3-year) apprenticeship program for New-to-Role employees. The curriculum uses a blended learning approach, including instructor-led, web-based, and On-the-Job Training to provide the Substation Electrician apprentice with the skills and knowledge to install, repair, and maintain high voltage substation electrical equipment.

Course Name	Course Description
Step 3 of this program consists of 5 modules, OJT, and TPEs during a six-month time period: 1. CB Print Reading 2. CBA 3. Timing 4. Advanced CB's 5. Trouble Shooting	At the end of this step, the apprentice will be able to: • Perform Ductor and Megger tests on CBs • Perform timing tests • Perform vacuum bottle tests • Install, setup, run and interpret basic CBA records • Perform gas and oil tests: test purity and moisture of SF6 gas; run gas reclaimer for SF6 breaker; run filter cart for CB oil • Perform CB Mechanical Maintenance using MM sheet and Internal Inspection using overhaul sheet under supervision Troubleshoot CB problems under supervision
Step 4 of this program consists of 16 modules, OJT, and TPEs during a six-month time period: 1. Substation Battery Systems 2. Electrical Checking 3. Electrical Equipment Grounding 4. Substation Print Reading 5. Disconnects and Switchers 6. Intro to Instrument Transformers 7. Pressure Relief Devices and Sudden Pressure Relays 8. Transformer Principles 9. Power Transformers Components, Core, Windings, and Insulation 10. Station Light and Power 11. Water in Paper (Transformers) 12. PTC Construction and Auxiliary Components (Enclose Tank, Cooling, Temp Rise Cooling Cases 13. Dissolve Gas Analysis 14. On-Line Monitoring 15. Transformer Connections 16. Auxiliary Control Circuit	At the end of this step, the apprentice will be able to: Work on hydraulic and pneumatic systems Ground station equipment to the ground grid Perform work on CT's, PTs, and SL&P Install, maintain, and test transformers and the auxiliary equipment under supervision Replace fuses Batteries (check voltage; check bad cells; make necessary connections; check battery charger) Perform Checking duties under Supervision

Course Name	Course Description
Step 5 of this program consists of 19 modules, OJT, and TPEs during a six-month time period: 1. Capacitors 2. LTC Testing and Quality Pointers 3. LTC Maintenance 4. LTC Intro and Theory 5. DTA Record Transfer 6. Intro to Doble Bushings Testing 7. Dry Wall Calibrator 8. Ground Bank and Delta Zig Zag Testing 9. Doble Leakage Reactance Test 10. LTC Testing 11. Transformer Megger Testing 12. Brushing Name Plate 13. Oil Power Factor Test 14. Circuit Breaker Testing 15. Recommended Testing Voltage 16. Surge Arrestor 17. Transformer Testing Safety Protocol 18. TTR Set Up 19. WRM Vanguard Bridge Testing	At the end of this step, the apprentice will be able to: Perform primary conductoring Perform secondary wiring Overhaul LTCs under supervision Installation, maintenance, and adjustment of switches and disconnects Overhaul regulators Balance, check and test shunt and series capacitors Apply covers and barriers Test A Bank Transformers and below Employee will become a qualified electrical worker at the 2-year mark if all conditions are met
Step 6 of this program consists of 7 modules, OJT, and TPEs during a six-month time period: 1. Coaching 2. Decision Making 3. Effective Communication 4. Evaluating 5. Listening 6. Memorable People Exercise 7. Mentoring	At the end of this step, the apprentice will be able to: Perform duties of lead person on major job (e.g., order materials, assign positions on job, tailboard, direct personnel, and complete overhaul sheets).

Table SCE 8-05 - SCE Training Courses Specific to Substation Test Technician Program[186]

Course Name	Course Description
Session 1 of this program consists of 5 modules, OJT, and TPEs during a six-month time period: 1. Print Reading 2. Phasor Analysis 3. Instrument Transformers 4. Protection Suite 5. Initial and Routine Testing	After completing this session, the Test Technician should be able to: • Understand and describe basic circuits on electrical print diagrams and descriptive information • Calculate both voltage and current quantities for wye and delta three-phase transformer connections • Perform basic phasoring using a phasor wheel, and devise connections • Devise auxiliary current transformer connections • Perform the following tests on current and potential transformers • Create data bases • Develop a test plan for a CO relay • Use the Maintenance & Inspection Manual (MIM) to identify the necessary tests for each specific piece of equipment. • Use the necessary prints, including the one line for operation, wiring, and elementary diagrams. • Verify the equipment is labeled correctly • Verify a “bill of materials” form • Compare Station Elementary Diagrams against Wiring Diagrams to verify circuits or correct wire connections • Use Elementary Diagrams to prove or troubleshoot the operation of station equipment

[186] The Test Tech program is a 6-session (3-year) program for New-to-Role employees. The curriculum uses a blended learning approach, including instructor-led, web-based, and On-the-Job Training.

Course Name	Course Description
Session 2 of this program consists of 4 modules, OJT, and TPEs during a six-month time period: 1. Non-Directional Over Current Protection 2. Directional Overcurrent Protection 3. Power Transformer Theory and Calculations 4. Power Transformer Test and Connect	After completing this session, the Test Technician should be able to: • Set and test a directional overload relay. IBC type suggested • Set and test CO and IAC type overload relays • Set and test a directional overload relay • Perform calculations for power transformers and transformer banks by using the appropriate formulas to determine results for: o Full load o Single-phase o Three-phase o Parallel operation o Impedance o Parallel operation o Short circuit current • Perform the following tests on a power transformer: o Transformer turns ratio o Winding resistance (bridge) o Insulation resistance (megger) o Impedance o High voltage Doble power factor tests using DTA software o In service • Calibrate, set, and test gauges, alarms, and controls • Calculate capacitor bank KVAR or MVAR ratings. Balance single capacitor units connected in series and parallel bank configurations. Connect, set, and test shunt capacitor controls.

Course Name	Course Description
Session 3 of this program consists of 3 modules, OJT, and TPEs during a six-month time period: 1. Bank Differential Relays 2. Bus Differential Relays 3. Metering	After completing this session, the Test Technician should be able to: • Set and test a PVD electromechanical bus differential relay. • Set and test station metering. • Perform in-service readings and show the expected results on a test sheet for the following two and three-element watt/var metering: o Substation equipment o Distribution lines o Transmission lines • Set and test a bank differential relay • Perform in-service tests on a bank differential relay. • Properly connect, set, and test the general integrity of the alarms and annunciator equipment. o Plan initial testing of new installations; perform routine testing of in-service schemes; and trip test, adjust, and calibrate alarm relays.
Session 4 of this program consists of 5 modules, OJT, and TPEs during a six-month time period: 1. Distance Relays 2. Ground Relays 3. HCB Relays	After completing this session, the Test Technician should be able to: • Set and test a directional ground relay. IBCG relay suggested. • Perform in-service tests on an IBCG relay • Set and test an HCB relay including the pilot wires and terminal equipment. • Perform in-service testing on an HCB pilot relay scheme. • Set and test a distance relay • Perform in-service tests on a distance relay • Set and test reclosing relays • Set and test automatic substation schemes for Stage I-V substations and automatic-service schemes. • Read and interpret the applicable AC and DC diagrams, flow charts, function

Course Name	Course Description
	numbers, and symbols.

Session 5 of this program consists of 5 modules, OJT, and TPEs during a six-month time period:
1. Prog. Logic Continued
2. LBFB and LBBU Relay Schemes
3. HCB Relays
	After completing this session, the Test Technician should be able to:
	• Properly connect LBFB and LBBU relays
	• Safely set up and operate test instruments/equipment specific to LBFB and LBBU schemes.
	• Apply settings to the relays and test the general integrity of each LBFB/LBBU backup scheme.
	• Plan, initial test, routine test, trip-test, adjust, and calibrate LBFB and LBBU relays.
	• Properly test and set the following power line equipment:
	  • Line traps
	  • Line tuners
	• Properly test and set SWR reference readings.
	• Perform utility functions, including loading and storing a PLC program.
	• Change capacitor control, clock, & PT settings.
	• Test a PLC program and associated equipment after changing a setting.
	• Properly connect, set, and test the general integrity of the relays.

Session 6 of this program consists of 4 modules, OJT, and TPEs during a six-month time period: 1. Substation Automation System (SAS) 2. Regulators	After completing this session, the Test Technician should be able to: • Perform duties of lead person on major job (e.g., order materials, assign

Course Name	Course Description
3. Pilot Relays 4. Leadership and Communication	positions on job, tailboard, direct personnel, and complete overhaul sheets). • Plan initial testing of new installations (whenever necessary); perform routine testing of in-service schemes; trip-test, adjust, and calibrate relays. • Troubleshoot and perform minor repairs to these relays using applicable diagrams and prints.

Table SCE 8-06 - SCE Training Courses Specific to Acting Operator Training[187]

Course Name	Course Description
Kickoff 1. Acting Operator Class Documentation 2. Acting Operator Station Tour 3. Acting Operator Substation Safety Kick-Off	At the end of this session, the participant will be able to: • Identify program documentation • Identify, at a high-level, components of a Substation. • Discuss the expectations of their participation in this program. • Identify safety risks and mitigations in Substations.

[187] New-to-role Electrician Apprentices and Test Technicians are required to take the Acting Operator program as a pre-requisite to their specific New-to-Role programs (SEAP and Test Technician training in Table 8-04 and Table 8-05). The Acting Operator program provides the skills and knowledge to perform routine and emergency switching tasks.

Course Name	Course Description
Session 1 • Session 1 Study Guide (Student Version) o NERC o SCE Electrical System o SOB 12 o Intro to Substations o Personnel o One Lines & Exercises o APM rules o Rack Structures o Power System Safety o Nomenclature & Exercises o Sub Station Logs & Exercises o Power Flow Exercises o SAS o Basic Protection o Live Line Tools o 900 MHz Radio OJT Guidelines 1. One Lines & Symbols OJT 2. Rack Structures OJT 3. Nomenclature OJT 4. Powerflow OJT 5. Logging OJT 6. APX 400 900 MHz Hand-Held Radio OJT 7. Basic Protection OJT o 401-01 Electron Theory o 401-03 Ohm's and Kirchoff's Laws Relating to DC Circuits o 401-04 Evaluating Series and Parallel DC Circuit Performance	At the end of this session, the participant will be able to: • Discuss key resources (e.g., Accident Prevention Manual, System Operating Bulletins, Safety concepts, etc.) that will be used in their role. • Learn and perform key tasks (e.g., using one lines, nomenclature, logging, tracing powerflow, using 900 MHz Radio, etc.). • Discuss basic protection theory (e.g., Electron theory, Ohm's Law and Kirchoff's Law). • Evaluate Series and Parallel DC Circuit Performance .

Course Name	Course Description
Session 2 1. Session 1 Review 2. Basic Protection o Zone of Protection o Overload and Directional o Differential Relays o Bank Protection Relays 3. Ground Systems (Solid & Med) 4. Reclosers 5. Live Line Tools 6. Switching Technique (Tailboard, PDOE) 7. SAS 8. Alarm Processing 9. Red Logbook 10. Pinch Points 11. Disconnects 12. Switching with a Checker 13. MMI and Relay Panel Switching 14. Basic Protection Additional Material 15. Line, Bank & Bus Protection 16. Clearances 17. Routine Switching Practice	At the end of this session, the participant will be able to: • Discuss high level basic protection concepts • Identify safety risks and mitigations (e.g., pinch points, clearances, etc.). • Perform switching tasks based on foundational concepts and knowledge (e.g., ground systems, reclosers, Switching Technique, PDOE, etc.).
Session 3 1. Program Writing OJT 2. Real Time Switch OJT 3. Clearances OJT 4. Field Assignment OJT	At the end of this session, the participant will be able to: • Experience performing program writing tasks • Experience performing real time switching tasks. • Experience requesting clearances • Perform other field assignments

Course Name	Course Description
Session 4 1. Transformers 2. Instrument Transformers 3. Automatic Subs 4. DC Systems 5. Station Light & Power 6. Fuse Replacement 7. Circuit Breakers / Switchers 8. Ino-LECT Racking Device 9. VAR Principles 10. Capacitors 11. Reactors 12. Load Tap Changers and Voltage Regulators 13. Basic Protection (Review, Local Breaker Back up Unit (LBBU), Local Break Failure Back up (LBFB), Differential/Distance Line Protection, Permissive Trip Bus (PTB)/ Fast Bus Blocking (FBB), Fast Curve Relay Settings). 14. Program Writing 15. Grounding Systems/SOB 322	At the end of this session, the participant will be able to: • Identify and describe the purpose and safety risks of common substation equipment. • Discuss basic protection concepts in further detail. • Continue program writing practice • Explain grounding systems/ SOB 322
Session 5 1. Program Writing OJT 2. Real Time Switch OJT 3. Clearances OJT	At the end of this session, the participant will be able to: • Write programs • Switch in real time • Request clearances

Course Name	Course Description
Session 6 1. Review various System Operator Bulletins, Operating Bulletins and APM rules that apply to Emergency Switching. 2. Hands on practices of various Emergency Switching Scenarios. 3. Practice Emergency Logging 4. Technology Integration Introduction	At the end of this session, the participant will be able to: • Identify how and where to find critical resources (e.g., SOBs, APM rules, etc.) pertaining to emergency switching. • Perform various Emergency Switching scenarios. • Perform emergency logging • Identify where to find resources pertinent to the installation, operations, and maintenance of new equipment in the field (Technology Introduction).

8.1.9.3 Target Role: Risk Event Inspection

SCE inspects various risk events – ignitions, outages, wire-down, faults, etc. – to determine cause and to remediate issues. This work is performed by many of the same qualified field personnel who also perform other work on the system, such as Grid Hardening work.

Table 8-11 below details the worker titles and associated qualifications pertaining to these Risk Event Inspections.

Table 8-11 - Workforce Planning, Risk Event Inspection[188]

Worker Title	Minimum Qualifications for Target Role	Special Certification Requirements	Electrical Corporation % FTE Min Quals[182]	Electrical Corporation % Special Certifications[183]	Contractor % FTE Min Quals[182]	Contractor % Special Certifications[183]	Reference to Electrical Corporation Training/Qualification Programs
TRANSMISSION/ DISTRIBUTION APPRENTICE LINEMAN	See below	N/A	14.5%	N/A	17.3%	N/A	See Distribution Apprentice Lineman training in Table 8-10-1 and Transmission Apprentice Lineman training in Table 8-10-2
JOURNEYMAN TRANSMISSION/ DISTRIBUTION LINEMAN	See below	QEW	31.5%	100%	41.6%	100%	See below
FOREMAN	See below	QEW	15.8%	100%	18.7%	100%	See below
GROUNDMAN	See below	N/A	19.4%	N/A	21.7%	N/A	See below
PATROLMAN	See below	QEW	1.9%	100%	0.0%	N/A	See below
SPLICER	See below	QEW	2.8%	100%	0.7%	100%	See below
APPARATUS TECHNICIAN	See below	N/A	2.8%	N/A	0.0%	N/A	See below
TROUBLEMAN	See below	QEW	11.0%	100%	0.0%	N/A	See below
FIPA ENGINEER	See below	N/A	0.3%	N/A	0.0%	N/A	See below
			100.0%		100.0%		

[188] The SCE worker population identified in this Table overlaps with the SCE worker population identified in Section 8.1.9.2 (Grid Hardening), as these FTE can perform both target roles.

Minimum qualifications:

TRANSMISSION/DISTRIBUTION APPRENTICE LINEMAN: See qualifications of Apprentice Lineman in Section 8.1.9.2.

JOUYNEYMAN TRANSMISSION/DISTRIBUTION LINEMAN: See qualifications of Lineman in Section 8.1.9.1

FOREMAN: See qualifications of Foreman in Section 8.1.9.2.

GROUNDMAN: See qualifications of Groundman in Section 8.1.9.2.

PATROLMAN: See qualifications of Groundman in Section 8.1.9.1.

SPLICER: See qualifications of Lineman in Section 8.1.9.2.

APPARATUS TECHNICIAN: Responsible for performing inspections and maintenance on equipment unique to electric distribution overhead and underground systems. Must have knowledge of: Advanced principles of three phase electrical theory, mathematics, phasor analysis, use of scientific engineering calculator, publications and standards, including system operating bulletins, grounding and G.O. 95/128 manuals, equipment design, and programming manuals. Must possess computer skills, including but not limited to Company desktop applications as well as software and programming applications used to configure, program, and test specific equipment installations. The knowledge, skills, and abilities required for this job are of a level comparable to those normally acquired through Journeyman Lineman experience and demonstrated ability to apply the principles of electrical theory.

TROUBLEMAN: Responsible for troubleshooting and performing routine inspections and minor repairs of the electric distribution system. Must have knowledge of: Equipment, tools, techniques, and methods employed in the construction, installation, maintenance, and repair of distribution overhead and underground line facilities; overhead and underground circuitry and switching; and SCE's Accident Prevention Manual. The knowledge, skills, and abilities required for this job are of a level comparable with those normally acquired through a high school education, supplemented by technical study and extensive training and experience as a Journeyman, Patrolman, or Lineman.

Fire Investigation Preliminary Analysis (FIPA) Engineer: Responsible for investigating, collecting information, performing root cause and failure analysis, and supporting the development of mitigations to ignitions within SCE service territory. The knowledge, skills, and abilities required by the job are of a level comparable with those normally acquired through courses taken in an engineering degree from an accredited university regarding electrical theory, material science, and any experience in root cause analysis.

Training and plans to improve worker qualifications:

SCE will continue to refine its training program and worker qualifications based on lessons learned and feedback from field employees. SCE will continue to provide training to existing field personnel and those that are onboarded prior to every wildfire season. As it relates to wildfire and PSPS, SCE has implemented several training courses to educate and train field workers on proper practices and procedures. These training efforts are described in Table SCE 8-07.

Table SCE 8-07 - List of Instructor Led and Web-Based Transmission and Distribution Wildfire and PSPS-Related Training Courses in 2022

Course Name	Course Description
PSPS Training	The purpose of this workshop is to provide an overview of the overall PSPS protocol including: 1) Roles and responsibilities 2) Communications process 3) Internal and external types of notifications 4) A detailed timeline of events and 5) How to access the pertinent information during a PSPS activation
PSPS 2022 Patrolling & Live Field Observation (LFO) Training	Training on PSPS patrolling and live field observations protocols, and any updates since prior year.
PSPS Patrolling & Live Field Observation (LFO) Refresher: Contractor Orientation (Train the Trainer)	Orientation with contractor supervisors on PSPS patrolling and live field observations protocols, and any updates since prior year; contractor supervisors train their own field crews and submit rosters to SCE.
Protection from Wildfire Smoke	This course is to teach how to protect workers when working in areas where there may be exposure to wildfire smoke. Teaches where to acquire the Air Quality Index, the health effects from wildfire smoke and how to obtain medical treatment if needed. Also teaches how to select, use and maintain proper respirator protection.
Wildfire Smoke Respirator (PAPR)	This course provides usage and maintenance procedures and requirements for Powered Air Purifying Respirator (PAPR) respirators.
Technology Integration – Grid Resiliency	Provides initial training on pilots or new equipment technologies being deployed across HFRA.
SOB 322 Refresher Training	SOB 322 that outlines the operational protocols for overhead distribution, sub-transmission, and transmission equipment within HFRA.

8.1.10 Maturity Advancement

SCE continually seeks alignment with government and industry organizations and practices and continues to look for opportunities to improve maturity over time.

The activities discussed in this section could lead to Grid Design, Inspections and Maintenance and Grid Operations and Protocols maturity advancements. Below is a summary of broader anticipated maturity improvements over the WMP period that supplement the objectives outlined at the beginning of the Section.

Table SCE 8-08 - Inspections and Maintenance and Grid Operations Maturity Improvements

Capability Name	Projected Maturity Improvements
Asset Maintenance and Repair	Improvements include evaluating new considerations in establishing maintenance frequency (e.g., local PSPS risk, equipment utilization).
Asset and Grid Personnel Training and Quality Assurance	Improvements include benchmarking with other utilities in areas such as training (e.g., sharing best practices, consistent venue/forum, etc.)
Protective equipment and device settings	Improvements include an increased portion of the service territory that has protective equipment and device settings installed.
Incorporation of ignition risk factors in Grid Control	Improvements include clearly defined processes to include wildfire risk to determine control limits beyond its current carrying capacity and the increase in subject matter review of these processes.

8.2 Vegetation Management and Inspections

8.2.1 Overview

In accordance with Public Utilities Code section 8386(c)(9), each electrical corporation's WMP must include plans for vegetation management.

In this section, the electrical corporation must identify objectives for the next 3- and 10-year periods, targets, and performance metrics related to the following vegetation management programmatic areas:

- *Vegetation inspections*
- *Vegetation and fuels management*
- *Vegetation management enterprise system*
- *Environmental compliance and permitting*
- *Quality assurance / quality control*
- *Open work orders*
- *Workforce planning*

8.2.1.1 Objectives

Each electrical corporation must summarize the objectives for its 3-year and 10-year plans for implementing and improving its vegetation management and inspections.[189] *These summaries must include the following:*

- *Identification of which initiative(s) in the WMP the electrical corporation is implementing to achieve the stated objective, including Utility Initiative Tracking IDs*
- *Reference(s) to applicable codes, standards, and best practices/guidelines and an indication of whether the electrical corporation exceeds an applicable code, standard, or regulation*
- *Method of verifying achievement of each objective*
- *A completion date for when the electrical corporation will achieve the objectiveReference(s) to the WMP section(s) or appendix, including page numbers, where the details of the objective(s) are documented and substantiated*

This information must be provided in Table 8-12 for the 3-year plan and Table 8-13 for the 10- year plan.

[189] Annual information included in this section must align with the QDR data.

Table 8-12 - Vegetation Management Implementation Objectives (10-year plan)

Objectives for Three Years (2023–2025)	Applicable Initiative(s), Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
Complete Joint-IOU Effectiveness of Expanded Clearances Study	Routine Line Clearing (VM-7, VM-8), Expanded Clearances (VM-7, VM-8)	GO 95, Rule 35, Clearance Requirements in UVM 02 and 03 Distribution and Transmission Vegetation Management Plan	Report from 3rd party project manager	2025	Section 8.2.3.3.1 Expanded Clearing, pp. 412-418
Deploy consolidated inspection strategy and transition to circuits from grids	Distribution and Transmission inspections (VM-7, VM-8); Hazard Tree Management Program (HTMP) (VM-1); Dead & Dying Tree Removal (VM-4)	Feedback from Independent Third Party Evaluation[190]	Documentation of percentage completion as compared to the master schedule.	2025	Section 8.2.2 Vegetation Management Inspections, pp. 384-408 Section 8.2.3.3.1 Expanded Clearing, pp. 412-418 Section 8.2.3.4 Fall-In Mitigation, pp. 418-422
Develop and implement a risk-informed process to minimize backlog	Distribution and Transmission inspections (VM-7, VM-8); HTMP (VM-1); Dead & Dying Tree Removal (VM-4)	GO 95, Rule 35, Tree Trimming Guidance	For Routine Line Clearing, target the completion of prescribed mitigation work within 60 days from planned month, subject to constraints. For HTMP and Dead and Dying Tree Removal, target the completion of prescribed work within 180 days of assignment.	2025	Section 8.2.6 Open Work Orders, pp. 432-438
Make substantial progress on evaluating remote sensing technology for vegetation inspections	LiDAR (VM-9, VM-10), Satellite Technology	N/A	Develop report on progress	2025	Section 8.2.2.4 Remote Sensing Inspections, pp. 398-408

[190] In 2022, on behalf of the Governor's Office, Filsinger Energy Partners (FEP) was brought in to provide oversight and potential enhancement opportunities for SCE's wildfire mitigation strategies.

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

Table 8-13 - Vegetation Management Implementation Objectives (10-year plan)

Objectives for Ten Years (2026–2032)	**Applicable Initiative(s), Tracking ID(s)**	**Applicable Regulations, Codes, Standards, and Best Practices (See Note)**	**Method of Verification (i.e., program)**	**Completion Date**	**Reference (section & page #)**
Replace a majority of ground inspection for vegetation line clearing in HFRA with remote sensing technology (e.g., LiDAR, satellite), subject to the evolution and effectiveness of the technology	LiDAR (VM-9, VM-10), Satellite Technology	GO 95, Rule 35, Tree Trimming Guidance	Total Number of HFRA miles of vegetation inspections performed with remote sensing and total reduction in ground inspections.	2033	Section 8.2.2.4 Remote Sensing Inspections, pp. 398-408
Create and implement predictive growth model to facilitate "auto prescription" to reduce the frequency of manual or remote inspection in HFRA.	LiDAR (VM-9, VM-10), Satellite Technology	GO 95, Rule 35, Tree Trimming Guidance	Total Number of HFRA miles auto-prescribed trims, reduction in ground inspections.	2033	Section 8.2.2.4 Remote Sensing Inspections, pp. 398-408
Optimize vegetation inspection cycles/prescriptions based on risk factors (e.g., species, wind) for more granular locations	Routine Line Clearing (VM-7, VM-8), HTMP (VM-1), Dead & Dying Tree Removal (VM-4)	GO 95, Rule 35, Tree Trimming Guidance	Updated vegetation protocols with revised inspection schedule and/or trim instructions to account for risk analysis	2028	Section 8.2.3.3.1 Expanded Clearing, pp. 412-418 Section 8.2.3.4 Fall-In Mitigation, pp. 418-422
Obtain and implement programmatic permits to facilitate timely vegetation management work execution	Routine Line Clearing (VM-7, VM-8), HTMP (VM-1), Dead & Dying Tree Removal (VM-4)	Relevant environmental regulations	Programmatic permit documents that were executed	2026-2028	Section 5.4.5 - Environmental Compliance and Permitting, pp. 83-88

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

8.2.1.2 Targets

Initiative targets are forward-looking quantifiable measurements of activities identified by each electrical corporation in its WMP. Electrical corporations will show progress toward completing targets in subsequent reports, including QDRs and WMP Updates.

The electrical corporation must list all targets it will use to track progress on its vegetation management and inspections for the three years of the Base WMP. Energy Safety's Compliance Assurance Division and third parties must be able to track and audit each target.[191] *For each initiative target, the electrical corporation must provide the following:*

- *Utility Initiative Tracking IDs.*
- *Projected targets for each of the three years of the Base WMP and relevant units.*
- *Quarterly, rolling targets for 2023 and 2024 (inspections only).*
- *The expected "x% risk impact" For each of the three years of the Base WMP. The expected x% risk impact is the expected percentage risk reduction per year, as described in Section 7.2.2.2.*
- *Method of verifying target completion.*

The electrical corporation's targets must provide enough detail to effectively inform efforts to improve the performance (i.e., reduction in ignition probability or wildfire consequence) of the electrical corporation's vegetation management and inspections initiatives.

Table 8-14 and Table 8-15 provide examples of the minimum acceptable level of information.

The risk impact percentages shown in Table 8-14 and Table 8-15 below are based on the cumulative MARS scores of the structures in the area SCE expects to inspect for each vegetation management initiative annually, divided by the cumulative MARS scores for all structures in the applicable area covered by that initiative in HFRA. SCE also provides the percentage of a vegetation management initiative's inspection scope that is in Severe Risk and High Consequence areas.

[191] Annual information included in this section must align with Table 1 of the QDR.

Table 8-14 - Vegetation Management Initiative Targets by Year

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023	% in SRA/HCA 2023	2024 Target & Unit	x% Risk Impact 2024	% in SRA/HCA 2024	2025 Target & Unit	x% Risk Impact 2025	% in SRA/HCA 2025	Method of Verification
Expanded Clearances for Generation Legacy Facilities	VM-3	Perform vegetation treatment and maintenance to **50** sites SCE will strive to perform vegetation treatment and maintenance to **60** sites	23%	N/A	Perform vegetation treatment and maintenance to **50** sites SCE will strive to perform vegetation treatment and maintenance to **60** sites	23%	N/A	Perform vegetation treatment and maintenance to **48** sites SCE will strive to perform vegetation treatment and maintenance to **56** sites	25%	N/A	Listing of all completed work orders
Vegetation Management Work Management Tool (Arbora)	VM-6	Enable supplemental Vegetation Management (emergent work) tree maintenance program capabilities in Arbora by end of year	N/A	N/A	Monitor stabilization of Arbora and develop plan and begin execution of plan to enable additional VM maintenance programs	N/A	N/A	Monitor stabilization of Arbora and continue execution of plan to enable additional VM maintenance programs	N/A	N/A	System evidence of the capability to assign non-routine work activity in work management tool

*To inform trimming prescriptions in the January to December calendar year, with inspections occurring as early as November 1 in the prior year.

Table 8-15 - Vegetation Inspections Targets

Initiative Activity	Tracking ID	Target End of Q2 2023 & Unit	Target End of Q3 2023 & Unit	End of Year Target 2023 & Unit	x% Risk Impact 2023	% in SRA/HCA 2023	Target End of Q2 2024 & Unit	Target End of Q3 2024 & Unit	End of Year Target 2024 & Unit	x% Risk Impact 2024	% in SRA/HCA 2024	Target 2025 & Unit	x% Risk Impact 2025	% in SRA/HCA 2025	Method of Verification
Hazard Tree Management Program (HTMP)	VM-1	260	350	Inspect **412** grids/circuits and prescribe mitigation for hazardous trees with strike potential within those grids in SCE's HFRA	83%	88%	250	358	Inspect **408** grids/ circuits and prescribe mitigation for hazardous trees with strike potential within those grids in SCE's HFRA * (see insertion text above)	70%	88%	Inspect **440** grids/circuits and prescribe mitigation for hazardous trees with strike potential within those grids in SCE's HFRA* (see insertion text above) Q2 Target: 233 Q3 Target: 356 Note: 2025 schedule will be developed at the circuit /span level, subject to change	63%	70%	Tracking of year-to-date completed grids/circuits for inspection and mitigation
Structure Brushing	VM-2	29,870	63,700	Inspect and clear (where clearance is needed) **63,700** structures,* with the exception of structures for which there are customer access or environmental constraints SCE will strive to inspect and clear (where clearance is needed) **135,200** structures,* with the exception of structures for which there are customer access or environmental constraints * These structures are in addition to poles subject to PRC 4292	62%	84%	29,870	63,700	Inspect and clear (where clearance is needed) **63,700** structures,* with the exception of structures for which there are customer access or environmental constraints SCE will strive to inspect and clear (where clearance is needed) **135,200** structures,* with the exception of structures for which there are customer access or environmental constraints * These structures are in addition to poles subject to PRC 4292	62%	84%	Inspect and clear (where clearance is needed) **63,700** structures,* with the exception of structures for which there are customer access or environmental constraints Q2 Target: 26,180 Q3 Target: 33,830 SCE will strive to inspect and clear (where clearance is needed) **135,200** structures,* with the exception of structures for which there are customer access or environmental constraints * These structures are in addition to poles subject to PRC 4292	62%	84%	Listing of work orders attempted, inspected and/or completed in calendar year
Dead & Dying Tree Removal	VM-4	298	433	Inspect **509** grids/circuits and prescribe mitigation for	100%	85%	281	424	Inspect **485** grids/ circuits and prescribe mitigation for dead and dying trees	100%	85%	Inspect **536** grids/circuits and prescribe mitigation for dead and dying trees with strike potential	100%	77%	Tracking of year-to-date completed grids/circuits

*To inform trimming prescriptions in the January to December calendar year, with inspections occurring as early as November 1 in the prior year.

Initiative Activity	Tracking ID	Target End of Q2 2023 & Unit	Target End of Q3 2023 & Unit	End of Year Target 2023 & Unit	x% Risk Impact 2023	% in SRA/HCA 2023	Target End of Q2 2024 & Unit	Target End of Q3 2024 & Unit	End of Year Target 2024 & Unit	x% Risk Impact 2024	% in SRA/HCA 2024	Target 2025 & Unit	x% Risk Impact 2025	% in SRA/HCA 2025	Method of Verification
				dead and dying trees with strike potential within those grids/circuits					with strike potential within those grids/ circuits* (see insertion text above			within those grids/circuits* (see insertion text above) **Q2 Target: 311; Q3 Target: 422** Note: 2025 schedule will be developed at the circuit /span level, subject to change			for inspection and mitigation
Detailed Inspections for the Prescription, Where Necessary and Feasible, of Expanded Vegetation Clearances from Distribution Lines in HFRA	VM-7	308	539	Inspect **770** grids within our distribution system* (see insertion above)	100%	75%	308	539	Inspect **770** grids within our distribution system* (see insertion text above)	100%	75%	Inspect **770** grids/circuits within our distribution system* Q2 Target: 308 Q3 Target: 539 Note: 2025 schedule will be developed at the circuit /span level, subject to change (see insertion text above)	100%	75%	Listing of all completed work orders
Detailed Inspections for the Prescription, Where Necessary and Feasible, of Expanded Vegetation Clearances from Transmission Lines in HFRA	VM-8	273	378	Inspect **416** circuits within our transmission system* (see insertion text above	100%	75%	273	378	Inspect **416** circuits within our transmission system * (see insertion text above)	100%	75%	Inspect **416** circuits within our transmission system* Q2 Target: 273 Q3 Target: 378 Note: 2025 schedule will be developed at the circuit /span level, subject to change (see insertion text above)	100%	75%	Listing of all completed work orders
LiDAR Distribution Vegetation Inspections	VM-9	650	1,020	Inspect at least **1,020** HFRA circuit miles *Subject to change based on technology, program adjustments, and grid/circuits layout	7%	78%	650	1,020	Inspect at least **1,020** HFRA circuit miles *Subject to change based on technology, program adjustments, and grid/circuits layout	N/A	N/A	Inspect at least **1,020** HFRA circuit miles Q2 Target: 500 Q3 Target: 1,020 *Subject to change based on technology, program adjustments, and grid/circuits layout. Targets for 2025 for HFRA LiDAR miles assume continuation of support of ground inspections and do not reflect SCE's planned transition to remote sensing for	N/A	N/A	Listing of all completed work orders

Initiative Activity	Tracking ID	Target End of Q2 2023 & Unit	Target End of Q3 2023 & Unit	End of Year Target 2023 & Unit	x% Risk Impact 2023	% in SRA/HCA 2023	Target End of Q2 2024 & Unit	Target End of Q3 2024 & Unit	End of Year Target 2024 & Unit	x% Risk Impact 2024	% in SRA/HCA 2024	Target 2025 & Unit	x% Risk Impact 2025	% in SRA/HCA 2025	Method of Verification
												inspections			
LiDAR Transmission Vegetation Inspections	VM-10	1,180	1,620	Inspect at least **1,820** HFRA circuit miles *Subject to change based on program adjustments and evolution of remote sensing technologies	25%	89%	973	1,335	Inspect at least **1,500** HFRA circuit miles *Subject to change based on program adjustments and evolution of remote sensing technologies	N/A	N/A	Inspect at least **1,750** HFRA circuit miles Q2 Target: 1,423 Q3 Target: 1,692 *Subject to change based on technology, program adjustments, and grid/ circuits layout. Targets for 2025 for HFRA LiDAR miles assume continuation of support of ground inspections and do not reflect SCE's planned transition to remote sensing for inspections	N/A	N/A	Listing of all completed work orders

8.2.1.3 Performance Metrics Identified by the Electrical Corporation

Performance metrics indicate the extent to which an electrical corporation's Wildfire Mitigation Plan is driving performance outcomes. The electrical corporation must:

- *List the performance metrics the electrical corporation uses to evaluate the effectiveness of its vegetation management and inspections in reducing wildfire and PSPS risk*[192]

For each of these performance metrics listed, the electrical corporation must:

- *Report the electrical corporation's performance since 2020 (if previously collected)*
- *Project performance for 2023-2025*
- *List method of verification*

The electrical corporation must ensure that each metric's name and values are the same in its WMP reporting as its QDR reporting (specifically, QDR Table 2 and QDR Table 3). Metrics listed in this section that are the same as performance metrics required by Energy Safety and reported in QDR Table 2 (Performance Metrics)[193] *must match those reported in QDR Table 2. Metrics listed in this section that are not the same as any of the performance metrics identified by Energy Safety and reported in QDR Table 2 must match those reported in QDR Table 3.*

The electrical corporation must:

- *Summarize its self-identified performance metric(s) in tabular form*
- *Provide a brief narrative that explains trends in the metrics*

SCE identifies performance metrics that its vegetation management activities support in Table 8-16. SCE then provides a brief narrative describing trends for each metric.

[192] *There may be overlap between the performance metrics the electrical corporation uses and performance metrics required by Energy Safety. The electrical corporation must list these overlapping metrics in this section in addition to any unique performance metrics it uses.*

[193] T*he performance metrics identified by Energy Safety are included in Energy Safety's Data Guidelines.*

Table 8-16 - Vegetation Management and Inspection Performance Metrics Results by Year

Performance Metrics	2020	2021	2022	2023 Projected	2024 Projected	2025 Projected	Method of Verification (e.g., third-party evaluation, QDR)
Number of trees inspected in HFRA where at least some vegetation was found in a non-compliant condition	22,600	16,555	16,613	15,782	14,993	14,244	QDR, Tables 2 and 3
Number of Tree-Caused Circuit Interruptions (TCCIs) in HFRA	90	73	60	57	54	51	QDR, Table 3
Number of CPUC reportable ignitions in HFRA	50	48	40	39	38	37	QDR, Tables 2 and 3
Number of wire downs in HFRA	379	468	316	361	360	361	QDR, Tables 2 and 3
Number of outages in HFRA	2,824	2,356	2,404	2,018	1,946	1,892	QDR, Tables 2 and 3

- **Number of trees inspected in HFRA where at least some vegetation was found in a non-compliant condition:** This metric applies to SCE's routine transmission and distribution vegetation clearing programs and counts the number of trees that were found to have some vegetation within the respective required clearance distances.
  This metric has been trending downward in the 2020 through 2022 period. SCE anticipates its vegetation management initiatives will contribute to the continuation of a downward trend for this metric over the 2023-2025 WMP period. This projection is an estimate, and actual performance is dependent on weather and other factors.
- **Number of Tree-Caused Circuit Interruptions (TCCIs) in HFRA:** This metric applies to the number of tree-caused circuit interruptions occurring in SCE's HFRA.
  This metric has experienced a downward trend from 2020 – 2022. SCE anticipates its vegetation management initiatives to make further progress and influence a continued downward trend for this metric over the 2023-2025 WMP period. This projection is an estimate only and actual performance is dependent on weather and other factors. This metric is impacted by multiple factors beyond SCE's control, such as weather-related factors. For instance, due to weather factors, there may be a significant unanticipated increase in growth rate for certain vegetation creating a potential for fall-in events.
- **Number of CPUC reportable ignitions, wire downs, and outages in HFRA:** Please see Section 8.1.1.3 for a narrative describing these metrics and associated trends. These metrics represent total counts across SCE's HFRA and are not solely attributable to risk events driven by vegetation.

8.2.2 Vegetation Management Inspections

In this section, the electrical corporation must provide an overview of its procedures for vegetation management inspections.

The electrical corporation must first summarize details regarding its vegetation management inspections in Table 8-17. The table must include the following:

- ***Type of inspection**: distribution, transmission, substation, etc.*
- ***Inspection program name:** Identify various inspection programs within the electrical corporation (e.g., routine, enhanced vegetation, high-risk species, and off-cycle)*
- ***Frequency or trigger**: Identify the frequency or triggers, such as inputs from the risk model. Indicate differences in frequency or trigger by HTFD Tier, if applicable*
- ***Method of inspection**: Identify the methods used to perform the inspection (e.g., patrol, detailed, sounding or root examination, aerial, and LiDAR)*
- ***Governing standards and operating procedures**: Identify the regulatory requirements and the electrical corporation's procedures for addressing them*

Table 8-17 - Vegetation Management Inspection Frequency, Method, and Criteria

Type	Inspection Program	Frequency or Trigger (Note 1)	Method of Inspection (Note 2)	Governing Standards & Operating Procedures
Distribution	Distribution Vegetation Management Plan (DVMP) (Routine Line Clearing)	Frequency: Vegetation inspections and maintenance should be completed annually or more often as deemed necessary. Trigger: The work is based on an annual schedule with risk-informed prioritization based on the Tree Risk Index (TRI)	(1) Ground and (2) LiDAR;	SCE's standard operating procedures for the DVMP are documented in SCE's Utility Vegetation Management (UVM) Program titled, UVM-03 (DVMP). Manage vegetation to prevent vegetation encroachment into Clearance Zones stated in the following regulations, as applicable: GO 95 Rule 35 (Case 13 and Case 14)

Type	Inspection Program	Frequency or Trigger (Note 1)	Method of Inspection (Note 2)	Governing Standards & Operating Procedures
		model.[194] However, emergent work is driven by off-cycle notifications, including customer notification and priority conditions.		GO 95 Rule 37 PRC 4293 PRC 4292 Title 14 CCR Sections 1250-1258
Transmission	Transmission Vegetation Management Plan (TVMP) (Routine Line Clearing)	Frequency: Vegetation inspections and maintenance should be completed annually or more often as deemed necessary. Trigger: The work is based on an annual schedule. However, emergent work is driven by off-cycle notifications, including customer notification and priority conditions.	(1) Ground and (2) LiDAR	SCE's standard operating procedures for the TVMP are documented in SCE's UVM Program titled, UVM-02 (TVMP). Manage vegetation to prevent vegetation encroachment into Clearance Zones stated in the following regulations, as applicable: FAC-003-4 GO 95 Rule 35 (Case 13 and Case 14) GO 95 Rule 37 PRC 4293 PRC 4292 Title 14 CCR Sections 1250-1258
Transmission and Distribution HFRA-only	Hazard Tree Management Plan (HTMP)	Frequency: Inspection scope and frequency are driven by the TRI model. Grids in the highest risk category A,	(1) Ground and (2) LiDAR	SCE's standard operating procedures for HTMP are documented in SCE's UVM Program titled, UVM-04 (HTMP).

[194] The factors incorporated in the TRI model are described in more detail in Section 8.1.2.2.

Type	Inspection Program	Frequency or Trigger (Note 1)	Method of Inspection (Note 2)	Governing Standards & Operating Procedures
		according to the TRI, will follow an annual inspection cycle, while grids in categories B, C, and D will follow a three-year inspection cycle. The three-year inspection cycle for categories B, C, and D will start in 2023 with the highest risk category B grids, then descend by risk category with C grids in 2024 and D grids in 2025.[195] Trigger: Off-cycle inspections may be triggered by a trouble order or wildfire or unique request to mitigate a hazardous tree.		
Transmission and Distribution HFRA-only	Dead and Dying Tree Removal	Frequency: Inspections are performed in applicable areas within SCE's Tier 2 and Tier 3 HFRA. Applicable areas are determined based on California's Tree	Ground	SCE's Dead and Dying Tree Removal is documented in SCE's UVM Program titled, UVM-18 (Assessment and Removal of Dead and Dying Trees), which meets and/or exceeds the requirements

[195] For more information on TRI, see Section 8.2.2.1 under Frequency or Trigger.

Type	Inspection Program	Frequency or Trigger (Note 1)	Method of Inspection (Note 2)	Governing Standards & Operating Procedures
		Mortality Task Force, which updates maps annually to show High Hazard Zones and Hazard Severity Zones. All Zones are included in inspection scope. Trigger: Off-cycle inspections may be triggered by a trouble order[196] or wildfire or unique request from the Senior Specialist (SSP) to mitigate a hazardous tree.		established by GO 95, PRC 4923, and the California Public Utilities Commission (CPUC) Drought Resolution ESRB-4, dated June 12, 2014.

[196] Trouble orders is work performed outside of SCE's Vegetation Management compliance programs. They may include work to remediate Priority 1 (P1) emergency conditions related to vegetation.

Type	Inspection Program	Frequency or Trigger (Note 1)	Method of Inspection (Note 2)	Governing Standards & Operating Procedures
Transmission and Distribution	LiDAR	Frequency: LiDAR is scheduled based on the risk value assigned[197] and how frequently the LiDAR data is refreshed. For detailed information, see SCE's UVM-06 for a schedule based on risk criteria for LiDAR surveys to be performed. Trigger: Same as frequency	LiDAR	SCE's standard operating procedures for LiDAR are documented in SCE's UVM Program titled, UVM-06 (LiDAR Schedule Reference Guide) and UVM-02 (TVMP). Manage vegetation to prevent vegetation encroachment into Clearance Zones stated in the following regulations, as applicable: NERC FAC-003-4 GO 95 Rule 35 (Case 13 and Case 14) GO 95 Rule 37Cal. Pub. Res. Code (PRC) § 4293 Cal. Pub. Res. Code (PRC) § 4292 Title 14 CCR Sections 1250-1258

Note 1: The electrical corporation must provide electrical corporation-specific risk-informed triggers used for vegetation management.

Note 2: The electrical corporation must provide electrical corporation-specific definitions of the different methods of inspection.

The electrical corporation must then provide a narrative overview of each vegetation inspection program identified in the above table; Sections 8.2.2.1. provides instructions for the overviews. The sections should be numbered 8.2.2.1 to Section 8.2.2.n (i.e., each vegetation inspection program is detailed in its

[197] For Transmission, SCE utilizes the class ranking system to assign risk by circuits as described in Section 8.2.2.4.1. For Distribution, SCE deploys LiDAR for AOC and use IWMS as described in Section 8.1.3.1.

own section). The electrical corporation must include inspection programs it is discontinuing or has discontinued since the last WMP submission; in these cases, the electrical corporation must explain why the program is being discontinued or has been discontinued.

8.2.2.1 Routine Line Clearing

In this section, the electrical corporation must provide an overview of the individual vegetation inspection program, including inspection criteria and the various inspection methods used for each inspection program.

Include relevant visuals and graphics depicting the workflow and decision-making process the electrical corporation uses for the inspection program (see the example in Figure SCE 8-38).

Inspection Process

SCE performs annual inspections and trimming for clearance around conductors in accordance with applicable regulations and internal processes such as GO 95, PRC 4293 and SCE's Transmission Vegetation Management Plan (UVM-02) and Distribution Vegetation Management Plan (UVM-03).

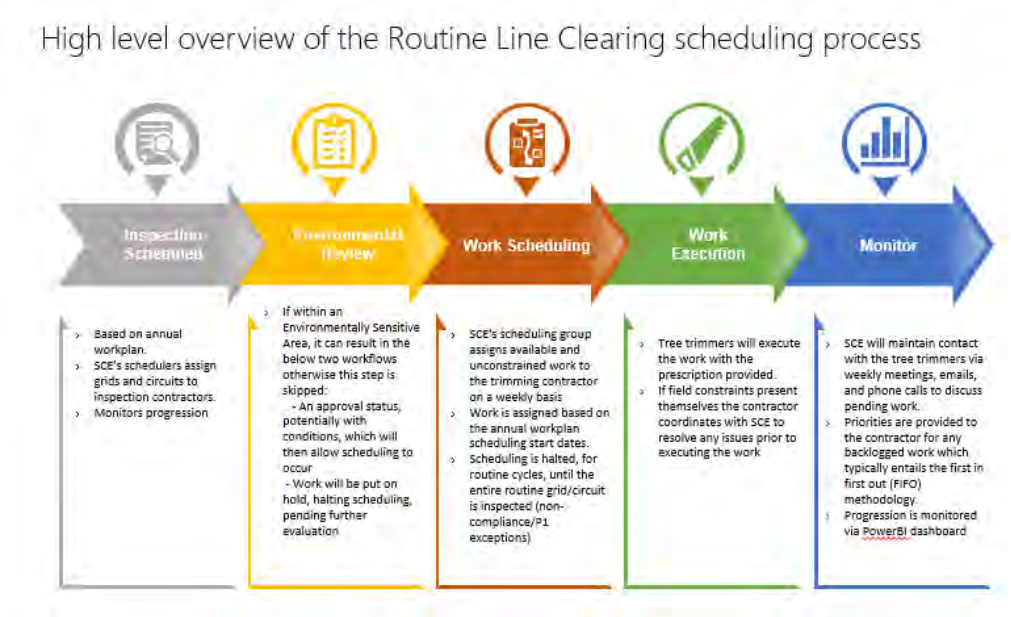
Inspections of vegetation clearance distances from transmission and distribution lines and equipment are generally performed by vegetation ground personnel.[198] During these inspections, the inspector identifies vegetation that requires trimming or removal to meet program requirements designed to maintain required clearances from the lines, taking into consideration a tree's anticipated growth over the ensuing twelve months.[199] Additionally, SCE performs level 1 assessments to address fall-in risk. In level 1 assessments, the inspectors conduct an assessment from the side of the tree nearest to the electrical facilities, focusing on identifying obvious tree defects (e.g., dead branches or leaning) that are observable. Finally, inspectors investigate vegetation concerns raised by customers, assess vegetation adjacent to electrical line work, and address inspection findings requiring immediate planning or schedule coordination.

SCE also uses remote sensing (LiDAR and Satellite) in the inspection cycle and continues to explore the possibility of transitioning from ground inspections to more remote options.

[198] SCE also uses aerial inspections and LiDAR in specific conditions. Where line clearance cannot be readily assessed from the ground but the horizontal and vertical clearance between the vegetation and conductors can be determined from an aerial inspection, then aerial inspections may be performed. SCE uses LiDAR as an inspection and measurement tool to identify clearances between high-voltage lines and vegetation. SCE also uses LiDAR data, which are acquired via air patrol.

[199] Fast-growing species, or trees in HFRA, may need additional inspections, trimming, or removal to maintain regulatory compliance.

Figure SCE 8-38 - Routine Line Clearing Scheduling Process Flow



Frequency or Trigger

In this section, the electrical corporation must identify the frequency or triggers used in the inspection program, such as inputs from the risk model. It must also identify how the frequency or trigger might differ by HFTD Tier or other risk designation.

If the inspection program is based on a schedule, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

SCE's Routine Line Clearing inspections are scheduled such that each grid in SCE's service area is inspected annually. Grids are SCE-defined geographic boundaries that define a work area. SCE has approximately 3,000 grids systemwide, including roughly 1,100 in HFRA. SCE plans to transition to a circuit basis by 2025 to align with other wildfire mitigation efforts and PSPS decision making.

For non-HFRA grids, the inspection schedules consider factors such as resource availability, appropriate allocation of work throughout the year, permitting lead times and availability, and challenges with access to worksites based on seasonal weather conditions. The schedule incorporates risk prioritization by ranking grids according to historical vegetation related outages and tree density.

For HFRA grids, SCE applies the outcome from the Tree Risk Index (TRI), which ranks grids according to the "probability of ignition" (POI) from contact with vegetation based on species, locations, and other factors, and the Technosylva "consequence scores." The TRI model is described in more detail in Section 8.2.2.2 under "Frequency or Trigger." To the extent feasible, SCE strives to schedule annual inspections for higher-risk locations in HFRA grids in the months leading up to peak-fire season.

SCE also conducts supplemental patrols to help ensure that vegetation encroachments do not occur during peak fire season and high wind conditions. The risks are higher in certain locations, such as canyons, which experience higher winds. SCE also uses the TRI model to optimize and help reduce the

need for supplemental patrols, which incorporates a number of risk factors into the POI value. SCE analyzes all methods of alternative patrols, selecting the most appropriate patrol based on the location-specific need for inspection.

For more information on risk prioritization related to the TRI, refer to Section 8.2.2.2.

Accomplishments, Roadblocks, and Updates

In this section, the electrical corporation must discuss:

Noteworthy accomplishments for the inspection program since the last WMP submission

Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks

Changes/updates to the inspection program since the last WMP submission including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)

Noteworthy accomplishments for the inspection program since the last WMP submission

Senior Specialist (SSP) Oversight Project

In 2022, SCE began implementing a new initiative to increase SCE oversight after a pre-inspection is performed called the Senior Specialist (SSP) Oversight Project. SCE uses internal SSPs, who are International Society of Arboriculture (ISA) -certified arborists, to provide oversight and general guidance to contractors for SCE routine line clearing activities. The purpose of this increased post-work verification (PWV) is to improve the quality of work, create more accurate prescriptions released to tree trimmers, and reduce missed trees. SCE made these improvements to its pre-inspection program, in part to address recommendations identified by an independent third-party review of its program.

The additional oversight provided by this initiative will help improve the performance and quality of pre-inspections. SCE analyzes the data from PWV to help inform future training and continuous learning opportunities provided to inspectors and/or other key Vegetation Management personnel. Based on the effectiveness of the PWV in 2022, it will be formalized across the service area by first quarter 2023.

Satellite Technology Pilot Program

In 2022, SCE also launched a pilot program to test the use of satellite technology for confirming the accuracy of vegetation clearances and identifying trees near overhead lines. Section 8.2.2.4.2 describes this effort in more detail.

Workforce Retention and Upskilling

SCE is developing new contractor requirements to improve its ability to attract and retain skilled inspectors, in order to help facilitate overall improvement of the quality of prescriptions. In 2022, SCE revised the Statement of Work (SOW) for Vegetation Management inspectors to include an experience and education-based classification structure. This structure aligns wages to specific experience and education levels for individuals performing various inspection activities, thus promoting the advancement of inspection-related skills and experiences.

Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblocks

Customer Refusals

Inspections can be impeded by customer refusals, but these constraints, among others, are more prevalent when SCE executes remediation. Please see the discussion in Section 8.2.3.3.1 describing customer refusals and other constraints, which can impact the Routine Line Clearing Program.

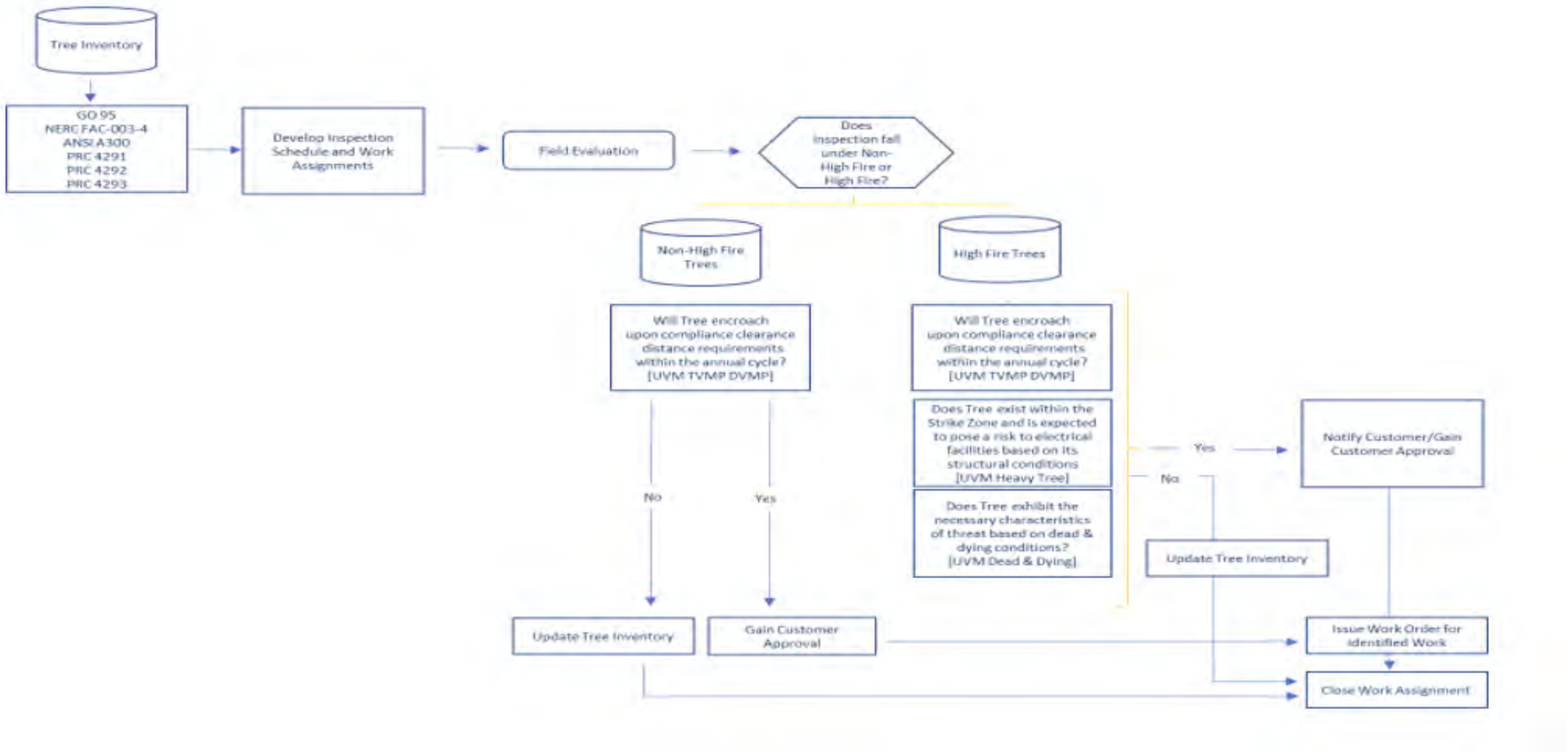
Changes/updates to inspection program since the last WMP Including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)

Consolidated Inspection Strategy

In 2023, SCE will introduce a new centralized tree inspection schedule for its three largest inspections programs: Routine Line Clearing, HTMP,[200] and Dead & Dying Tree Removal. Historically, SCE has hired different inspection personnel for each program. Therefore, in practice, when a contracted inspection company conducted routine inspections in a particular district, the company would not inspect trees that fell within another program's scope, such as hazard or dead and dying trees, even if those trees were in the same district.201 SCE explored consolidating the vegetation inspection programs to improve effectiveness and efficiency, which was validated by recommendations from an independent third-party review. With the new centralized tree inspection schedule, SCE will assign one inspection contractor company to inspect the entire designated district and apply the criteria for all three inspection programs, as needed. The figure below shows the flowchart for consolidated inspections.

[200] For Hazard Tree Management Program, inspectors will continue to be required to be Certified Arborists.
[201] Although the inspector would not formally assess all trees, if a concerning issue was observed, the inspector would escalate their finding to SCE personnel.

Figure 8-2 - Vegetation Management Consolidated Inspection Overview



Circuit Basis

In 2022, inspections of SCE's Distribution Routine Line Clearing were conducted on a grid-by-grid basis while inspections for other Vegetation Management programs such as Transmission Routine Line Clearing, HTMP, and Dead and Dying Tree Removal inspections were conducted on a circuit basis. In 2023, inspections related to distribution assets for HTMP, Dead and Dying Tree Removal, and Routine Line Clearing program will be conducted on a grid basis in order to deploy the centralized tree inspection schedule. Consistent with recommendations from an independent third-party observation, by 2025, SCE plans to transition inspections for all Vegetation Management programs to a circuit basis, thus completing the consolidated inspection strategy.

LiDAR

As described in Section 8.2.2.4.1, SCE will continue to evaluate the use of LiDAR to supplement and/or replace ground inspections.

8.2.2.2 Hazard Tree Management Program

Inspection Process

The Hazard Tree Management Program (HTMP) assesses live trees in HFRA that pose a fall-in risk due to the condition of the tree and other site-specific factors when they are located far enough from SCE lines and equipment to meet statutory clearance requirements.

Once a circuit[202] is scheduled for inspection, certified arborists complete a detailed level 2 assessment to identify subject trees that could potentially fall into or otherwise impact electrical facilities in HFRA. This assessment is distinct from the inspection process related to Routine Line Clearing, where visual level 1 assessments are performed on trees immediately adjacent to electrical facilities. The arborists inspect trees in the Utility Strike Zone (USZ), the area on either side of SCE's electrical facilities from which a tree or a portion of a tree could strike or impact electrical facilities. The USZ can vary significantly based on the height of the trees, slope conditions, and the potential for impacts from wind-driven vegetation.

HTMP inspectors use the Tree Risk Calculator (TRC) to document tree defects and likelihood of failure and target impact. The certified arborist assigns a risk score based on six criteria: (1) Voltage Impact; (2) Fire Impact; (3) Likelihood of Impact; (4) Tree Lean; (5) Tree Height Factor; and (6) Site Condition Attributes. The final scoring results can range from 1-100 (100 being the highest risk score).

Depending on the inspector's assessment results, a tree is classified into one of two categories: (1) a subject tree which does not need mitigation but is added to SCE's tree inventory for continued monitoring or (2) a hazard tree needing mitigation (trim) or removal. A subject tree is a tree within SCE's tree inventory that is identified as low-risk and with a typical risk score between 0 to 49. A hazard tree needing mitigation, while alive, is considered hazardous with a typical risk score between 50 to 100. The classification of the tree and arborist opinion informs the remediation required.

SCE performs inspections using a risk-based approach encompassed in the TRI model, as described in the below section Frequency or Trigger. Based on the results of the inspection, SCE generates

[202] In 2023, SCE's HTMP program for distribution assets, and not for transmission assets, will be inspected on a grid basis to align with the current Distribution Routine Line Clearing program. However, SCE plans to transition back to a circuit basis in 2025.

prescriptions and performs the required remediations.

The HTMP will also be impacted by the implementation of the consolidated inspection strategy. Please refer to Figure 8-2 in Section 8.2.2.1 for the workflow of the consolidated inspection process.

Frequency or Trigger

In this section, the electrical corporation must define and identify the frequency (including how frequency may differ by HFTD or other risk designation[s]) or triggers of the inspection program, such as inputs from the risk model.

If the inspection program is schedule based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

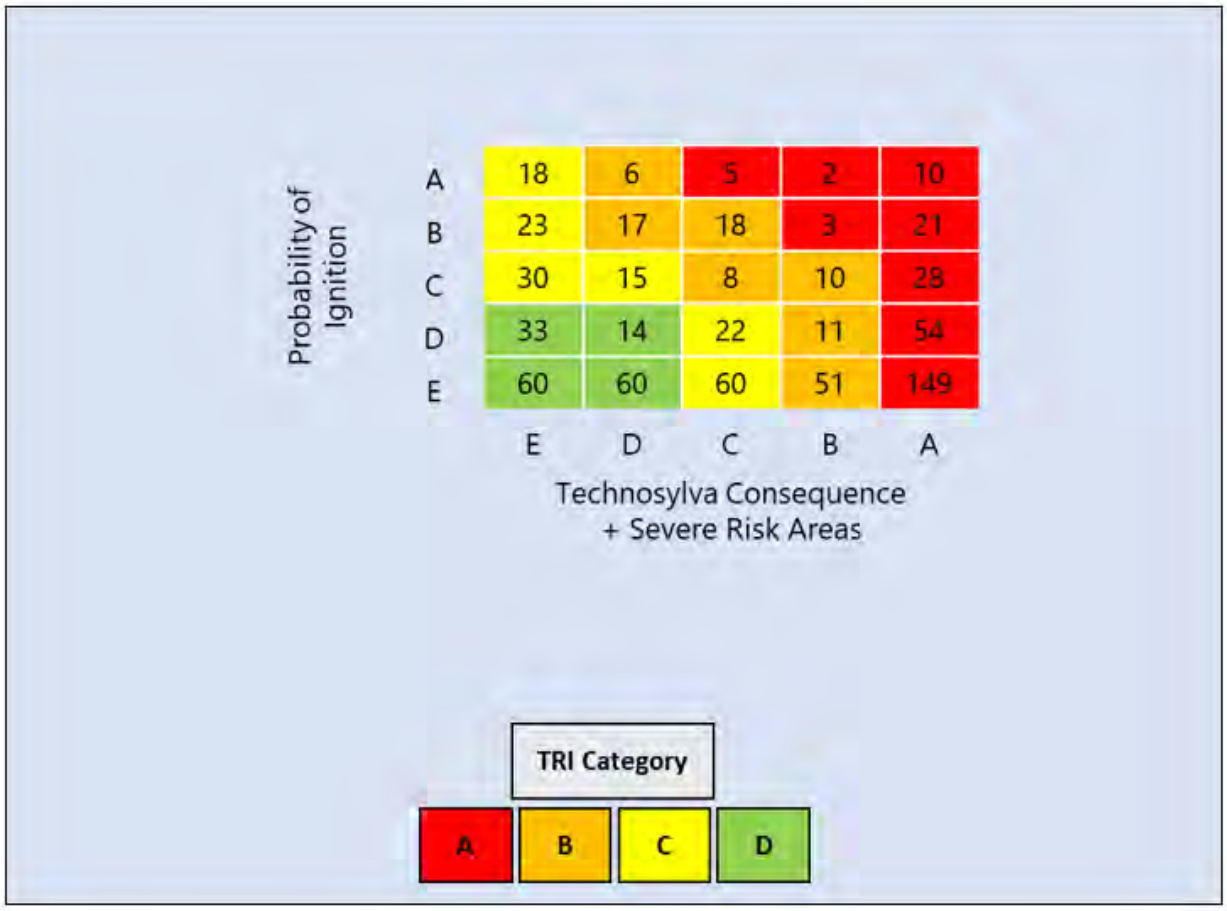
The HTMP is focused on SCE's HFRA service area. HTMP inspection scope and frequency are driven by the TRI model. Within the TRI model, each structure in HFRA is evaluated for the risk of vegetation contact and is assigned a probability of ignition (POI) as well as a Technosylva consequence score (which estimates the potential number of acres burned should an ignition occur at the location of the structure). These structures with assigned POI and consequence scores are then aggregated to the Vegetation Management grid level. Grids are then assigned to risk categories A, B, C, and D (with A being the highest risk category) according to their TRI score.

To align the TRI with SCE's Integrated Wildfire Mitigation Strategy (IWMS),[203] the consequence category for those grids with higher proportions of Severe Risk Area miles were classified as "A". In *Figure SCE 8-39* below, the numbers in the boxes identify grids that have been categorized based on their TRI score. The red boxes in the top right of the figure show the grids with the highest risk level, resulting from having the highest scores in both categories, while the green boxes in the bottom left show the grids with the lowest risk level.

Based on their TRI score, grids in the highest risk category of A follow an annual cycle for HTMP inspections, while grids in categories B, C, and D follow a three-year inspection cycle for HTMP. The three-year inspection cycle for categories B, C, and D will start in 2023 with the highest risk category B grids, then C grids in 2024 and D grids in 2025. Any hazardous tree that was trimmed as a mitigation prescription in HTMP pass one (2019-2022) will continue to be inspected based on TRI ranking. This methodology yields various assessment quantities for HTMP per year and will be refreshed annually for new subject trees recorded in each category.

[203] This strategy determines how SCE assigns risk categories in HFRA (severe risk areas, high consequence areas, and other HFRA)

Figure SCE 8-39 - Tree Risk Index (TRI) – Distribution Grids (HFRA)



Accomplishments, Roadblocks, and Updates

- *Noteworthy accomplishments for the inspection program since the last WMP.*

Assessment of HFRA Circuits

In 2022, SCE substantially completed the first pass of inspections of circuits in HFRA for Hazard Trees, which enabled the unified inspection scope beginning in 2023 under the consolidated inspection strategy for SCE's Routine Line Clearing, HTMP, and Dead & Dying Tree Removal Program. This resulted in performing over 350,000 HTMP assessments. The subject trees not removed as a result of the HTMP assessment will be re-inspected on a defined cadence, based on risk category as determined by the TRI model. See sub-section "Frequency or Trigger" above for a description of SCE's risk prioritization method.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblock.*

Inspections can be impeded by customer refusals, but these constraints, among others, are more prevalent when SCE executes remediation. Please see the discussion in Section 8.2.3.3.1 describing

customer refusals and other constraints, which can impact the Hazard Tree Management Program.

- *Changes/updates to inspection program since the last WMP Including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

Consolidated Inspection Strategy

As discussed in Section 8.2.2.1 Routine Line Clearing (Distribution & Transmission) above, in 2023, SCE will deploy a new centralized inspection schedule to consolidate the inspection processes for Routine Line Clearing, HTMP, and Dead and Dying Tree Removal Program to allow for better contract and planning optimization.

8.2.2.3 Dead and Dying Tree Removal Program

Inspection Process

SCE uses its ground crews to patrol its HFRA to identify dead and dying trees for removal in its Dead and Dying Tree Removal Program. A tree is classified as dead when the canopy has declined 75% or greater and/or is significantly infected with bark beetles or other invasive insects.

After an inspection is performed and the prescription is generated, SCE will remove the tree consistent with industry practice. This is discussed further below in Section 8.2.3.4 Fall-In Mitigation.

The Dead and Dying Tree Removal Program will also be impacted by the implementation of the consolidated inspection strategy. Please refer to Figure SCE 8-49 in Section 8.2.2.1 for the workflow of the consolidated inspection process.

Frequency or Trigger

For the Dead and Dying Tree Removal program, inspections are performed in applicable areas within Tier 2 and Tier 3 of SCE's HFRA. Applicable areas are determined based on California's Tree Mortality Task Force,[204] which updates maps annually to show High Hazard Zones and Hazard Severity Zones. SCE utilizes these Tree Mortality Task Force categories to incorporate risk prioritization into the Dead and Dying Tree inspection scope.

Starting in 2023, inspections for the Dead and Dying Tree Removal program will be scheduled based on the consolidated inspection strategy. All Hazard Severity Zones and HFRA tiers 2 and 3 have been mapped to a grid/circuit or grids/circuits[205] and will be inputted in SCE's work management tool based on planning month. Building off the Routine Line Clearing schedule (which covers all SCE service area, and not just the applicable areas within Tier 2 and Tier 3 of HFRA targeted by the Dead and Dying Tree Removal program), inspectors who are sent during "cycle buster"[206] visits looking for uncharacteristic growth will

[204] For more information, see the link for the California Tree Mortality Task Force.
[205] In 2025, SCE intends to return to circuit based mapping for all VM inspections to align with T&D processes.
[206] Cycle buster visits typically occur on a six-month cadence and are intended to address vegetation that will not make it through the annual routine trim cycle without encroaching on the required minimum clearances and which therefore require pruning midterm before the routine cycle is completed.

now have the opportunity to identify hazard trees in addition to routine maintenance.

Accomplishments, Roadblocks, and Updates

- *Noteworthy accomplishments for the inspection program since the last WMP.*

In 2022, SCE continued to conduct the Dead and Dying Tree Removal Program as planned and consistent with past practices.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblock.*

Inspections can be impeded by customer refusals, but these constraints, among others, are more prevalent when SCE executes remediation. Please see the discussion in Section 8.2.3.3.1 describing customer refusals and other constraints, which can impact the Dead and Dying Tree Removal Program.

- *Changes/updates to inspection program since the last WMP Including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)*

Consolidated Inspection Strategy

As discussed in Section 8.2.2.1 Routine Line Clearing (Distribution & Transmission) above, in 2023, SCE will deploy a new centralized inspection schedule to consolidate the inspection process for Routine Line Clearing, HTMP, and Dead and Dying Tree Removal Program to allow for better contract and planning optimization.

8.2.2.4 Remote Sensing Inspections

8.2.2.4.1 LiDAR Inspections

Inspection Process

In this section, the electrical corporation must provide an overview of the individual vegetation inspection and inspection criteria. Include the various methods of inspection conducted for each inspection program. Include relevant visuals and graphics that depicts the workflow and decision process the electrical corporation uses for the inspection program (see example Figure 8-3).

LiDAR is a surveying inspection method that measures distance to a target by illuminating the target with pulsed laser light and measuring the reflected pulses with a sensor. Differences in laser return times are then used to make digital three-dimensional representations of field conditions at the time of survey.

LiDAR for Transmission Assets

For Transmission lines, SCE calculates the maximum sag and sway of conductors (modeled conditions under maximum current load and maximum wind load) and compares the resulting conductor positions

under those “worst case scenarios” to existing vegetation as determined by LiDAR for the purposes of determining where mitigation is required. This form of inspection supplements and has the potential to help reduce/replace the typical ground-based, visual vegetation management inspections used as part of the maintenance of minimum clearance distances under maximum heat, wind, and load conditions.

SCE provides LiDAR data to inspectors conducting foot patrols on circuits, when available, to assist them in identifying potential encroachments and to help them validate that right-of-way clearances fully account for conductor dynamics. SCE uses LiDAR technology to inspect select Transmission and Sub-Transmission lines in accordance with FAC 003-4, General Order 95, Rule 35, and Public Resources Code 4293 to maintain appropriate clearances between SCE’s lines and vegetation.

Implementation of LiDAR for Bulk Transmission Lines was a 2019 WMP initiative and the use of LiDAR was operationalized using the class ranking system.[207] The success of the initiative demonstrated the effectiveness of using LiDAR for Transmission

inspections. LiDAR delivers consistently accurate results and allows for inspection of difficult terrain that may be inaccessible to ground inspectors.

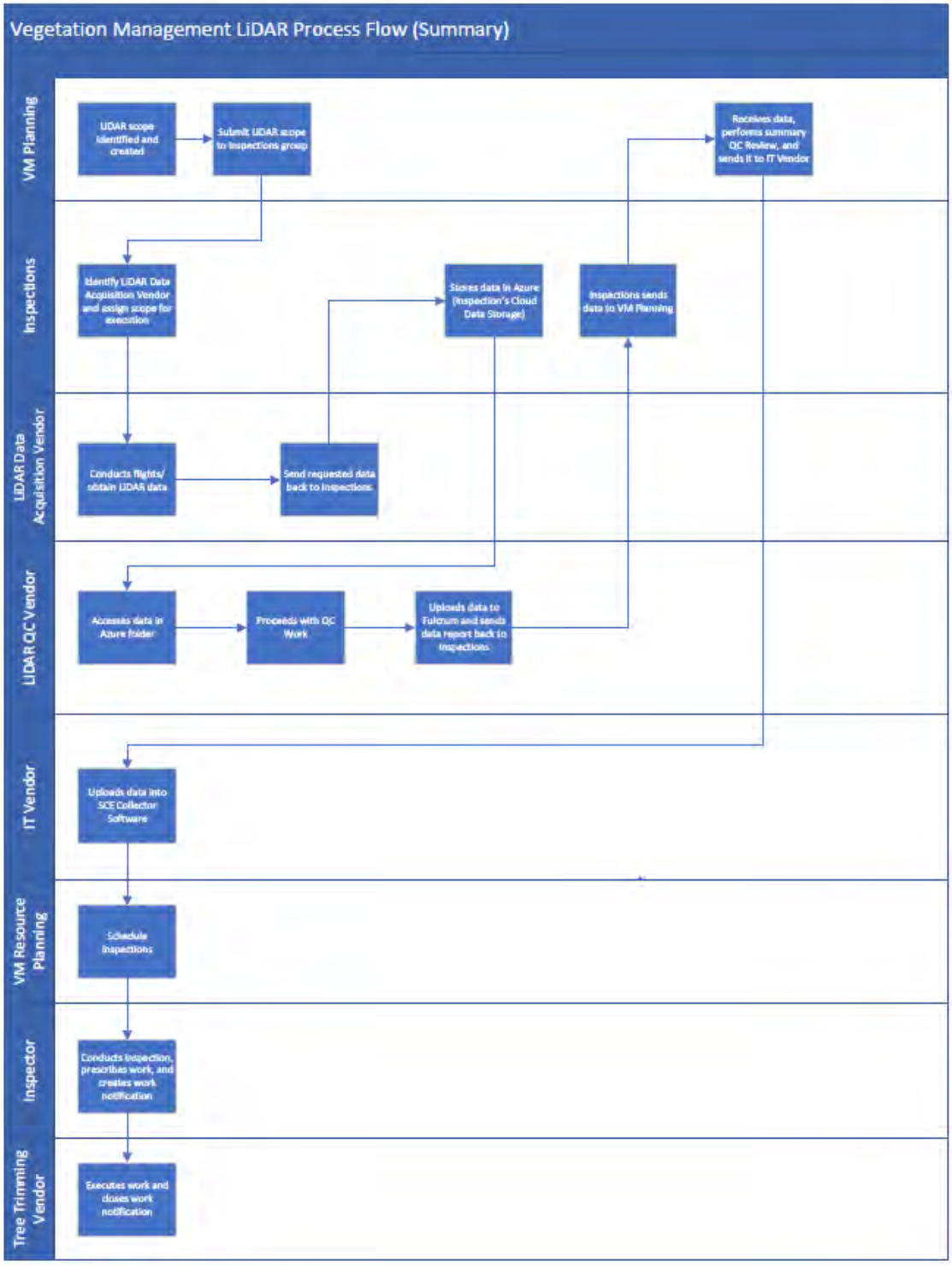
LiDAR for Distribution Assets

Currently, utilizing LiDAR on a large scale to supplement routine Distribution-related inspections is not feasible primarily because inspections for SCE’s distribution network is grid-based, while deploying LiDAR occurs on a circuit basis. As discussed in sub-section Circuit Basis in Section 8.2.2.1, SCE plans to transition to deploying work on a circuit basis by 2025. Once the circuit-based approach is implemented, SCE plans to use LiDAR to supplement or replace routine Distribution inspections

The workflow for LiDAR is illustrated below in Figure SCE 8-40.

[207] The class ranking system is a schedule based on criteria for LiDAR surveys to be performed and the frequency that LiDAR is used on impacted rights-of-way within the SCE System, as described in SCE’s UVM-06 LiDAR Schedule Reference Guide, Section 3.1.

Figure SCE 8-40 - LiDAR Process Flow



Frequency or Trigger

In this section, the electrical corporation must define and identify the frequency (including how frequency may differ by HFTD or other risk designation[s]) or triggers of the inspection program, such as inputs from the risk model.

If the inspection program is schedule based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

LiDAR for Transmission Assets

As documented in SCE's UVM-06, SCE uses a class ranking system to establish a schedule for LiDAR surveys to be performed on Transmission lines based on certain criteria. SCE provides the LiDAR Right-of-Way (ROW) Schedule via the Class designation for each ROW in UVM-06.

For 2023 and 2024, SCE plans to utilize LiDAR in Transmission as a supplemental tool to support inspections on circuits according to their class designation. Additionally, SCE will continue to evaluate the use of LiDAR to replace ground inspections for low-risk areas[208] and advance internal processes on how to auto-prescribe work to trim crews. Also, to realize additional remote sensing benefits, SCE plans on conducting targeted inspections based only on LiDAR-identified points rather than inspecting entire circuits via ground inspections. Lastly, this two-year window will also be critical to calibrate fall-in and grow-in modeled clearances in SCE's licensed Visualization & Analytics software. This calibration will enable SCE to begin building a vegetation inventory model that connects the LiDAR clearance data to the vegetation inventory's corresponding species and predicted growth rates.

Beginning in 2025, SCE will create a baseline set of fall-in/grow-in data points for the vegetation inventory across SCE's electrical assets, which will determine future LiDAR data capture optimization needs. SCE can build on this baseline LiDAR data to add to the inventory and process and visualize clearances systematically. Achieving this capability may allow SCE to revise or eliminate the Transmission class ranking system.

LiDAR for Distribution Assets

The use of LiDAR on SCE's distribution assets for inspections occurred for the first time in 2022 to support AOC. No trigger or frequency can be established from this occurrence. SCE provides more details on the use of LiDAR for AOC in the below section Accomplishments.

Accomplishments, Roadblocks, and Updates

- *Noteworthy accomplishments for the inspection program since the last WMP.*

Area of Concern (AOC)

In 2022, LiDAR was successfully deployed to support AOC (Area of Concern) for the first time. This method was used as a quicker way to identify abnormal growth and unexpected risks. Inspectors were

[208] A low-risk area is one defined by low inventory circuits with fewer than 50 inventory points and more than five miles long or long circuits over 50 miles in desert areas.

deployed to verify LiDAR points on the ground, and as a result of the accuracy of LiDAR measurements, did not have to inspect the entire circuit. Section 8.2.3.1.1 and Section 8.1.3.1 provide more details on AOCs.

- *Roadblocks the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblock.*

Weather Delays and Vendor Procurement

Some challenges that SCE has encountered with LiDAR include delays caused by weather and vendor procurement. While flights are scheduled as far in advance as possible for cost and schedule reasons, if inclement weather prohibits a flight due to safety concerns, the flight is rescheduled to the next earliest possible date.

SCE is currently working to engage multiple vendors to facilitate fewer interruptions in the execution of work. For instance, if one vendor has issues accomplishing the scope, SCE may request another vendor to assist in completing the scope. In addition to revising the acquisition and processing procurement strategy, SCE is expanding acquisition and processing capabilities, as detailed in Section 8.1.3.1.

- *Changes/updates to inspection program since the last WMP Including known future plans (beyond the curren*t year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)

Expanded Capabilities for LiDAR Inspections

SCE plans to improve the internal capability to collect, process, visualize and analyze vegetation clearances from LiDAR data, and vegetation health data from multispectral and hyperspectral imaging, respectively. As mentioned above, SCE also plans to capture a baseline LiDAR data set of fall-in/grow-in points. This data would eventually be systematically associated with the vegetation inventory. With a newly formed digital database, SCE expects to use AI/ML to develop schedules and determine work prescriptions.

SCE Inspection Team Software Dependency

In 2023, SCE plans to utilize licenses of a SaaS LiDAR Visualization & Analytics software platform to automate the vegetation encroachment clearance calculations and identify instances where Priority 1 (P1) clearance is not met at a network scale. Between Q3 2023 and Q2 2024, SCE plans to train the model and simultaneously test the algorithm to transition from vendor performed processing and analytics and move toward utilizing the SaaS licensed platform. After establishing the vegetation inventory, SCE anticipates being able to associate the inventory with vegetation encroachment clearance calculations and instances when P1 clearances are not met. Once the clearance data is mapped to the associated vegetation inventory, additional data such as vegetation health, species, and other attributes can be incorporated into the vegetation inventory to enable future AI/ML capabilities such as predictive growth, predictive trims, designation of high-risk areas, and network level vegetation health and density information. Advanced details around the integration of Vegetation Management's work management tool among the various analytics software are forthcoming. As mentioned in Section 8.1.3.1, SCE will execute the 2023 LiDAR Operations RFP to maintain current state procured third-party capabilities while concurrently building out in-house capabilities.

Work Prescriptions

The increase in utilization of remote sensing technology and related software is intended to reduce the amount of ground inspections over time. However, processes related to generating tree prescriptions through remote sensing technology and collecting environmental data attributes need to be developed further to complete the transition. Currently, prescriptions require a ground crew inspector to record a comprehensive amount of information including species, environmental considerations, and specifics regarding tree structure and health. To obtain this information through remote sensing technology, the use of multispectral and hyperspectral imagery along with AI/ML may become necessary. Even with those technologies in place, other information currently required for prescriptions may not be obtainable with remote sensing. In a multi-faceted effort to address these challenges and ultimately achieve the ability to issue prescriptions via remote sensing, SCE will be exploring the following:

- Employing the use of multispectral and hyperspectral imaging data processing through various mediums such as satellite
- Augmenting various data types (multispectral and LiDAR) with AI/ML technologies to perform optimized remote vegetation inspections
- Employing the use of AI/ML technologies on SCE Inspections' in-house software platform
- Potentially reducing the amount of information required for prescriptions
- Creating "hybrid" trim crews comprised of one or more individuals capable of completing prescriptions at the same time trim work takes place without a separate inspection visit
    - Initial prescription created via remote sensing and final prescription completed by trim crew
- Leveraging personnel in environmentally sensitive areas who pre-field, or examine site conditions, prior to trim work taking place
    - Initial prescription created via remote sensing and final prescription completed by pre-fielding personnel

8.2.2.4.2 Satellite Inspections

***Inspect*ion Process**

*I*n this section, the electrical corporation must provide an overview of the individual vegetation inspection and inspection criteria. Include the various methods of inspection conducted for each inspection program. Include relevant visuals and graphics that depicts the workflow and decision process the electrical corporation uses for the inspection program (see example Figure 8-3).

In 2022, SCE launched a pilot program to test the use of satellite technology for confirming the accuracy of vegetation clearances and identifying trees near overhead lines. This program evaluated a satellite's ability to identify the need for remediation on circuits with lower tree density

using hyperspectral imaging to identify vegetation health, density, and species. A variety of Transmission circuits were selected for this effort and results were validated against ground inspection data.

Similar to LiDAR, satellite-based inspection may be used to supplement or replace ground-based, visual vegetation management inspections to help maintain minimum clearance distances under maximum heat, wind, and load conditions. Satellite technology may be a viable alternative for inspecting circuits and could prove less expensive than LiDAR because it would not require helicopters or ground inspectors in the field. Satellite technology could also be a companion to LiDAR in higher risk areas by providing hyperspectral imagery and allowing SCE to reallocate resources, such as ground inspectors, to other areas. An additional use case for satellite is to evaluate tower locations that are only accessible by helicopter to determine if there is a need for brushing work prior to dispatching a helicopter-based brushing crew to the location. This provides the potential to reduce time, risk, and cost for the structure brushing activities. The benefits for all use cases are still under evaluation.

The projected implementation for satellite is generally the same as that of LiDAR. Below are three potential use cases that SCE is evaluating for satellite technology. SCE will continue to evaluate the viability, cost-effectiveness, operational feasibility, and other factors of satellite technology before adopting satellite technology into its Vegetation Management portfolio and deploying it for these use cases.

1. **Satellite to Drive Inspections**
    a. Use satellite data as the primary reference for ground inspectors to locate work points.
    b. Dispatch ground inspectors to work points identified by satellite only.
    c. Consider the remainder of the circuit clear.
    d. As with LiDAR, there may be a potential to save time and expenses related to ground inspector work with this method.
2. **Satellite to Replace Inspections**
    a. Use satellite as the complete inspection, obviating the need for ground inspections.
    b. Auto-prescribe all identified work points and assign to trim crews
        1. Requires the use of hyperspectral imagery to identify species (if required for prescriptions)
    c. Use historical imagery, ongoing scans, and AI/ML to create a working predictive analysis model of a circuit that predicts growth rate of inventory to facilitate planning on when and where trims will be required

d. Prescribe work based on predictions and validate new or eliminated inventory via ongoing scans

2. Requires a one-time effort to create the existing tree inventory in SCE's LiDAR and Visualization and Analytics and/or other data platform(s)

3. Satellite to Assist LiDAR

a. Use the hyperspectral imagery and AI/ML to identify species and tree health

b. Assist with LiDAR to facilitate auto-prescriptions

***Fr*equency or Trigger**

In this section, the electrical corporation must define and identify the frequency (including how frequency may differ by HFTD or other risk designation[s]) or triggers of the inspection program, such as inputs from the risk model.

If the inspection program is schedule based, the electrical corporation must explain how it uses risk prioritization in the scheduling of the inspection program to target high-risk areas. If the electrical corporation does not use risk prioritization in the scheduling of the inspection program, it must explain why.

Satellite technology is a pilot program and therefore, does not have a schedule. The scope will be strategically developed to test the functionality of satellite within each of the Vegetation Management programs listed in Table SCE 8-06. For more information on future frequency see the "Changes/Updates" section below.

***Accomplishments,* Roadblocks, and Updates**

- *N*oteworthy accomplishments for the inspection program since the last WMP.

In 2022, SCE launched a pilot program to test the use of satellite technology for confirming the accuracy of vegetation clearances and identifying trees near overhead lines. This program evaluated a satellite's ability to identify the need for remediation on circuits with less dense vegetation while using hyperspectral imaging to identify vegetation health, density, and species. Lower vegetation density circuits have vegetation points that are more easily identifiable, thus allowing SCE to become more familiar with satellite's capabilities. While SCE is still evaluating results, the results appear favorable in the areas of clearances, species identification, health identification, and inventory counting.

- *Roadblocks* the electrical corporation has encountered while implementing the inspection program and how the electrical corporation has addressed the roadblock.

Limited Resolution

While satellite possesses an advantage over ground inspections in terms of hyperspectral imagery and subsequent species/health identification, the current centimeter resolution is not accurate enough to use the tool independent of ground verification. As satellite technology matures, the capability and accuracy of satellite distance measurements should also improve. Public satellites with better resolution are forecasted to be launched and in orbit in the three-year WMP window, and SCE plans to continue

piloting with the goal of transitioning to more remote sensing as the technology continues to improve.

- *C*hanges/updates to inspection program since the last WMP Including known future plans (beyond the current year) and new/novel strategies the electrical corporation may implement in the next 5 years (e.g., references to and strategies from pilot projects and research)

Table SCE 8-09 below displays ways in which SCE is considering using satellite for its Vegetation Management programs.

Table SCE 8-09 - Satellite's Future Potential

Vegetation Management Programs	**Potential Implementation of Satellite**
• Routine Line Clearing	- Drive inspections (clearance analysis) - Replace inspections (auto prescription) - "Cycle Buster" activities (predictive analysis)
• HTMP and Dead and Dying Tree Removal Program	- Assess tree health/need for mitigation (hyperspectral/species analysis)
• Structure Brushing	- Identify the existence of vegetation and need for mitigation work (hyperspectral analysis)
• Weed Abatement	- Identify the existence of vegetation and need for mitigation work (hyperspectral analysis)
• Supplemental Patrols	- Drive or perform inspections (clearance analysis) - Determine the need for patrols (predictive analysis)
• QA/QC	- Post-work verification (clearance analysis)

For 2023 and beyond, SCE plans to expand the satellite technology pilot program by adding approximately 1,000 circuit miles per year, depending on the technology's evolution. Additionally, SCE intends to increase the evaluation of inaccessible tower locations in the structure brushing program by approximately 50 sites per year. The full implementation of satellite technology throughout Vegetation Management's programs depends on: 1) improvements in accuracy, 2) SCE inspections processing software, and 3) integration with Arbora. These efforts are all in development.

8.2.3 Vegetation and Fuels Management

In this section, the electrical corporation must discuss the following mitigation initiatives associated with vegetation and fuels management:

1. *Fuels management*
2. *Clearance*
3. *Fall-in mitigation*
4. *Substation defensible space*
5. *High-risk species*
6. *Fire-resilient right-of-way*
7. *Emergency response vegetation management*

In the following subsections, the electrical corporation must provide an overview of its vegetation and fuels management initiatives. These overviews should include figure(s) that depict the workflow and decision process used for vegetation and fuels management. Figure 8-3 provides an example of the appropriate level of detail for tree trimming and removal.

In addition to figure(s), the electrical corporation must provide a narrative overview of each vegetation and fuels management initiative. The discussion must include the following:

- *Utility Initiative Tracking ID.*
- ***Overview of the initiative:** A brief description of the initiative including reference to related objectives and targets.*
- ***Governing standards and electrical corporation standard operating procedures:** Reference to the appropriate code and electrical corporation procedure. If any standard exceeds regulatory requirements, the electrical corporation must reference the document that the electrical corporation uses as a basis for exceeding the regulatory requirements.*
- ***Updates to the initiative:** Changes to the initiative since the last WMP submission and a brief explanation as to why those change were made. Discuss any planned improvements or updates to the initiative and the timeline for implementation.*

8.2.3.1 Pole Clearing

In this subsection, the electrical corporation must provide an overview of pole clearing activities, including:

- Pole clearing per Public Resources Code section 4292
- Pole clearing outside the requirements of Public Resources Code section 4292 (e.g., pole clearing performed outside of the State Responsibility Area)

8.2.3.1.1 Structure Brushing

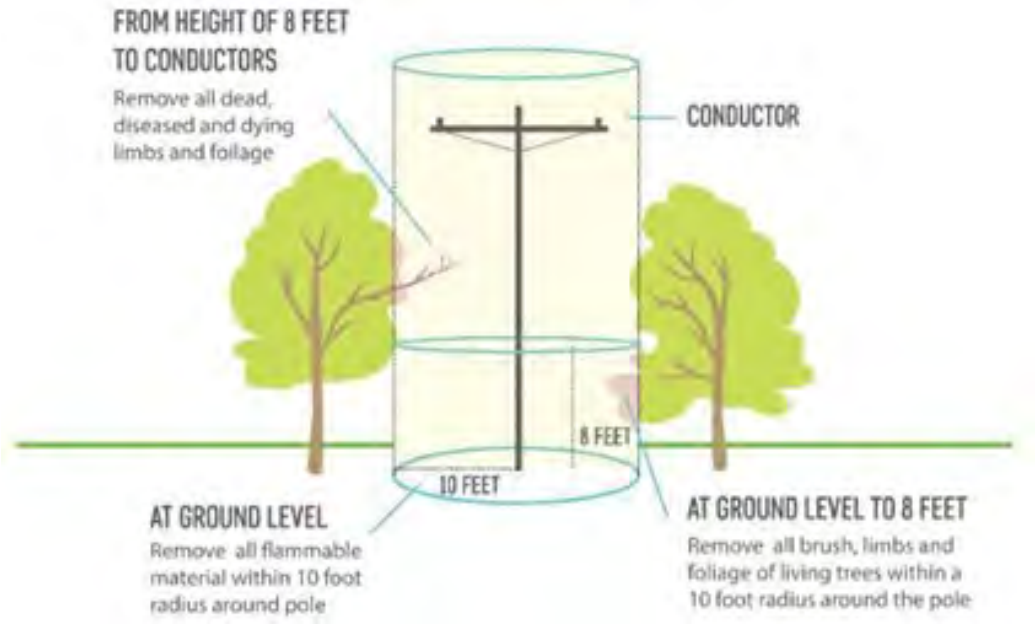
Utility Initiative Tracking ID: VM-2 (formerly Expanded Pole Brushing)

***Overview* of initiative** – Brief description of the initiative including the objective and the risk targeted by the initiative.

Vegetation at the base of poles and structures can provide the fuel needed to convert a spark from equipment failure into a fire. This vegetation can also support fire propagation, especially during dry and windy conditions. Additionally, even where the equipment is not the source of the ignition, brush surrounding a pole may catch fire and damage electric assets, impeding power restoration and reconstruction efforts. Thus, SCE removes vegetation around all poles and structures subject to PRC 4292 in State Responsibility Areas, while targeting additional Distribution poles outside of these areas in HFRA for risk mitigation.

The figure below illustrates the clearances around structures as required by PRC 4292. The structure brushing program maintains clearance from the ground up to 8 feet. Clearances above 8 feet are maintained in Routine Line Clearing.

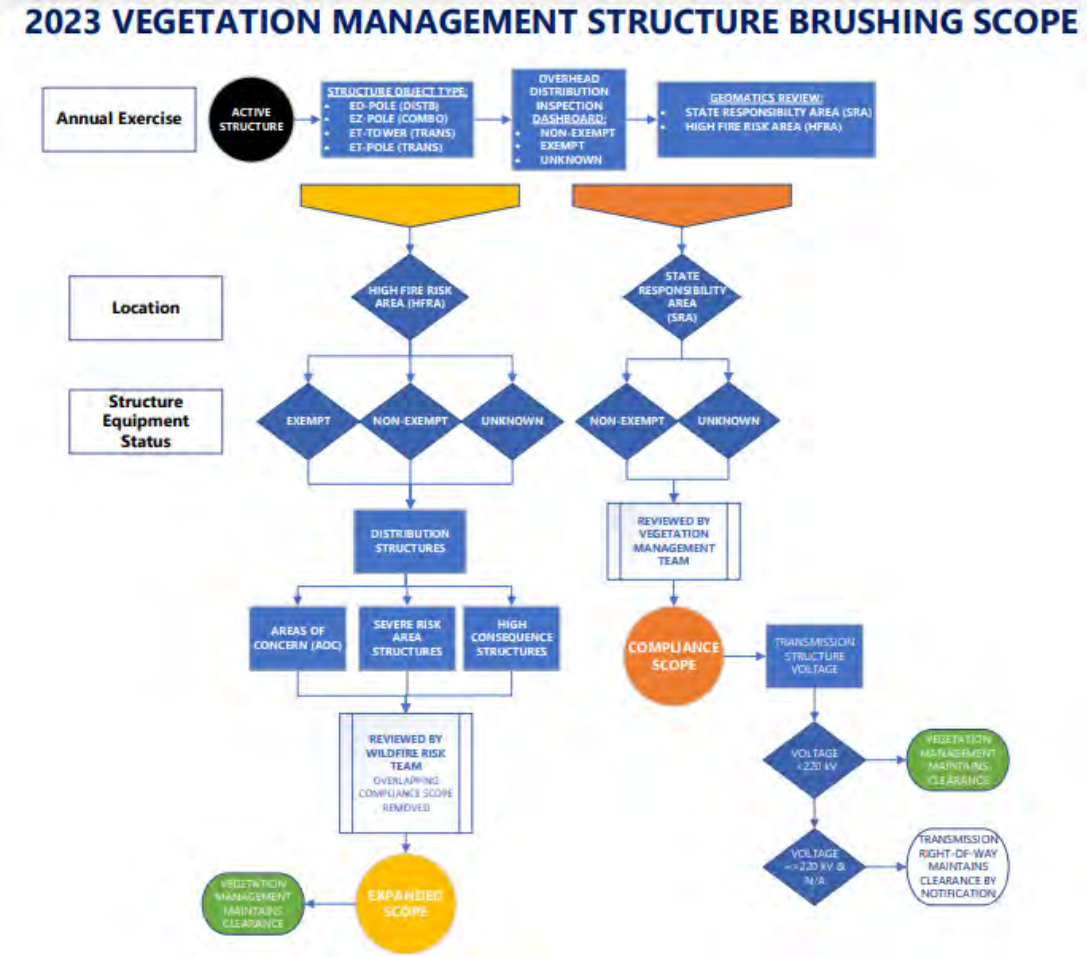
Figure SCE 8-41 - Structure Brushing Program



One of SCE's priorities is to maintain clearance on those poles subject to PRC 4292 in State Responsibility Areas. SCE also prioritizes poles in AOC in HFRA. The AOC population aims to mitigate risk in areas identified by SCE's Fire Science team that pose intra-year increased fuel-driven and wind-driven fire risk. SCE also addresses other poles identified in HFRA with non-exempt equipment and highest potential wildfire consequence. SCE considers both regulatory compliance and ignition risk in prioritizing its brushing schedule, as well as access issues (e.g., landowner consents, environmental approvals) and operational efficiency.

The figure below illustrates the workflow and decision process for all structure brushing scope.

Figure SCE 8-42 - Structure Brushing Decision Process



***Governing standards and electrical corporation standard* operating procedures** – Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.

PRC 4292

California Public Resource Code (PRC) 4292 and related regulations require utilities in certain areas and at certain times to "maintain around and adjacent to any pole or tower which supports a switch, fuse, transformer, lightning arrester, line junction, or dead end or corner pole, a firebreak which consists of a clearing of not less than 10 feet in each direction from the outer circumference of such pole or tower." The structure brushing program removes vegetation at the base of distribution poles to reduce the risk of ignition and/or fire spread due to a spark or contact with failed equipment. This activity removes vegetation around applicable structures subject to PRC 4292 in State Responsibility Areas, while

targeting additional distribution poles in HFRA for further risk mitigation.

The scope incremental to that required by PRC 4292 aligns with SCE's IWMS which targets distribution structures in AOCs, Severe Risk Areas, and High Consequence Segments. These areas have been identified to present heightened wildfire risk and are being targeted for grid hardening with additional mitigations, which includes additional Vegetation Management activities like structure brushing.

Climate Adaptation Vulnerability Assessment

SCE filed its first Climate Adaptation Vulnerability Assessment (CAVA) on May 13, 2022 as required by CPUC D.20-08-046. This Decision required utilities to study climate risks to their assets, operations, and services and to file the assessment results one year before their GRC to enable the results of the assessment to inform GRC requests. In the CAVA, wildfire was studied as a climate variable of concern alongside temperature, sea level rise, precipitation, and cascading events. Importantly, CAVA studied the risks wildfires pose to utility infrastructure and operations, and not the risks from ignitions associated with utility equipment. The CAVA included a detailed analysis of the exposure of assets, operations, and services to wildfire, the adaptive capacity of the system to continue to provide service to customers in the event of climate-related disruption, and the potential impacts on vulnerable communities and community adaptive capacity, as developed through an in-depth community engagement process. The CAVA identified structure brushing as one potential adaptation strategy to limit the probability of fires damaging high-risk sub-transmission poles.

Climate projections show that fire exposure is projected to increase in and around HFRAs, which already have an elevated risk of wildfires.[209] Summer wildfires are projected to become more intense, particularly in mountainous regions. Most non-HFRA portions of SCE's service area are projected to experience fire exposure similar to their historical exposure. Based on this analysis and subject to approved cost recovery, SCE proposes to add a limited scope of approximately 200 structures to its sub-transmission pole brushing activity in HFRA, incremental to the pole brushing activity already discussed in this WMP. The current pole brushing scope is intended to mitigate the risk of utility-caused ignitions, while the additional scope proposed in this section is intended to adapt to higher burn activity resulting from climate change. The sub-transmission poles proposed as incremental scope were selected based on the highest projected burn areas in 2030 and are located in geographic proximity to other pole brushing scope. This activity is projected to begin in 2025.

***Updates* to initiative** - Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation.

In 2023, SCE plans to explore leveraging AI/ML to improve structure brushing prioritization and furthering the integration of pole brushing into SCE's IWMS by targeting structures in severe and high consequence areas.

Also, as mentioned above, in 2025 SCE plans to increase the scope of its sub-transmission pole brushing activity in response to the CAVA analysis, if approved in the 2025 GRC.

[209] Climate Change Vulnerability Assessment Pursuant to Decision 20-08-046, Section IV.D.1, pp.104-108.

8.2.3.1.2 Reduction or adjustment of live fuel (based on species or otherwise)

See Section 8.2.3.6 for details regarding the fuel management of "high-risk species", Section 8.2.3.7for details regarding the management of live fuel in rights-of-way and Section 8.2.3.1.1 above for details on the management of live fuel at the base of structures.

8.2.3.2 Wood and Slash Management

In this subsection, the electrical corporation must provide an overview of how it manages all downed wood and "slash" generated from vegetation management activities, including references to applicable regulations, codes, and standards.

8.2.3.2.1 Reduction or adjustment of dead fuel, including all downed wood and "slash" generated from vegetation management activities

Utility Initiative Tracking ID: Reduction of downed wood and slash from Vegetation Management activities is incorporated into each Vegetation Management initiative and therefore relates to VM-1 through VM-4, VM-7, and VM-8. SCE describes these efforts in this section.

***Overview* of initiative** – Brief description of the initiative including the objective and the risk targeted by the initiative.

Vegetation Management activities produce woody debris that, if not properly handled, can act as fuel around or near electrical equipment and other critical infrastructure and increase the probability of ignition and spread of wildfire. SCE reduces slash (e.g., cut limbs and other woody debris) from Vegetation Management activities by chipping and hauling the material away to be disposed or recycled by pruning/removal contractors.

SCE's contract crews strive to remove all wood and material resulting from mitigation for Routine Line Clearing, Structure Brushing, HTMP, and the Dead and Dying Tree Program typically within 100 feet of a dirt or paved road, subject to site conditions. On private property, crews will typically strive to remove all wood, providing that crews are able to maneuver and operate their equipment close enough to the area (e.g., skid steers). On federal lands, crews will typically remove logs, branches, and debris within 100 feet of a road or structure. Beyond 100 feet, SCE lops and scatters the limbs and brush with a height no greater than 18 inches above the ground and leaves logs greater than four inches in manageable sections, subject to site conditions.

SCE's pruning and removal contractors abide by the standard cleanup and disposal expectations for work sites. Removal and disposal of debris generated during SCE vegetation management activity, except as requested by the customer (e.g., for firewood or mulch) or where logistical constraints exist (e.g., steep slope with no vehicular access), is typically performed the same day. For example, where possible, all debris after pruning or removal is chipped with trailer chippers and hauled away from the work site. In some cases, debris is moved the following day due to the volume or is not removed at all due to logistical constraints. Where logistical constraints exist, SCE will work to mitigate the potential fuel risk by scattering the debris according to best practices or any existing fuel management plan applicable to the work site. Concerted efforts are made to rake up and dispose of green or freshly removed leaves, and work sites are left in a condition consistent with the condition prior to Vegetation Management activity.

Governing standards and electrical corporation standard operating procedures – Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.

Reducing slash from Vegetation Management initiatives is a standard prudent practice conducted during Vegetation Management activities, as documented in UVM-02 and UVM-03. SCE requires its Vegetation Management contractors to include debris removal as part of their Statement of Work, with a few exceptions such as in remote forested areas where lopping and scattering debris approximately 100 feet from the road, subject to site conditions, is generally permitted.

***Updates* to initiative** - Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation.

There have been no updates since the last WMP submission.

8.2.3.3 Clearance

In this subsection, the electrical corporation must provide an overview of clearance activities, including:

- *Clearances established in excess of the minimum clearances in Table 1 of GO 95*
- *The bases for the clearances established*

8.2.3.3.1 Expanded Clearing (Clearances established in excess of the GO 95 minimum required clearances in Table 1 of GO 95 - for purposes of clarification SCE utilizes the GRCD as verification that an expanded clearance has been obtained)

Utility Initiative Tracking ID: SCE seeks to achieve expanded clearances where feasible in HFRA as part of its Routine Line Clearing activities (Distribution Vegetation Management Plan (VM-7) and Transmission Vegetation Management Plan (VM-8)), and thus this activity does not have a separate tracking ID.

***Overview* of initiative** – Brief description of the initiative including the objective and the risk targeted by the initiative.

SCE performs expanded line clearances to mitigate the risk of vegetation contact with energized conductors. For line voltages between 2.4 kV to 69 kV, vegetation can create a risk to SCE facilities when the vegetation is located in “grow-in zones” (i.e., beneath or adjacent to the conductors), “blow-in zones” (i.e., within general proximity to conductors where there exists the risk of vegetation being blown into conductors), and “fall-in zones” (i.e., outside of the grow-in zone but within striking distance of conductors). For line voltages greater than 115 kV, SCE has a “wire-zone” which is defined as the area directly beneath the conductors and includes the distance of the conductors at maximum sway condition. Vegetation within this zone has grow-in and fall-in potential, which creates risk to SCE equipment and facilities.

SCE utilizes the Grid Resiliency Clearance Distance (GRCD) to verify whether an expanded clearance has been obtained. In HFRA, SCE strives to obtain expanded clearances of 12 feet for Distribution lines, and 30 feet for Transmission lines. At a minimum, SCE’s Routine Line Clearing work within HFRA maintains at

least the required four feet clearance for Distribution lines and the required 10 feet clearance for Transmission lines for a full annual inspection cycle. Where GRCD has been achieved historically, SCE strives to maintain the expanded clearance thereafter. Additionally, within the wire-zone, fast-growing species are targeted for removal if the species has the capability to encroach into the wire zone.

Over the last two years, SCE has worked to categorize the GRCD exemption status of trees in HFRA to support analysis and understanding of the total inventory available to achieve expanded clearances. Over the next three years, SCE seeks to improve the support and execution of expanded clearing by applying the TRI calculations to SCE's high fire inventory and overlaying that data set with the GRCD exemption status from the 2022 annual cycle. SCE's initial efforts will focus on highly challenged districts in high TRI ranking quadrants.

The figure below depicts the various types of clearance to be achieved, with Regulation Clearance Distance (RCD) representing required distance per GO 95 and GRCD representing expanded clearing.

Figure SCE 8-43 - Clearance Descriptions[210]

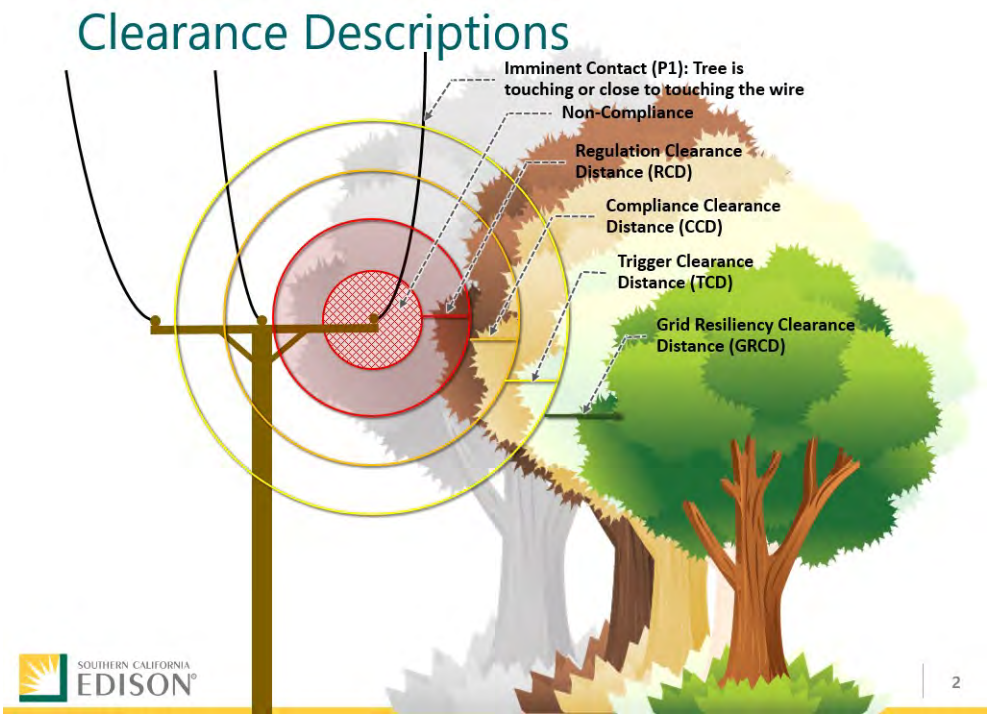
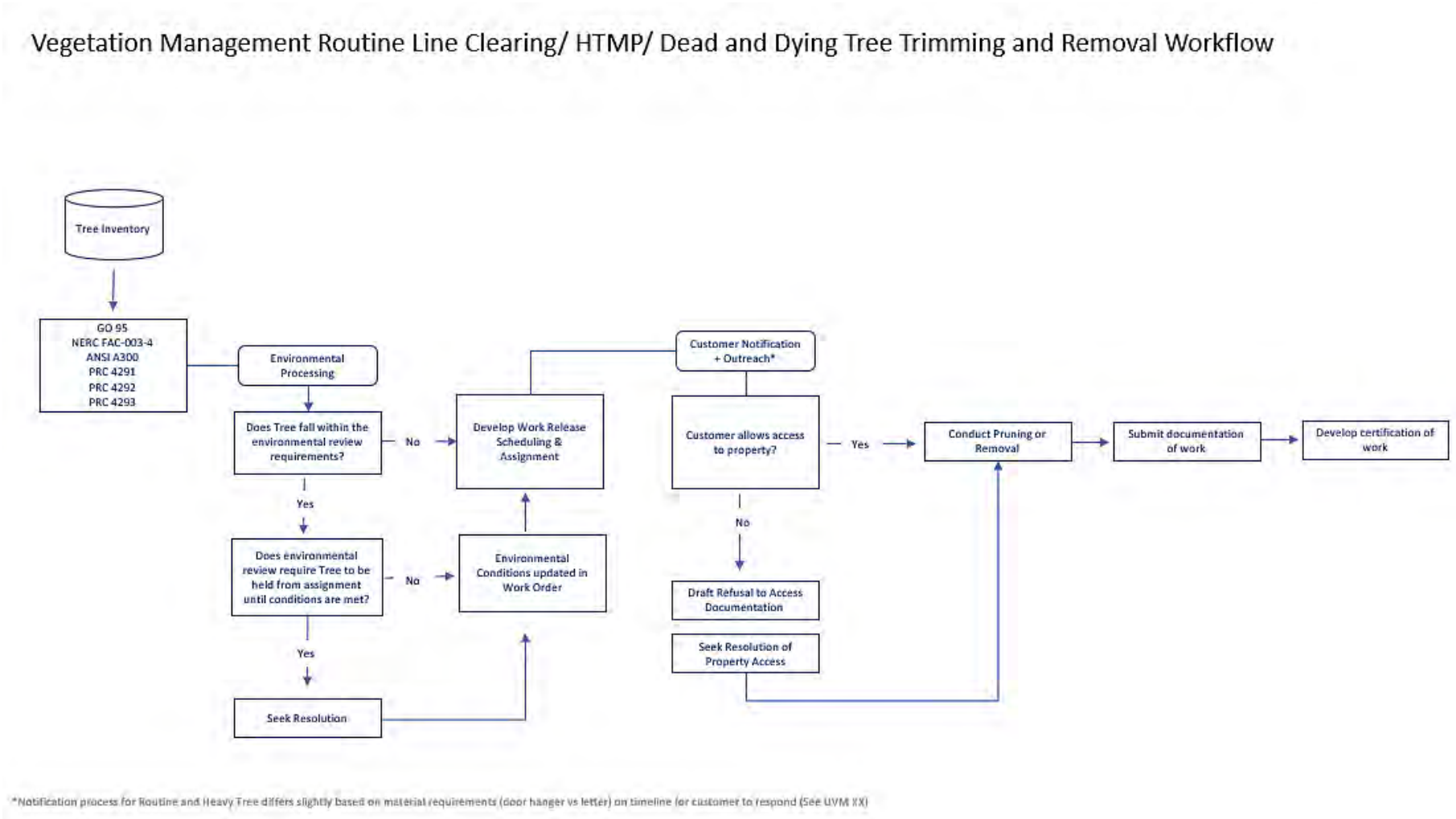


Figure 8-3 below shows the workflow for the remediation work, including trimming and removal, performed under Routine Line Clearing, HTMP and Dead and Dying Removal Program.

[210] RCD means Regulatory Clearance Distance, and is the minimum clearance required by regulation. CCD means Compliance Clearance Distance and is SCE's minimum clearance standard which is 1.5 times the RCD. TCD means Trigger Clearance Distance. TCD is derived from CCD plus 3 feet and is the distance that triggers the maintenance activity. GRCD is the Grid Resiliency Clearance Distance, which aligns with the GO95 Rule 35, Appendix E recommended clearance.

Figure 8-3 - Trim and Removal Workflow



In some instances, SCE may not achieve expanded clearances due to the factors noted in the table below.

Table SCE 8-10 - Operational Factors

Operational Factors	Description
Agency and environmental regulatory requirements	Work in environmentally sensitive areas may be restricted in both scope and timing, or may require a lengthy permitting process, making timely expanded clearances infeasible. For more information, see the Environmental Compliance and Permitting in Section 5.4.5
Crew equipment	Trees that may require the use of specialized equipment/needs (such as a crane or outage) to safely and adequately achieve the GRCD
Customer denies GRCD	Customer requests to not trim back "more" than in previous trim cycles. No authorization from property owners to clear beyond Regulation Clearance Distance (RCD) + 1-year's growth. SCE takes appropriate and at times, extensive, steps to engage customers in these matters.
PRC Exemption (Major Woody Stem)	Trees that qualify for Cal. Code Regs. Tit. 14, § 1257 - exempt minimum clearance provisions
Site condition/environmental factors	Crew-identified conditions at time of work being performed which necessitate less than desired clearance (e.g., active wildlife nests or site construction). For more information, see the Environmental Compliance and Permitting in Section 5.4.5
Tree condition	Indication that the tree could not be cleared back to the GRCD without a significant impact to the tree health and could ultimately worsen tree health and increased potential for future hazardous tree conditions
UVM Exception (e.g., Oaks, Conifers, Historic, etc.)	Trees known to have slower growth rates/risk profiles and have regional, local, or arboricultural requirements that prevent the GRCD from being achieved

Governing standards and electrical corporation standard operating procedures *– Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

For expanded clearing, SCE strives to meet, when possible, the recommended clearances of GO 95 Rule 35, Appendix E.

These standards have been incorporated into SCE's Transmission Vegetation Management Plan (TVMP) found in UVM-02 and Distribution Vegetation Management Plan (DVMP) found in UVM-03.

Updates to initiative *- Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation.*

Helisaw Pilot

SCE has been exploring an alternative method of bulk tree trimming by utilizing helicopters to trim trees. This method would primarily be used on long spans of transmission ROW, where a high density of trees exists. The work is performed by suspending a large saw on a helicopter to trim trees as the helicopter directs it along the ROW, with the ground crew typically removing all debris. SCE is exploring costs and other benefits that might result from using this method of work. The new work method will only be utilized when the project is cost neutral or less than traditional ground maintenance.

Improvements in GRCD Achievement Rate

In 2019, SCE implemented expanded clearances, then known as Grid Resiliency Clearance Distance (GRCD), per the recommendation of GO 95 Rule 35 Appendix E. At present, SCE has an approximate 67% success rate in achieving GRCD. As part of SCE's collaboration with an independent third-party, SCE is conducting an analysis related to GRCD achievement and will prioritize locations and specific steps to be taken based on the analysis results in an effort to increase the GRCD achievement rate, subject to the operational factors noted in Table SCE 8-10 above.

As a first step, SCE overlaid its GRCD achievement rates to the TRI analysis rankings to prioritize the highest risk districts. SCE has been collecting GRCD deviation data for the past two years and will use that data to develop plans to address each district. SCE plans to deploy an engagement strategy for targeted geographic locations over the next two to three annual cycles to improve GRCD achievement rates, excluding the UVM excepted tree species (e.g., Oaks, Conifers, Historic) and the PRC exempted heavy woody stem species.

8.2.3.3.2 Expanded Clearances for Legacy Facilities

Utility Initiative Tracking ID: Expanded Clearances for Legacy Facilities, VM-3

Overview of initiative *– Brief description of the initiative including the objective and the risk targeted by the initiative*

Legacy facilities comprise SCE's generation assets located in Tier 2 or 3 in HFRA that have a risk of ignition and include high voltage facilities such as powerhouses, switchyards, and substations. These energized facilities may also be low voltage facilities or assets such as weather stations, valves, pull boxes or other electrified equipment.

Many of SCE's energized legacy facilities, including powerhouses and switchyards, are located in or near heavily forested areas. Electrical facilities in close proximity to vegetation face an increased risk of faults due to vegetation contact, and potential for those faults leading to an ignition. Therefore, this initiative seeks to reduce the risk of vegetation contact associated with these facilities.

The compliance defensible space in accordance with PRC 4291 is 100 feet for occupied facilities and 30 feet for unoccupied structures, respectively. In this initiative, SCE seeks to remove or clear additional vegetation using the standard remediation methods of trims, removals, and/or weed abatement to render the defensible space[211] around a facility even more vegetation-free.

In 2020, SCE completed an analysis of all sites to prioritize treatment based on HFRA tier and assessment findings. SCE's analysis identified 156 legacy facilities in HFRA to be targeted for expanded clearances in the 2020-2022 WMP cycle. In 2020, all 156 sites were assessed, with SCE completing treatment of 62 of the highest risk locations. In 2021, SCE completed treatment of an additional 62 sites, with the remaining 32 sites treated in 2022.

For the current WMP cycle, the scope of the expanded clearance program for legacy facilities is being increased to include an additional 95 legacy facilities. Due to resource constraints, these additional 95 facilities, which represent lower risk than the original 156 sites, were not included in the 2020-2022 cycle.

However, the inclusion of these sites helps to further reduce wildfire risk. In the 2023-2025 cycle, the program will continue maintaining expanded clearance of 95 previously treated legacy facilities that have experienced vegetation re-growth.

Governing standards and electrical corporation standard operating procedures *– Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

PRC 4291 requires a landowner that owns a building in or adjoining a mountainous area, forest-covered lands, shrub covered lands, grass-covered lands, or land covered with flammable material to maintain a defensible space of 100 feet around an occupied building with more intense fuel reductions within 30 feet around the structure. For unoccupied structures (e.g., gatehouse, gauging station, or intake structure),[212] the defensible space required is 30 feet from the structure.

[211]Defensible space comprises the area around a legacy facility which fire personnel can safely enter to defend a legacy facility from fires.

[212] SCE personnel and contractors may visit these structures (outbuildings) from time to time, but they would not occupy them for an extensive period of time.

SCE incorporates these standards in its procedures found in "SCE VM-3 Program Guide."

***Updates** to **initiative** - Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation*

SCE identified an additional 95 energized sites located in Tier 2 and Tier 3 of SCE's HFRA for treatment in 2023 through 2025, as well as re-treatment of 95 previously treated sites. See the above sub-section "Overview of Initiative" for more details.

8.2.3.4 Fall-In Mitigation

In this subsection, the electrical corporation must provide an overview of its actions taken to identify and remove or otherwise remediate trees that pose a high risk of failure or fracture that could potentially strike electrical equipment (e.g., danger trees or hazard trees).

8.2.3.4.1 Hazard Tree Management Program (HTMP)

Utility Initiative Tracking ID: VM-1

***Overview of initiative** - Brief description of the initiative including the objective and the risk targeted by the initiative*

SCE's HTMP is a wildfire mitigation program performed in SCE's HFRA designed to reduce fall-in or blow-in risk to SCE's electrical assets posed by green or live trees with specific conditions. Analysis of Tree Caused Circuit Ignition (TCCI) data revealed that a significant number of faults were caused by green trees "falling in" or branches, fronds, or other tree parts from green trees "blowing in" to SCE lines and equipment. These trees were typically outside of the compliance clearance zone.

The purpose of an HTMP assessment is to identify trees that pose a risk to electric facilities based on the tree's observed structural integrity and site conditions. Some visually healthy trees located beyond the required clearance distances can still pose a fall-in risk, depending on the condition of the tree and other site-specific factors. Branches or fronds can become dislodged from trees near electrical facilities, blow into the lines and equipment, and cause faults that can potentially initiate an ignition. As discussed in Section 8.2.2.2, SCE prioritizes locations within HFRA based on HFRA tier and density of vegetation surrounding SCE's facilities.

Please refer to Figure 8-3 in Section 8.2.3.3.1 for the workflow to the remediation process.

***Governing standards and electrical corporation standard operating procedures** – Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

SCE's standard operating procedures (SOP) for HTMP are documented in SCE's Utility Vegetation Management (UVM) Program titled, UVM-04 "Hazard Tree Management Plan."

Updates to initiative *- Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation*

As discussed in Section 8.2.2.1 above, SCE will deploy a new centralized inspection schedule to consolidate the inspection process for Routine Line Clearing, HTMP and Dead and Dying Tree Removal Program. SCE anticipates more efficiency in the deployment of contractor resources to execute work because cross-program scope will generally be identified at the same time in one geographical area under the new consolidated inspection strategy.

SCE has also made changes to the Tree Risk Calculator (TRC) and plans to utilize the new formula for Hazard Tree re-inspections beginning June 2023. A review of the TRC identified opportunity to align rated tree lean severity with direction of lean to better capture risk of vegetation strike to SCE assets. Previously, separation of lean from likelihood of impact could cause a severe lean to elevate the priority of a tree leaning away from SCE assets.

8.2.3.4.2 Dead and Dying Tree Removal Program

Utility Initiative Tracking ID: VM-4

Overview of initiative *- Brief description of the initiative including the objective and the risk targeted by the initiative*

The Dead & Dying Tree Removal program (formerly called the Drought Relief Initiative or DRI) was established as a result of the epidemic of dead and dying trees brought on by climate change and years of drought. Moreover, Resolution ESRB-4, GO 95 and PRC 4923 require that SCE mitigate the hazards posed by dead trees or those that are identified as significantly compromised.

Dead and dying trees have a higher probability of failing, and if within striking distance of SCE lines and equipment, can cause fault conditions, sparks, and ignition. Under this program, SCE conducts patrols in HFRA to identify and remove dead, dying, or diseased trees affected by drought conditions and/or insect infestation. All trees that are identified within strike distance of SCE overhead facilities that are dead or expected to die within one year are prescribed for removal.

Please refer to Figure 8-3 in Section 8.2.3.3.1 for the workflow to the remediation process.

Governing standards and electrical corporation standard operating procedures *– Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

SCE's Dead and Dying Removal Tree Program is documented in SCE's UVM procedure UVM-18, "Assessment and Removal of Dead and Dying Trees" which meets and/or exceeds the requirements established by GO 95, PRC 4923 and the CPUC Drought Resolution ESRB-4, dated June 12, 2014.

Updates to initiative *- Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation*

As discussed in Section 8.2.2.1 above, SCE will deploy a new centralized inspection schedule to consolidate the inspection process for Routine Line Clearing, HTMP and Dead and Dying Tree Removal Program. SCE anticipates more efficiency in the deployment of contractor resources to execute work because cross-program scope will generally be identified at the same time in one geographical area under the new consolidated inspection strategy.

8.2.3.5 Substation Defensible Space

In this subsection, the electrical corporation must provide an overview of its actions taken to reduce ignition probability and wildfire consequence due to contact with substation equipment.

8.2.3.5.1 Substation Inspection and Management

Utility Initiative Tracking ID: 8.2.3.5.1 Substation Inspection and Management

Overview of initiative *– Brief description of the initiative including the objective and the risk targeted by the initiative*

SCE inspects vegetation around its substations for potential risks from encroachment or blow-in or fall-in hazards and manages vegetation around its substations by performing pruning, removal, and weed abatement. The primary risk to be mitigated is vegetation contact with energized conductors and equipment, as well as preventing fire damage to substations.

Governing standards and electrical corporation standard operating procedures *– Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

The governing standards for substation inspection and management is documented in CPUC GO 174. SCE's SOP for substation inspection and management is documented in SCE's Substation Operations and Maintenance Policy and Procedures (SOM), SCE's Electrical Design Standards Layout 06-90-01.

Updates to initiative *- Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation*

There are no changes to this initiative since the last WMP submission.

8.2.3.6 High-Risk Species

In this subsection, the electrical corporation must provide an overview of its actions, such as trimming, removal, and replacement, taken to reduce the ignition probability and wildfire consequence attributable to high-risk species of vegetation.

Utility Initiative Tracking ID: SCE targets high-risk (which SCE refers to as "at-risk") species through its HTMP (VM-1) initiative and/or Routine Line Clearing (VM-7 and VM-8) activities.

Overview of initiative *- Brief description of the initiative including the objective and the risk targeted by the initiative.*

SCE manages at-risk species and implements clearances to reduce the probability of vegetation contacting electric facilities. Certain tree species, due to their characteristics, have the potential to cause "grow-in", "blow-in", or "fall-in" incidents that could lead to an outage or an ignition. Accordingly, SCE takes steps to mitigate the risk of at-risk species coming into contact with energized conductors.

SCE considers other factors, but primarily focuses on tree growth rates, to identify at-risk tree species. SCE has identified tree inventory species within three growth rate categories (fast, medium, slow). In addition, SCE has documented the list of species contained in SCE's service area that have historically caused problems such as Tree Caused Circuit Interruptions (TCCI). Some of the risk attributes associated with these species include, but are not limited to: being prone to trunk failure, branch failure, limb sway during windy conditions, frond drop, root failure, and tree flammability.

SCE's tree species inventory list with growth rates and risk characteristics has been integrated into SCE's probability of ignition (POI) model that informs the TRI. The TRI is used to develop the inspection scope and frequency for HTMP, as discussed further in Section 8.2.2.2 .

SCE's vegetation crews are knowledgeable about both tree growth rates and tree risk attributes. Line clearing crews are instructed to factor risk attributes into the decision-making process when determining the right tree prescriptions, to ensure compliance clearances are maintained, or when determining if a tree removal is warranted. Additionally, all fast-growing species in grow-in zones are targeted for removal, if possible, when the species has the capacity to encroach into the clearance distance. When practical, SCE removes immature vegetation in the drop-in zone (e.g., overhangs) within HFRA and removes or makes safe palms that have the potential to dislodge fronds.

Due to a palm's fast growth rate, palms drive a significant amount of off-cycle trims and emergency work required to prevent circuit interruptions and other safety risks. Palms make up approximately 6 percent of SCE's overall inventory but are responsible for almost 45 percent of TCCIs. Trimming a palm also poses worker safety risks. Approximately 45% of palm inventory requires climbing the tree to trim it. To further mitigate public and worker safety risks associated with trimming palm trees, palms near lines are typically targeted for removal.

In 2021, SCE implemented its palm removal program to help mitigate the risk of vegetation- related ignitions and faults caused by palms. This program deployed resources to seek removal of palms based on specific risk criteria. Depending on their proximity to electrical facilities, these palms may pose significant operational challenges, which include: (1) the palm is a major driver of emergent work and outages (e.g., palm fronds drop onto primary wire); (2) the palm represents a wildfire threat, as dead

palm fronds are highly flammable and are easily blown long distances by winds; and (3) the palm is fast-growing (upwards) and may require multiple trims per year to maintain compliance.

Since 2021, SCE has removed over 20,000 palm trees posing potential blow-in or grow-in hazards, and currently has an inventory of approximately 95,000 palms remaining. SCE will continue applying criteria to determine when a palm should be targeted for removal. SCE will also continue to monitor both removal rates and ignition/fault data to determine if additional efforts are warranted.

Governing standards and electrical corporation standard operating procedures *– Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

SCE's standard operating procedures for at-risk species are documented in SCE's UMV-09, which provides information on at-risk species and subsequent remediation.

Updates to initiative *- Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation.*

There are no changes to this initiative since the last WMP submission.

8.2.3.7 Fire-Resilient Right-of-Ways

In this subsection, the electrical corporation must provide an overview of its actions taken to promote vegetation communities that are sustainable, fire-resilient, and compatible with the use of the land as an electrical corporation right-of-way. It must also provide an overview of its actions to control vegetation that is incompatible with electrical equipment and with the use of the land as an electrical corporation right-of-way. This may include, but is not limited to, the following activities: the strategic use of herbicides, growth regulators, or other chemical controls; tree-replacement programs; promotion of native shrubs; prescribed fire; or fuel treatment activities not covered by another initiative.

Utility Initiative Tracking ID: 8.2.3.7

Overview of initiative *– Brief description of the initiative including the objective and the risk targeted by the initiative.*

SCE's Fuel Management Program demonstrates SCE's commitment to wildfire safety through active management of Rights-of-Way (ROW) and reduction of hazardous fuel loading on the landscape that is not captured by routine VM operations. The goal of SCE's Fuel Management Program is to proactively remove vegetation, typically with mechanized equipment, under transmission and distribution conductors, in areas beyond the scope of Routine Line Clearance. An added benefit of this initiative is the creation of wildfire fuel breaks and increased buffer protection for conductor infrastructure.

Additionally, SCE currently manages several pilot programs, that if successful and subject to an assessment of constraints and feasibility, may be incorporated into this initiative in future years. Several of these pilot programs have been implemented in conjunction with environmentally approved Integrated Vegetation Management (IVM) practices. SCE focuses its IVM programs in mountainous

service area due to the high inventory counts, frequency of maintenance, and the potential impact from wildfires and hazardous trees.

SCE's pilot programs related to this initiative include the use of herbicides, hydroseeding, goat grazing, the use of tree growth regulators (TGRs), and the ROW Low Growth program.

- For the herbicide program, SCE is piloting the use of herbicides for pre- and post-emergent applications. The former works well for sites where re-growth of fast and/or invasive woody stem species is undesirable while the latter is useful for combatting invasive species.
- Hydroseeding involves the application of seeds, mulch, water, and additional components and is designed to develop a desired plant community of beneficial, slow-growing vegetation.
- Goat grazing allows SCE to target specific plant species while minimizing ground disturbance and provides a more cost-effective approach to brush mitigation. Also, SCE is looking to partner with the USFS to develop a plan for fuel management by goat grazing across several forests, where steep terrain and limited access make it challenging for traditional tree crews to navigate.
- The TGR pilot is testing the viability of TGR technology in which trees are treated with a growth slowing compound that inhibits cell elongation. The compound is injected into the soil at the base of a tree, and is gradually absorbed by the tree, resulting in slower outward growth rates for several years. Slower growth rates have the potential to extend trim cycles and/or reduce the frequency of visits.
- Finally, the ROW Low Growth program seeks to employ the use of pre-emergent and post-emergent herbicide on certain parcels where feasible to eliminate all vegetation within Transmission ROWs and fee owned parcels. If successful, these treatments would reduce the need for brushing crews to manually clear the vegetation, thereby saving time, cost, and reducing safety risks.

Governing standards and electrical corporation standard operating procedures *– Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

SCE's standard operating procedures for IVM are documented in UVM-05, "Utility Vegetation Management Integrated Vegetation Management Plan (IVMP)" & UVM-08 "Utility Vegetation Management Managing Vegetation Threats."

Updates to initiative *- Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation.*

In 2023, SCE will continue the development and implementation of IVM practices described above with the goal of evaluating environmentally sound and cost-effective means to promote desirable, stable, low-growing vegetation that is resistant to undesirable tree species. The use of these methods may

provide long-term cost efficiencies and reduce the risk of outages and fires while improving wildlife habitat. SCE intends to consult with agencies before expanding or rolling out the various pilot programs as a broader strategy.

Emergency Response Vegetation Management

In this subsection, the electrical corporation must provide an overview of the following emergency response vegetation management activities:

- *Activities based on weather conditions:*
    - *Planning and execution of vegetation management activities, such as trimming or removal, executed based on and in advance of a Red Flag Warning or other weather condition forecast that indicates an elevated fire threat in terms of ignition probability and wildfire potential.*
- *Post-fire service restoration:*
    - *Vegetation management activities during post-fire service restoration, including, but not limited to, activities or protocols that differentiate post-fire vegetation management from programs described in other WMP initiatives; supporting documentation for the tool and/or standard the electrical corporation uses to assess the risk presented by vegetation after a fire; and how the electrical corporation includes fire-specific damage attributes in its assessment tool/standard. The description of such activities must differentiate between those emergency actions initiated to restore power while active fire suppression is ongoing and actions that occur following active fire suppression during the post-fire suppression repair and rehabilitation phases of fire protection operations.*

8.2.3.8 Emergency Response Vegetation Management

Utility Initiative Tracking ID: 8.2.3.8.1

SCE conducts this activity within its inspection and line clearing programs and therefore, relates to VM-7 and VM-8.

Overview of initiative *– Brief description of the initiative including the objective and the risk targeted by the initiative*

As part of mitigating increased wildfire risk, SCE performs incremental vegetation inspections and remediations in certain locations within its HFRA during the fire season based on weather conditions and other factors. This initiative is distinct from emergent work that may arise leading to P1 and/or P2 work orders, as described in more detail in Section 8.2.6.

For this activity, SCE targets locations that experience increased wildfire risk conditions, such as elevated dry fuel levels, known as Areas of Concern (AOC). These AOCs are identified by a combination of factors

such as age of the fuels, current and forecasted state of fuel moisture, and the area's subjectivity to fire during periods of high wind, high temperatures and low humidity. The AOCs are prioritized by risk ranking.

Weather conditions such as high wind or extended heat during periods of low fuel moisture have greater potential to generate significant fire events if an ignition occurs. In 2020, SCE's Fire Science team identified 17 AOCs in its HFRA, which are areas that pose increased fuel-driven and wind-driven fire risk primarily due to elevated dry fuel levels. This threat can be magnified during periods of high wind, high temperatures and low humidity, as forecasts predicted for Fall 2020 in Southern California. The methodology used to identify the AOCs was based on several factors, including fire history, weather conditions, fuel type, exposure to wind, and egress, among others. In 2021, SCE improved its AOC inspections by implementing both a Summer and a Fall AOC program. The Summer AOC effort identified 12 areas where there was risk of a fuel-driven fire, five of which were identified as significant risk and were the focus of additional inspections. The 2021 Fall AOC effort was very similar to the 2020 AOC exercise, and indeed many of the same areas were identified (11 areas). The identified AOCs will continue to be a part of SCE's wildfire strategy with similar areas consistently targeted for inspection unless a significant event or weather condition adjusts the makeup of the AOCs.

Additionally, SCE modifies its Vegetation Management activities during red flag warning (RFW) periods to help mitigate potential risks. For example, SCE will pause non-emergency work in HFRA (e.g., use of chainsaws) that has the potential to cause sparks, and instead work in non-HFRA areas. For any PSPS events during high fire risk days, Vegetation Management crews are on standby to mitigate any vegetation-related ignition risks identified during PSPS pre- or post-patrols.

Governing standards and electrical corporation standard operating procedures *– Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

SCE's standard operating procedures related to this initiative are documented in "Vegetation Management Operations Incident Management Team (IMT) Storm Manual."

Updates to initiative *- Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation*

Currently, there are no changes to this initiative since the last WMP submission.

8.2.3.8.1 Emergency Response Vegetation Management Post-Fire

Utility Initiative Tracking ID: 8.2.3.8.1.1

SCE performs post-fire Vegetation Management activities as a response to fires that occur unexpectedly and not as a planned fire mitigation initiative with forecasted scope.

Overview of initiative *– Brief description of the initiative including the objective and the risk targeted by the initiative*

SCE conducts post-fire remediation efforts to remove trees that have become hazards due to fire damage and address resulting debris. Trees can become hazards as a result of recent fire damage and be at risk of falling into SCE facilities and infrastructure.

For example, in response to 2020's Creek Fire events, SCE identified trees that had become hazards and conducted requisite removals. Similarly, in 2021, SCE responded to the French fire, and performed mitigation work to identify hazard trees and remove them.

Governing standards and electrical corporation standard operating procedures *– Reference to the appropriate code and electrical corporation program/process. If any standard exceeds regulatory requirements, this must include reference to the basis document for the electrical corporation-specific values.*

In 2021, SCE began developing internal standard practices for post-fire remediation work. This involved integrating SCE's Vegetation Management documentation processes with those of SCE's Incident Management Team (IMT) related to restoration work. This allows for an integrated approach to post-fire Vegetation Management work as part of SCE's overall restoration efforts. Because this Vegetation Management work is critical to helping ensure the safety and reliability of the electric system, and the health and safety of our workers and our customers, and because it is often necessary to clear vegetation from roads, ROWs, and properties prior to other restoration work beginning, SCE works expeditiously to remediate identified Vegetation Management issues post-fire. Delaying restoration efforts until routine work is scheduled is not practical and could result in increased risks of tree failure.

SCE relies on the professional judgment of its ISA certified arborist employees and qualified contractor inspectors to determine whether a tree has the potential to live and/or presents a high enough risk to utility infrastructure to warrant trimming or removal. This is especially important in environmentally sensitive areas, such as waterways and areas where protected wildlife live.

Updates to initiative *- Changes to the initiative since the last WMP submission and a brief explanation as the why those change were made. Discuss any planned improvements or updates to the initiative and timeline for implementation.*

There have been no updates to this initiative since the last WMP filing.

8.2.4 Vegetation Management Enterprise System (Arbora)

In this section, the electrical corporation must provide an overview of inputs to, operation of, and support for a centralized vegetation management enterprise system updated based upon inspection results and management activities such as trimming and removal of vegetation. This overview must include discussion of:

- *The electrical corporation's vegetation inventory and condition database(s).*

Throughout 2023, SCE will transition from legacy work management systems to the Arbora system. Multiple databases will be utilized for work execution during this transition period. As a mitigation effort, SCE plans to leverage a data warehouse to house these databases for consolidated work tracking and reporting. In 2024 and beyond, all VM programs are eventually planned for integration with Arbora.

Transitioning all VM programs to Arbora will help optimize day-to-day operations and improve data accuracy.

The legacy database used for Routine Vegetation Management was based on Esri native/off-the-shelf tools, mostly referred to as Survey123, which is a cloud-based application that houses SCE's tree related inventory and related inspections. These tools were deployed to field users in 2019 to replace the paper-based inspection form previously used to collect tree-related information.

Since 2018, HTMP and the Dead and Dying Tree Program have maintained inspection and mitigation inventory in Fulcrum, another cloud-based application. Field personnel use the Fulcrum application to enter tree risk assessment data captured from ISA Arborists' Level 2 assessments and execute the resulting mitigations. This data includes tree characteristics and location information.

Arbora, a Salesforce-based platform, is being developed to integrate programs from Survey123 and Fulcrum into a single work management system. SCE began integrating HTMP and the Dead and Dying Tree Program inventory data into Arbora in 2022 and will incorporate Routine VM inspection data in 2023. Field personnel will leverage mobile applications for mapping and data collection.

These tools are all adapted to either iOS (Apple-based iPad) or Android (Google-based tablets) platforms for easy field use. SCE provides iPads to inspection personnel as the preferred data collection tool. Use of electronic devices eliminates time-consuming and manual data entry and scanning of the paper-based forms.

- *Describe the electrical corporation's internal documentation of its database(s) - IT*

All current solutions are cloud-based platforms (Esri, Amazon Web Services, Salesforce). SCE maintains an in-house database as the system of record, and system support comprises both in-house and contract services. Our future planned work management system, Arbora, a Salesforce software-as-a-service, includes Salesforce's standards for backup and recovery processes.

The Arbora application solution design, including the data model, data schema, and all other database design aspects, are documented in the Solution Architecture Document for the application.

Functionally, SCE provides user job aids and training materials for users on how to enter data into field forms.

- *Integration with systems in other lines of business.*

The primary systems that Arbora integrates with are SAP and cGIS (consolidated geographic information system). All integrations are documented in the Solution Architecture Document for the Arbora application.

SCE is currently integrating Arbora with other systems, primarily for purposes related to Vegetation Management reporting. SCE is integrating Arbora with Snowflake, which SCE plans to use for operational reporting. Snowflake allows for a greater degree of reporting for Arbora along with legacy data from previous work management systems. Daily database archiving of Arbora data will be stored in Snowflake. With vastly different databases and system architectures, migrating historic data from

system to system is not practical. This streamlined reporting via a single source of data provides an overarching business advantage in reporting current and historic data.

- *Integration with the auditing system(s) (see Section 8.2.5, "Quality Assurance and Quality Control").*

QA/QC is currently performed within Survey123 and Fulcrum applications and will be performed in Arbora once programs are fully transitioned. SCE will continue to work within these work management systems to perform all necessary QC functions.
Describe internal procedures for updating the enterprise system including database(s) and any planned updates.

SCE is utilizing Salesforce as well as two Salesforce partner products, Youreka (for mobile forms) and Lemur (for mobile maps), as the core technology components of Arbora. The vendors for these products are responsible for updating their respective systems, including internal databases, on a regular basis (typically 3-4 times a year). When these updates are available, SCE loads this new code into the test environment and validate the functionality end-to-end with regression and user acceptance testing to help ensure everything works as expected in the production environment. Any bugs found are communicated back to the vendor to be fixed and retested. Once the testing is completed and passed, SCE migrates the new functionality to the production environment. For any custom developed functionality for the solution, SCE uses an agile development process with a standard monthly release schedule. This process also includes quality assurance testing, regression testing, and user acceptance testing before new functionality is moved into the production environment.

Any changes to the initiative since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation.

SCE implemented Arbora for HTMP and the Dead and Dying Tree program in June 2022 and for Routine Line Clearing in December 2022. As with other large system implementations, SCE will continue to monitor performance, and as applicable, run legacy systems in parallel. A data cutover comprising remaining open work from legacy systems is expected to occur in 2023. Existing work created in those systems will be "worked down" while Arbora ramps up with new work generation. Emergent li ne clearing work that is not part of routine maintenance cycles will be enabled by year-end 2023. SCE plans to enable Arbora for additional VM maintenance programs in 2024.

8.2.5 Quality Assurance and Quality Control

In this section, the electrical corporation must provide an outline of its quality assurance and quality control (QA/QC) activities for vegetation management. This overview must include:

- Reference to procedures documenting QA/QC activities.

VM QA/QC activities are addressed in procedure UVM-07, "Post Work Verification and UVM Program Oversight."[213]

[213] This procedure is included as a supporting document at https://www.sce.com/safety/wild-fire-mitigation.

- *How the sample sizes are determined and how the electrical corporation ensures the samples are representative.*

For Distribution line clearing, VM QC sampling is performed on a circuit mile basis. SCE uses a combination of risk-based (through its TRI risk model) and judgmental sampling[214] for this activity and applies varying Confidence Levels (CL) and Confidence Intervals (CI). First, sampling is performed using

SCE's TRI risk model which identifies four specific risk categories: A, B, C and D, with A being the highest risk tranche. The table below identifies the four risk categories and planned circuit miles to be inspected. 100% of Category A High Fire Risk miles will inspected, when practical, and miles within Category B, C & D will be inspected using a Confidence Level / Confidence Interval of 99/3%.

Table SCE 8-11 – Distribution Circuit Mile Inspections

Distribution HFRA & State Responsibility Area (SRA)				
TRI Category	HFRA & SRA	Total Miles	CL/CI %	Miles Inspected
A	4718	4718	100%	4718
B	2332	5788	99/3	1402
C	1887			
D	1569			
Total	10506		N/A	6120

With these risk-informed sampling volumes established, SCE then performs judgmental sampling to determine which miles to inspect. Judgmental sampling is performed in lieu of random sampling because VM QC is required to verify that work performed by all VM inspection and trimming contractors meets SCE and regulatory compliance requirements. This allows for an appropriate balance of QC inspections across the contractors that perform work.

For Transmission line clearing activities, sampling is performed on a circuit mile basis. Sampling for Transmission miles is performed using judgmental sampling and a CL/CI of 99/5%. Section 4.4 in UVM-07 provides the sampling strategy in more detail.

For VM's Hazard Tree and Dead and Dying Tree programs, 100% QC is performed to verify the remediation was performed. Additionally, for SCE's Hazard Tree program, independent QC tree assessments are performed to provide assurance the assessments performed by the Hazard Tree assessments are accurate. QC typically samples assessments that had a risk score of between 35 to 49 (the typical threshold where mitigation was not required) providing added assurance the trees requiring mitigation were not missed. QC sampling for the independent risk assessments is performed using a CL/CI of 99/2%.

Additionally, for Structure Brushing, in 2023 QC inspectors will focus structure brushing QC on Distribution structures subject to Public Resource Code 4292. The intent of the QC will be to confirm: (1)

[214] Judgmental sampling is a type of non-random sample that is selected based on the opinion of an expert. Results obtained from a judgment sample are subject to some degree of bias, due to the frame and population not being identical.

Structures brushed have met the requirements of PRC 4292, and: (2) reasonable assurance that structures are maintaining clearance requirements during the declared fire season. QC will target to inspect PRC 4292 Distribution Structures using a CL/CI of 99/2%, approximately 330 structures monthly.

- *Who performs QA/QC (internal or external, is there a dedicated team, etc.).*

QC is performed by a dedicated external contractor for all of SCE's VM programs, including Routine Line Clearing, Hazard Tree, Dead and Dying Trees, and Structure Brushing. However, selection and assignment of the QC work is performed by SCE internal compliance personnel. QC work is typically assigned 60 days after work completion.

- *Qualifications of the auditors.*

SCE interprets "auditors" to be the resources that perform QC, the function described in this section. QC personnel for HTMP, Dead and Dying Tree Removal, Routine Line Clearing for both Transmission and Distribution, and Structure Brushing are ISA Certified Arborists with utility vegetation management experience. QC inspectors that are not ISA certified but have utility vegetation experience may also be used but are required to obtain ISA certification within twelve-months of being hired.

- *Documentation of findings and how the lessons learned from those findings are incorporated into trainings and/or procedures.*

QC findings are tabulated using a dashboard system that identifies conformance rate and specific locations where work is performed and by the specific contractor. Monthly reports are generated documenting the results of the QC inspections in addition to monthly performance review meetings where performance in general is discussed. Contractors not meeting internal quality requirements (Acceptable Quality Level) may be placed on a corrective action plan if repeat performance issues are identified. The QC inspection, review and reporting process provides a continuous learning environment.

- *Any changes to the procedures since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation.*

SCE is reviewing the current oversight strategy for post-work verification performed by SCE senior specialists and will be increasing the volume and type of inspections performed for Routine Line Clearing. The changes will include additional oversight of Pre-inspection and Trimming activities and will be implemented in Q2 2023.

- *Tabular information:*
    - *Sample sizes*
    - *Type of QA/QC performed (e.g., desktop or field)*
    - *Resulting pass rates, starting in 2022*
    - *Yearly target pass rate for the 2023-2025 Base WMP cycle Table 8-18 provides an example of the appropriate level of detail.*

Table 8-18 - Vegetation Management QA/QC Program

Activity Being Audited	Sample Size	Type of Audit	Audit Results 2022	Yearly Target Pass Rate for 2023-2025
Distribution Vegetation Management Plan	SCE's Tree Risk Index (TRI) risk model is applied to sampling for Distribution circuits and was developed using outputs from SCE's Wildfire Risk Reduction Model (WRRM), historic Tree Caused Circuit Interruption (TCCI) data and other VM inventory data. The TRI risk model identifies four risk categories A, B, C & D, with category A being the highest risk. Sampling is performed using the following Confidence Level (CL)/Confidence Interval (CI) levels. UVM-07, Section 4.4 provides the sampling strategy in more detail.	Field	RCD:[210] 99.56% CCD:[210] 97.80%	RCD Target Pass Rate is 100% CCD Target Pass Rate is 95%
Transmission Vegetation Management Plan	Sampling for Transmission miles is performed using a CL/CI of 99/5%. UVM-07, Section 4.4 provides the sampling strategy in more detail.	Field	RCD: 99.74% CCD: 99.28%	RCD Target Pass Rate is 100% CCD Target Pass Rate is 95%

Activity Being Audited	Sample Size	Type of Audit	Audit Results 2022	Yearly Target Pass Rate for 2023-2025
Dead & Dying Tree Removal	100% verification of remediation	Field	>99.5%	100% remediation
HTMP	100% verification of remediation	Field	>99.5%	100% remediation

8.2.6 Open Work Orders

In this section, the electrical corporation must provide an overview of the procedures it uses to manage its open work orders resulting from vegetation management inspections that prescribe vegetation management activities. This overview must include a brief narrative that provides:

- *Reference to procedures documenting the work order process.*

Work order-related procedures are included in the standard operating procedures for each program and the overall vegetation management program.

- UVM Program Governance, reflected in UVM-01, "Utility Vegetation Management Program Manual."
- Transmission Vegetation Management Plan (TVMP), reflected in UVM-02, "Utility Vegetation Management Transmission Vegetation Management Plan (TVMP)" and UVM-08 "Utility Vegetation Management Managing Vegetation Threats".
- Distribution Vegetation Management Plan (DVMP), reflected in UVM-03, "Utility Vegetation Management Distribution Vegetation Management Plan (DVMP)" and UVM-08 "Utility Vegetation Management Managing Vegetation Threats".
- Integrated Vegetation Management Plan (IVMP), reflected in UVM-05, "Utility Vegetation Management Integrated Vegetation Management Plan (IVMP)" & UVM-08 "Utility Vegetation Management Managing Vegetation Threats".
- Hazard Tree Management Plan (HTMP), reflected in UVM-04, "Utility Vegetation Management Hazard Tree Management Plan (HTMP)". & UVM-08 "Utility Vegetation Management Managing Vegetation Threats".
- *A description of how work orders are prioritized based on risk.*

SCE prioritizes and endeavors to complete work orders within certain time frames based on the risk

posed by observed conditions. First, SCE categorizes vegetation work orders between Priority 1 (P1) and Priority 2 (P2).

The conditions below are situations that most likely would trigger a P1 work order:

- Any observed tree, or parts thereof, that is expected to imminently fail and contact electric facilities
- Any observed vegetation condition where it appears that contact has occurred with primary electric facilities
- Any observed vegetation condition where it appears that strain or abrasion has occurred with secondary bare open wire
- Specific to HTMP and Dead and Dying Tree Removal, any observed tree, where failure of the tree and contact with the conductors is highly probable to occur in a high-wind events
- Any observed tree, or parts thereof, where vegetation contact or arcing with bare-wire conductors is highly probable to occur in a high-wind or modeled maximum load event due to vegetation proximity to power lines

The conditions below are situations that most likely would trigger a P2 work order:

- Any observed tree, or parts thereof, that is not a P1 condition and is currently stable but the likelihood of failure and/or contact with primary electric facilities is plausible but not imminent
- Any observed vegetation condition, that is not a P1 condition and is currently stable but where it appears that vegetation may cause a failure of electric facilities (i.e., a condition that changes pole loading conditions such as excessive strain on a down guy or communication wires)
- Any observed tree, or parts thereof, that is not a P1 condition but is within the Trigger Clearance Distance (TCD), Compliance Clearance Distance (CCD), or Regulatory Clearance Distance (RCD)215 (including strain or abrasion at the secondary level that is not a P1 condition)
- Any Vegetation with an HTMP Risk score resulting in a P2 mitigation (typically a risk score 50–100 using the Tree Risk Calculator)

SCE then endeavors to remediate according to the following time frames:

For P1 Work Orders

- SCE endeavors to remediate P1s where there is vegetation contact or evidence of contact (e.g., scarring or burn marks) within 24 hours.
- SCE endeavors to remediate P1s in HFRA only, where vegetation is within approximately 18

[215] See UVM-03 Distribution Vegetation Management Plan (DVMP) in Supporting Docs. RCD means Regulatory Clearance Distance, and is the minimum clearance required by regulation. CCD means Compliance Clearance Distance and is SCE's minimum clearance standard which is 1.5 times the RCD. TCD means Trigger Clearance Distance. TCD is derived from CCD plus 3 feet and is the distance that triggers the maintenance activity. GRCD is the Grid Resiliency Clearance Distance, which aligns with the GO95 Rule 35, Appendix E recommended clearance.

inches of energized equipment and thus an imminent threat, but there is no evidence of actual contact (e.g., scarring or scorch marks) within 72 hours.

For P2 Work Orders

- SCE endeavors to remediate P2s when vegetation is closer than the regulatory required distance (e.g., four feet) but beyond 18 inches within 30 days.
- For all other P2s related to Routine Line Clearing, SCE endeavors to remediate them within 90 days, unless there is a limited timeframe triggered by permitting requirements or customer requests. Currently SCE addresses these based on a first-in/first-out methodology, but starting in 2023 SCE anticipates utilizing a new risk calculation accounting for factors such as species growth rate, days elapsed since identification of work, TRI identification, and the clearance distance at time of inspection. These combined factors will provide a better depiction of overdue work risk based on the data collected in the field.
- For P2s related to HTMP and the Dead and Dying Tree Removal Program, SCE endeavors to address them within 180 days. Currently SCE addresses these based on a first-in/first-out methodology, but starting in 2023 SCE anticipates utilizing Tree Risk Calculator scores to help prioritize P2 work orders based on the various conditions that the score incorporates, such as root defects, cracks, rot, pest infestations, lean, height, and fire impact.

- A description of the plan for eliminating work order backlogs (i.e., open work orders that have passed remediation deadlines), if applicable.

SCE is working diligently to address work order backlogs. These backlogs can form for several reasons, including environmental regulatory requirements and permitting, contractor performance, and other factors. In Section 5.4.5, SCE outlines the steps it is taking to address environmental related backlogs. Further, SCE has implemented process improvements for monitoring contractor progress against plan, and grouping and prioritizing work. Additionally, SCE's continued progress on developing a single work order system will improve efficiency for contractor assignment and data input. Finally, SCE has implemented more robust reporting to improve the monitoring of work order completion progress.

To mitigate the risk of an overdue vegetation work order becoming a fire risk, SCE monitors overdue work orders related to Routine Line Clearing that involve vegetation breaching the required compliance distance from SCE's lines by revisiting them every 30 days to help ensure they do not become imminent threats.

- *A discussion of trends with respect to open work orders.*

SCE's open work order history shows a reduction of 22% when comparing the average of total open work orders at year-end for 2019 through 2021 to the year-end count of open work orders in 2022. Additionally, in the last four years, SCE has maintained a 55-day average turnaround time for all

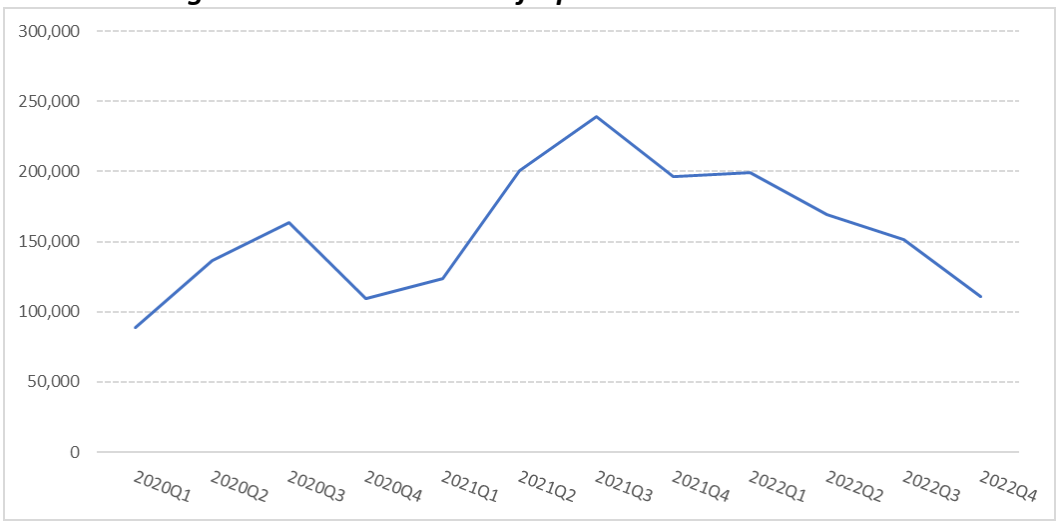
generated work not impacted by environmental constraints. For environmentally constrained work, SCE's work orders have been completed in an average turnaround time of 110 days. The longer duration is generally a result of the high level of coordination required with various entities and stakeholders. Additionally, it should be noted that the environmentally impacted tree inventory has increased from 13% in 2019 to 36% in 2022, a significant factor underlying SCE's open work order counts.

In addition, each electrical corporation must:

- *Graph open work orders over time as reported in the QDRs (Table 2, metrics 7.a and 7.b).*

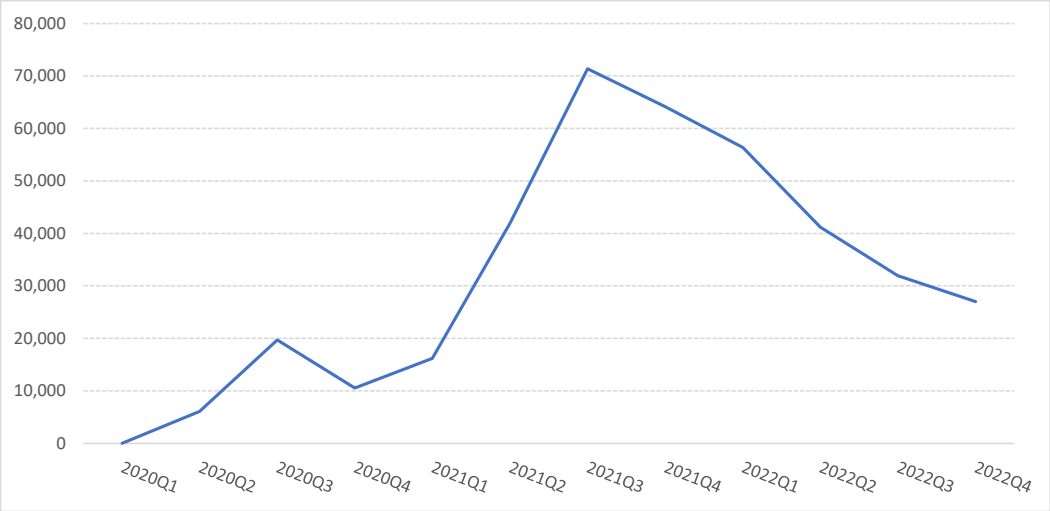
The figure below shows the count of open work orders for Vegetation Management for 2020 through 2022, as of each quarter-end, and as reflected in SCE's QDR Table 2 for metric 6a.

Figure SCE 8-44 - Volume of Open Work Orders



The figure below shows the count of past due work orders for Vegetation Management for 2020 through 2022, as of each quarter-end, and as reflected in SCE's QDR Table 2 for metric 6b. SCE defines "past due work orders" as those work orders that have exceeded internal targets of 30 days for work where the existing clearance is less than the Regulatory Clearance Distance (RCD) and for 90 days where the existing clearance is between the RCD and the Trigger Clearance Distance (TCD).

Figure SCE 8-45 - Volume of Past Due Work Orders



Note: In 2019, SCE began building its capabilities to capture data related to past due work orders. Due to the time lag required to render a work order "past due," first quarter of 2020 shows a low volume, with a steady increase throughout the year.

In 2021, SCE experienced a higher level of both open and past due work orders as a result of an increase in mitigation work requiring environmental review and the shifting of work resulting from safety stand-downs for two contractors.

- *Provide an aging report for work orders past due (Table 8-19 provides an example).*

Table 8-19: Number of Past Due Vegetation Management Work Orders Categorized by Age

Table 8-19 - Routine Line Clearing as of 12/31/2022 (1)

HTFD Area	0-30 Days	31-90 Days	91-180 Days	181+ Days	Total
Non-HFTD	4,592	2,582	1,962	2,113	**11,249**
HFTD Tier 2	2,049	1,512	1,661	6,522	**11,744**
HFTD Tier 3	2,107	7,545	1,988	6,284	**17,924**

Note: The majority of the past due open work orders comprise P2 work orders.

Hazard Tree (HTMP/DRI) as of 12/31/2022

HTFD Area	0-30 Days	31-90 Days	91-180 Days	181+ Days	Total
Non-HFTD	7	30	18	192	**247**
HFTD Tier 2	57	423	291	2,328	**3,099**
HFTD Tier 3	0	14	5	82	**101**

Note: The majority of the past due open work orders comprise P2 work orders.

8.2.7 Workforce Planning

In this section, the electrical corporation must provide a brief overview of its recruiting practices for vegetation management personnel. It must also provide its worker qualifications and training practices for workers in the following target roles:

- *Vegetation inspections*
- *Vegetation management projects*

For each of the target roles listed above, the electrical corporation must:

- *List all worker titles relevant to the target role.*
- *List and explain minimum qualifications for each worker title with an emphasis on qualifications relevant to vegetation management. Note if the job requirements include the following:*
    - *Special certification requirements, such as being an International Society of Arboriculture Certified Arborist with specialty certification as a Utility Specialist or a California-licensed Registered Professional Forester*
    - *Additional training on biological resources identification and protection (e.g., plant and animal species and habitats); and cultural prehistoric and historic resources identification and protection*
- *Report the percentage of electrical corporation and contractor full-time equivalents (FTEs) in target roles with specific job titles*
- *Report plans to improve qualifications of workers relevant to vegetation management. The electrical corporation must explain how it is developing more robust outreach an onboarding training programs for new electric workers to identify hazards that could ignite wildfires*

Table 8-20 provides an example of the required information.

SCE's vegetation management personnel are integral to the success of its operations. To that end, in addition to a pay structure emphasizing work experience and education, SCE utilizes employment-focused social media platforms and community outreach programs to recruit resources. See Section 8.2.2.1 Routine Line Clearing under "Accomplishments" in sub-section "Workforce Retention and Upskilling" for more details on SCE's alignment between compensation and qualifications.

In the table below, SCE summarizes the applicable information for each of the target roles identified. Full time employee (FTE) figures represent counts and percentages as of month-end November 2022 and include SCE and contractor field workers relevant to each target role. It is important to note that worker counts can fluctuate throughout the year depending on work required, resource availability, and other factors, particularly for contract workers. Below each table, SCE provides a more detailed description of the qualifications for each role, as well as discussion on training and plans to improve worker qualifications.

8.2.7.1 Target Role: Vegetation Inspections

SCE's Vegetation Management program performs several types of inspections to identify the risk of vegetation contact with energized conductors and electrical assets. Recruiting and training vegetation personnel is an ongoing activity. Staffing levels are continuously evaluated and adjusted based on identified needs and implementation of future programs. See Section 8.2.2 for detailed information on vegetation management inspections.

Vegetation Management Inspections include the following target role positions:

- Specialist
- Senior Specialist
- Inspector
- Lead Inspector
- Customer Coordinator
- General Foreman
- Quality Control Inspector

Table 8-20 details the worker titles and associated qualifications pertaining to Vegetation Inspections. For purposes of this table and target role, "Special Certification Requirements" includes International Society of Arboriculture (ISA) Arborist.[216]

[216] To earn a credential as an ISA Certified Arborist, an individual must be trained and knowledgeable in all aspects of arboriculture and adhere to the ISA's Code of Ethics. To be eligible, individuals must have one or both of the following: three or more years of full time, eligible, practical work experience in arboriculture; a degree in the field of arboriculture, horticulture, landscape architecture, or forestry from a regionally accredited educational institute

Table 8-20 - Vegetation Inspections Qualifications and Training

Worker Title	Minimum Qualifications for Target Role	Special Certification Requirements	Electrical Corporation % FTE Min Quals[217]	Electrical Corporation % Special Certifications[218]	Contractor % FTE Min Quals	Contractor % Special Certifications	Reference to Electrical Corporation Training/Qualification Programs
SPECIALIST	See below	N/A	26.3%	N/A	0.0%	N/A	See below
SENIOR SPECIALIST	See below	ISA Arborist[219]	73.7%	100%	4.0%	47%	See below
LEAD INSPECTOR	See below	ISA Arborist	0.0%	N/A	13.4%	62%	See below
PRE-INSPECTOR[220]	See below	N/A	0.0%	N/A	39.7%	20%	See below
CUSTOMER COORDINATOR[220]	See below	N/A	0.0%	N/A	20.4%	9%	See below
GENERAL FOREMAN	See below	ISA Arborist	0.0%	N/A	13.7%	12%	See below
QUALITY CONTROL INSPECTOR	See below	ISA Arborist	0.0%	N/A	8.8%	67%	See below
TOTAL			100.0%	N/A	100.0%	N/A	N/A

[217] "% of FTE Min Quals" column = # of SCE Workers in each Worker Title / Total # of SCE Workers in the Table. The same logic applies for Contractor.
[218] "% Special Certification" column = # of SCE workers in that Worker Title that have the special certification / total number of SCE workers in that Worker Title. The same logic applies for Contractor.
[219] ISA Certified Arborist is required for SCE-employed Senior Specialists. For contractor Senior Specialists who may perform some work duties on a temporary basis, ISA certification is encouraged, but not required.
[220] ISA Certified Arborist is not a requirement for Inspectors and Customer Coordinators, but they are encouraged to obtain certification when eligible.

All Vegetation Management field workers must meet certain minimum qualifications. In some cases, certain worker types are required to be ISA-certified. Specific qualifications for each position are detailed below.

Additional Minimum Qualifications:

SPECIALIST: Provides oversight and guidance to field contractors performing vegetation work. All of SCE's Specialists must have three or more years' experience in Utility Vegetation Management.

SENIOR SPECIALIST: Provides oversight and guidance to field contractors performing vegetation work. Senior Specialists have additional responsibilities such as being able to perform post-work verification (to help ensure that work is done to regulatory requirements and program standards), responding to trouble orders, and performing review of work performed on SCE's Bulk Transmission System. SCE employed Senior Specialists must be ISA Certified Arborists.[221]

PRE-INSPECTOR: Personnel performing pre-inspections without supervision responsibilities. Pre-Inspectors are qualified if they meet one of the following conditions at date of hire: Possess a 4-year degree in related field with ability to obtain ISA certification in 12 months; possess a 2-year degree in related field with one year experience and ability to obtain certification in 12 months; possess two years of industry experience with the ability to obtain ISA certification in 12 months.

LEAD PRE-INSPECTOR: Personnel responsible for supervising pre-inspections. Lead pre- Inspectors are qualified if they meet of the following conditions at date of hire: classified as a level 3 or higher on the T&E Labor Classifications described in the Pricing Workbook[222] and be an International Society of Arboriculture (ISA) Certified Arborist,[223] it is recommended that they also obtain the Tree Risk Assessment Qualification (TRAQ).

CUSTOMER COORDINATOR: Issues notifications regarding upcoming vegetation management work, fields customer constraints (e.g., refusals, issues with site access, etc.) related to vegetation management work, and works to obtain customer permissions, e.g., for recommended expanded clearances. To qualify, the individual must possess a minimum of two years of related utility vegetation management pruning, inspection, or planning experience.

GENERAL FOREMAN: Oversees crew operations by helping to ensure crew safety, scheduling work based on crew qualifications, resolving escalated customer constraints, and coordinating with the Senior Specialists in their district. At a minimum, SCE's contracts require one designated General Foreman per every eight crews. The General Foremen must be ISA Certified Arborists and/or must possess a minimum of three years of related utility vegetation management pruning, inspection, or planning experience.

QUALITY CONTROL (QC) INSPECTOR: QC Inspectors are independent of vegetation management

[221] To earn a credential as an ISA Certified Arborist, an individual must be trained and knowledgeable in all aspects of arboriculture and adhere to the ISA's Code of Ethics. To be eligible, individuals must have one or both of the following: Three or more years of full time, eligible, practical work experience in arboriculture; a degree in the field of arboriculture, horticulture, landscape architecture, or forestry from a regionally accredited educational institute
[222] For more information, please see Pricing Workbook in Supplemental Materials.
[223] In certain situations, pending Edison Representative approval, a contractor may recommend a non-ISA certified arborist to perform pre-inspection supervisory functions.

operations and perform inspections to verify that regulatory and program standards have been achieved. They must have either an ISA Arborist Certification or have a minimum of two years of experience performing utility vegetation inspections and have experience measuring vegetation to conductor clearance using precision measuring tools. Once the inspector is eligible for ISA certification, it is expected that the inspector will become certified within six months of eligibility.

Training and plans to improve worker qualifications:

SCE provides onboard and annual training– Utility Vegetation Management Core Plans Training – to all vegetation management employees and vegetation contractor lead personnel. This training provides detailed reviews of program requirements, practices, and procedures, and any updates or enhancements pertaining to SCE's vegetation management program. Typical training included in Core Plans Training reviews the following vegetation management process documents that guide work in this space: Transmission Vegetation Management Plan (TVMP); Distribution Vegetation Management Plan (DVMP); Hazard Tree Management Plan; Vegetation Threat Management; Customer Refusals; and QC and SCE's Oversight Strategy. As it pertains to wildfire mitigation practices, this training identifies and conveys differences in inspecting, and pruning practices (e.g., clearance distances) within SCE's HFRA vs. non-HFRA and identifies vegetation that pose a risk and/or hazard to electrical facilities.

Additionally, SCE provides Environmental Awareness Orientation annually or at time of personnel onboarding to all vegetation management employees and vegetation contractor personnel listed in Table 8-20 and Table 8-21. This Orientation includes review of biological, wetlands/waters, and cultural/historical resources avoidance and protection; environmental compliance and requirements; and environmentally sensitive areas.

In addition to Core Plans Training, all vegetation management personnel receive training to identify and understand the actions required when work is being performed in environmentally sensitive locations. For SCE's Bulk Transmission vegetation management inspections, SCE also provides technical training on how to use LiDAR-acquired data to determine vegetation encroachments into the minimum vegetation clearance distance.

To grow the pool of ISA-certified arborists, SCE plans to continue to hire Specialists who do not yet have an ISA-certification but who will, under the guidance of Senior Specialists, acquire the vegetation management-related experience necessary to meet the experience requirement for an ISA-certification.

8.2.7.2 Target Role: Vegetation Management Projects

SCE's vegetation management projects are programs focused on removing hazards, such as dead and dying trees and those that are in proximity and may pose a risk to electric facilities.

Recruiting and training vegetation personnel is an ongoing activity. Staffing levels are continuously evaluated and adjusted based on identified needs and implementation of future programs. Please see Sections 8.2.3.1.1 and 8.2.3.4 for detailed information on vegetation management projects.

The three vegetation management projects are: (1) Structure Brushing; (2) HTMP; (3) Dead and Dying Tree Removal Program, as described in Sections 8.2.3.1.1, 8.2.3.4.1 and 8.2.3.4.2, respectively.

Table SCE 8-12 below detail the worker titles and associated qualifications pertaining to Vegetation Projects.

Table SCE 8-12 - Vegetation Management Qualifications and Training

Worker Title	Minimum Qualifications for Target Role	Special Certification Requirements	Electrical Corporation % FTE Min Quals[35]	Electrical Corporation % Special Certifications[36]	Contractor % FTE Min Quals	Contractor % Special Certifications	Reference to Electrical Corporation Training/Qualification Programs
SPECIALIST	See below	N/A	26.3%	N/A	0.0%	N/A	See below
SENIOR SPECIALIST	See below	ISA Arborist[224]	73.7%	100%	8.6%	47%	See below
HTMP ASSESSOR	See below	ISA Arborist	0.0%	N/A	17.1%	100%	See below
DEAD AND DYING TREE ASSESSOR[225]	See below	N/A	0.0%	N/A	20.0%	9%	See below
QUALITY CONTROL HTMP ASSESSOR	See below	ISA Arborist	0.0%	N/A	4.0%	100%	See below
FOREMAN	See below	N/A	0.0%	N/A	5.7%	N/A	See below
HAZARDOUS TREE SPECIALIST	See below	N/A	0.0%	N/A	2.9%	N/A	See below
STRUCTURE BRUSHER	See below	N/A	0.0%	N/A	41.7%	N/A	See below
TOTAL			100.0%	N/A	100.0%	N/A	N/A

[224] ISA Certified Arborist is required for SCE-employed Senior Specialists. For contractor Senior Specialists who may perform some work duties on a temporary basis, ISA certification is encouraged, but not required.
[225] ISA Certified Arborist is not a requirement for Dead and Dying Tree Assessor, but they are encouraged to obtain certification when eligible.

Additional Minimum Qualifications:

SPECIALIST: Support Senior Specialists in their Routine Line Clearing, HTMP and Dead and Dying Tree Program work. Specialists are also not assigned to specific geographic Districts and are available to support where needed. See qualifications of Specialist in Section 8.2.8.1.

SENIOR SPECIALIST: Resolve customer constraints and help ensure that the Routine Line Clearing, HTMP and Dead and Dying Tree Program work is done. See qualifications of Senior Specialist in Section 8.2.8.1

HTMP ASSESSOR: Responsible for conducting risk assessments on trees located in the Utility Strike Zone (USZ). Assessors are qualified if, at date of hire, they possess an ISA Arborist Certification and a minimum of three years of related utility vegetation management inspection/planning experience.

DEAD AND DYING TREE ASSESSOR: Responsible for performing visual inspections to detect dead, dying and diseased trees in the field. Assessors are qualified if, at date of hire, they have the requisite experience as a vegetation management professional and have two years of previous utility vegetation management experience.

QUALITY CONTROL HTMP ASSESSOR: Independent of HTMP operations and perform two specific roles related to QC of HTMP: Perform an independent risk assessment to verify the accuracy of the risk assessment score achieved by the HTMP assessors; and verify all HTMP remediations have been performed. ISA Certification is only required for HTMP QC personnel who perform risk assessment using the TRC. All other QC work requires a minimum of two years of experience performing utility vegetation inspections.

FOREMAN: Oversees work performed by crews to help ensure proper tools and equipment are available and the work is performed safely; help ensures process adherence and conducts QC reviews. Must have knowledge of: Brush clearance requirements; herbicide restrictions; and environmental requirements. Skills and abilities required for this job are of a level comparable with those normally acquired through a high school education and extensive training and experience as a Structure Brusher.

HAZARDOUS TREE SPECIALIST: Conducts the felling of trees and identifies the hazards and obstacles before and after felling each tree. Provides direction to crews and helps allocate resources and equipment such that work is performed safely and efficiently, and without compromising surrounding trees and environment. The knowledge, skills, and abilities required for this job are of a level comparable with those normally acquired through a high school education, Supplemental by one year of experience as a timber faller with thorough knowledge of tree soundness and cutting techniques to directionally fall trees.

STRUCTURE BRUSHER: Responsible for conducting pole and sub-transmission tower brushing by eliminating weeds, grass, and other flammable materials to bare soil by mechanical methods from 10-foot radius at ground level to a height of 8 feet. Skills and abilities required for this job are of a level comparable with those normally acquired through a high school education and annual environmental training.

Training summary and plans to improve worker qualifications:

Training for HTMP, the Dead and Dying Tree Removal Program, and Structure Brushing includes: Training of specific work processes; refusal management; vegetation threat management; QC requirements; Tree Risk Calculator training for those involved in HTMP; and environmental-specific training.

Through the substantive minimum qualifications established for the various roles within Vegetation Projects, SCE has established the foundation of a strong skilled workforce. SCE will continue requiring the qualifications discussed above and encourage continued advancement of SCE and Contract workers. For example, once an assessor is eligible for ISA certification, it is expected that he or she will become certified within twelve months of eligibility.

As part of continuing education and improvement of the vegetation management program, SCE updates its training programs based on lessons learned. SCE also provides refresher training and relevant communications to workers on updated guidelines, as there are typically changes in protocols that occur each year.

8.2.8 Maturity Advancement

SCE continually seeks alignment with government and industry organizations and continues to look for opportunities to improve vegetation management maturity over time.

The activities discussed in this section could lead to Vegetation Management and Inspections maturity advancements. Below is a summary of broader anticipated maturity improvements over the WMP period that supplement the objectives outlined at the beginning of the Section.

Table SCE 8-13 – Vegetation Management Maturity Improvements

Capability Name	Projected Maturity Improvements
Vegetation Inventory and Condition Database	Improvements include utilization of remote sensing information that will help validate database information.
Vegetation Inspections	Improvements include new considerations taken for inspection frequency (i.e., tree health) and using remote sensing information to support increased inspection frequency and QA/QC assessment of inspection program conducted on a quarterly basis.

8.3 Situational Awareness and Forecasting

8.3.1 Overview

In this section, the electrical corporation must identify objectives for the next 3- and 10-year periods, targets, and performance metrics related to the following situational awareness and forecasting programmatic areas:

- *Environmental monitoring systems*
- *Grid monitoring systems*
- *Ignition detection systems*
- *Weather forecasting*
- *Ignition likelihood calculation*
- *Ignition consequence calculation*[226]

8.3.1.1 Objectives

Each electrical corporation must summarize the objectives for its 3-year and 10-year plans for implementing and improving its situational awareness and forecasting.[227] *These summaries must include the following:*

- *Identification of which initiative(s) in the WMP the electrical corporation is implementing to achieve the stated objective, including Utility Initiative Tracking IDs*
- *Reference(s) to applicable codes, standards, and best practices/guidelines and an indication of whether the electrical corporation exceeds an applicable code, standard, or regulation*
- *Method of verifying achievement of each objective*
- *A completion date for when the electrical corporation will achieve the objective*
- *Reference(s) to the WMP section(s) or appendix, including page numbers, where the details of the objective(s) are documented and substantiated*

This information must be provided in Table 8-21 for the 3-year plan and Table 8-22 for the 10- year plan. Examples of the minimum acceptable level of information are provided in Tables below.

[226] The final 2023-2025 Wildfire Mitigation Plan Technical Guidelines, issued on December 6, 2022, removes Ignition likelihood calculation and Ignition consequence calculation and replaced it with Fire Potential Index.
[227] *Annual information included in this section must align with the QDR data.*

Table 8-21 - Situational Awareness Initiative Objectives (3-year plan)

Objectives for Three Years (2023–2025)	Applicable Initiative(s), Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
Increased data collection (through additional weather station deployment, explore increased collection intervals, and additional SCE HD camera deployment) to expand situational awareness of real-time conditions and refine weather models	Weather Stations, SA-1, HD Cameras, SA-10 Satellite & Other Imaging Technology, SA-10	SA-1 Requested by OEIS to increase weather station data collection periods (more than 6 reads per hour)[228] SA-10: N/A	SA-1: GIS data, increase frequency of reads SA-10: Additional GIS data, data camera feed on vendor network.	SA-1: End of 2025 SA-10: End of 2024	Section 8.3.2.1.1 Weather Stations (SA-1), pp. 454-459 Section 8.3.4.1.1 (HD Cameras SA-10), pp. 492-497 Section 8.3.4.1.2 (Satellite& Other Imaging Technology SA-10), pp. 494-498
Expand data analysis supporting wildfire mitigation efforts, advance fire potential forecasting further, and improve modeling efforts as it relates to fire science	Fire Science, SA-8	N/A	Additional data sets, analysis results, operational products	Ongoing	Section 8.3.2.1 Existing Systems, Technologies and Procedures pp. 453-464; Section 8.3.4 Ignition Det. Sys. pp. 490-501
Increase ability to detect issues (e.g., damage and degradation) on the electric grid prior to risk events occurring	Early Fault Detection (D&T), SA-11	• GO 95 • GO 165	Number of EFD devices deployed	Ongoing	Section 8.3.3.1.1, Radio Frequency Monitors: Early Fault Detection (EFD) (SA-11), p. 469
Review emerging technologies to improve weather situational awareness and forecasting capabilities for potential evaluation or adoption	Weather & Fuels Modeling, SA-3	N/A	Technical report from academic or vendor work, and/or new product outputs.	Ongoing	Section 8.3.5, Weather Forecasting, pp. 499-515
Continue to increase situational awareness and improve the accuracy of weather forecasting to help optimize the scope of PSPS events	Weather Stations, SA-1, Weather & Fuels Modeling, SA-3, Fire Science, SA-8, HD Cameras, SA-10	Best practices	SA-1: Continue installing new weather stations, commitment of 85. Upgrade more stations for dual comms for real-time reads capabilities. SA-3 and SA-8: Weather and fuel forecast output from operational systems and associated verification and/or technical reports. SA-10: Continued installs of HD Cameras, goal of 10, max of 20.	Ongoing; annual scope	Section 8.3.2.1.1 Weather Stations (SA-1), pp. 454-458 Section 8.3.5, Weather Forecasting, pp. 499-514 Section 8.3.2.1 Existing Systems, Technologies and Procedures pp. 453-462; Section 8.3.4 Ignition Det. Sys. pp. 490-497 Section 8.3.4.1.1 (HD Cameras SA-10), p. 492-497

[228] Decision on SCE's 2022 Wildfire Mitigation Plan Update, p. 45.

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

Table 8-22 - Situational Awareness Initiative Objectives (10-year plan)

Objectives for Ten Years (2026–2032)	Applicable Initiative(s), Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
Incorporate climate modeling (e.g., impacts of climate change) into medium- and long-term weather and fire potential forecasts	SA-3 SA-8	N/A	Provide commentary on trends in weather, fuels, and fire potential. Develop new products.	2028	Section 8.3.5, Weather Forecasting, pp. 499-514 Section 8.3.2.1.2 Existing Systems, Technologies and Procedures pp. 457-462; Section 8.3.4 Ignition Det. Sys. pp. 490-501
Continue to incorporate technologies and pilots into grid monitoring	Early Fault Detection (D&T), SA-11	• GO 95 • GO 165	Grid monitoring procedure updates.	End of 2032	Section 8.3.3.1.1, Radio Frequency Monitors: Early Fault Detection (EFD) (SA-11), p. 469

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

8.3.1.2 Targets

Initiative targets are forward-looking quantifiable measurements of activities identified by each electrical corporation in its WMP. Electrical corporations will show progress toward completing targets in subsequent reports, including QDRs and WMP Updates.

The electrical corporation must list all targets it will use to track progress on its situational awareness and forecasting for the three years of the Base WMP. Energy Safety's Compliance Assurance Division and third parties must be able to track and audit each target.[229] *For each initiative target, the electrical corporation must provide the following:*

- *Utility Initiative Tracking IDs.*
- *Projected targets for each of the three years of the Base WMP and relevant units.*
- *The expected "x% risk impact" For each of the three years of the Base WMP. The expected x% risk impact is the expected percentage risk reduction per year, as described in Section 7.2.2.2*
- *Method of verifying target completion.*

The electrical corporation's targets must provide enough detail to effectively inform efforts to improve the performance (i.e., reduction in ignition probability or wildfire consequence) of the electrical corporation's situational awareness and forecasting initiatives.

Table 8-23 provides an example of the minimum acceptable level of information.

In Table 8-23 below, SCE provides the expected risk impact for each initiative at the scoping unit level and at the HFRA-level. The risk impact percentages are in MARS. SCE includes additional columns in the table below showing the percentage of an initiative's scope that is in Severe Risk Area (SRA) and High Consequence Areas (HCA).

[229] Annual information included in this section must align with Table 1 of the QDR.

Table 8-23 - Situational Awareness Initiative Targets by Year

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023 (Scoped / HFRA)	2024 Target & Unit	x% Risk Impact 2024 (Scoped / HFRA)	2025 Target & Unit	x% Risk Impact 2025 (Scoped / HFRA)	Method of Verification
Weather Stations	SA-1	Install **85** weather stations in SCE's HFRA SCE will strive to install up to **95** weather stations in SCE's HFRA, subject to resource and execution constraints	32%/.01% *(PSPS risk only)*	Install **50** weather stations in SCE's HFRA SCE will strive to install up to **55** weather stations in SCE's HFRA, subject to resource and execution constraints	32%/.001% *(PSPS risk only)*	Install **15** weather stations in SCE's HFRA SCE will strive to install up to **20** weather stations in SCE's HFRA, subject to resource and execution constraints	32%/.0001% *(PSPS risk only)*	List and location of installed weather stations
Weather and Fuels Modeling	SA-3	Equip **500** weather station locations with machine learning capabilities SCE will strive to equip up to **600** weather station locations with machine learning capabilities, subject to resource and execution constraints	3%/.03% *(PSPS risk only)*	Equip **200** weather station locations with machine learning capabilities SCE will strive to equip up to **300** weather station locations with machine learning capabilities, subject to resource and execution constraints	3%/.03% *(PSPS risk only)*	Implement machine learning at remaining weather station locations that meet eligible criteria, and for additional variables deemed necessary to improve PSPS planning	3%/.03% *(PSPS risk only)*	List and location of weather stations equipped with machine learning capabilities
Fire Spread Modeling	SA-8	Complete analytics report summarizing assessment of historical consequence data for improved fire spread modeling	2%/.02%	Provide vendor with analytics report and work with the vendor to complete a plan on future improvements	2%/.02%	Provide recommendation for how consequence metrics can be used for PSPS Decision-Making	2%/.02%	Final analytics report
High Definition (HD) Cameras	SA-10	Install **10** HD Cameras SCE will **strive** to install up to **20** HD Cameras, subject to resource and execution constraints	4.6%/.01%	Install **10** HD Cameras SCE will **strive** to install up to **20** HD Cameras, subject to resource and execution constraints	4.60/.01%	No planned installs. Additional installs will be based on reassessment in 2024	N/A	List and location of installed HD cameras
Early Fault Detection	SA-11	Install Early Fault Detection (EFD) at **50** locations SCE will strive to install EFD at up to	6%/.16%	Install Early Fault Detection (EFD) at **50** locations SCE will strive to install EFD at up to **100**	6%/.08%	Install Early Fault Detection (EFD) at **200** locations SCE will strive to install EFD at up	5%/.44%	List of completed Work Orders

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023 (Scoped / HFRA)	2024 Target & Unit	x% Risk Impact 2024 (Scoped / HFRA)	2025 Target & Unit	x% Risk Impact 2025 (Scoped / HFRA)	Method of Verification
		100 locations, subject to resource constraints and other execution risks		locations, subject to resource constraints and other execution risks		to **300** locations, subject to resource constraints and other execution risks		

8.3.1.3 Performance Metrics Identified by the Electrical Corporation

Performance metrics indicate the extent to which an electrical corporation's Wildfire Mitigation Plan is driving performance outcomes. Each electrical corporation must:

- *List the performance metrics the electrical corporation uses to evaluate the effectiveness of its situational awareness and forecasting in reducing wildfire and PSPS risk*[230]

For each of these performance metrics listed, the electrical corporation must:

- *Report the electrical corporation's performance since 2020 (if previously collected)*
- *Projected performance for 2023-2025*
- *List method of verification*

The electrical corporation must ensure that each metric's name and values are the same in its WMP reporting as its QDR reporting (specifically, QDR Table 2 and QDR Table 3). Metrics listed in this section that are the same as performance metrics required by Energy Safety and reported in QDR Table 2 (Performance Metrics)[231] *must match those reported in QDR Table 2. Metrics listed in this section that are not the same as any of the performance metrics identified by Energy Safety and reported in QDR Table 2 must match those reported in QDR Table 3.*

The electrical corporation must:

- *Summarize its self-identified performance metric(s) in tabular form*
- *Provide a brief narrative that explains trends in the metrics*

SCE identifies performance metrics that its situational awareness activities support in Table 8-24. Because SCE's situational awareness and forecasting activities are instrumental in reducing PSPS impacts, these metrics overlap with those identified in Section 9 – PSPS. Please refer to Section 9 for a narrative that explains trends in these metrics.

[230] There may be overlap between the performance metrics the electrical corporation uses and performance metrics required by Energy Safety. The electrical corporation must list these overlapping metrics in this section in addition to any unique performance metrics it uses.

[231] The performance metrics identified by Energy Safety are included in Energy Safety's Data Guidelines.

Table 8-24 - Situational Awareness and Forecasting Performance Metrics Results by Year

Performance Metrics	2020	2021	2022	2023 Projected	2024 Projected	2025 Projected	Method of Verification (e.g., third-party evaluation, QDR)
Frequency of PSPS Events (total)[232]	10	8	3	7	7	7	QDR, Tables 3 and 10
Scope of PSPS Events (total)[233]	424	232	13	210	197	185	QDR, Tables 3 and 10
Duration of PSPS events (total)[234]	4,455,936	3,700,254	112,274	2,508,101	2,282,372	2,076,958	QDR, Tables 3 and 10
Number of customers impacted by PSPS[235]	229,800	179,502	15,784	120,441	102,375	87,019	QDR, Tables 3 and 10

[232] Frequency of PSPS Events definition: Number of instances where utility operating protocol requires de-energization of a circuit or portion thereof to reduce ignition probability, per year. Only include events in which de-energization ultimately occurred
[233] Scope of PSPS Events definition: Circuit-events, measured in number of events multiplied by number of circuits de-energized per year
[234] Duration of PSPS events definition: Customer hours per year
[235] Number of customers impacted by PSPS definition: Number of customers impacted by PSPS (if multiple PSPS events impact the same customer, count each event as a separate customer)

8.3.2 Environmental Monitoring Systems

The electrical corporation must describe its systems and procedures for monitoring environmental conditions within its service territory. These observations should inform the electrical corporation's near-real-time risk assessment and weather forecast validation. The electrical corporation must document the following:

- *Existing systems, technologies, and procedures*
- *How the need for additional systems is evaluated*
- *Implementation schedule for any planned additional systems*
- *How the efficacy of systems for reducing risk are monitored*

Reference the Utility Initiative Tracking ID where appropriate.

8.3.2.1 Existing Systems, Technologies, and Procedures

The electrical corporation must report on the environmental monitoring systems and related technologies and procedures currently in use, highlighting any improvements made since the last WMP submission. At a minimum, the electrical corporation must discuss systems, technologies, and procedures related to the reporting of the following:

- *Current weather conditions:*
    - *Air temperature*
    - *Relative humidity*
    - *Wind velocity (speed and direction)*
- *Fuel characteristics:*
    - *Seasonal trends in fuel moisture*

Each system must be summarized in Table 8-25. The electrical corporation must provide the following additional information for each system in the accompanying narrative:

- *Generalized location of the system / locations measured by the system (e.g., HTFD, entire service territory).*
- *Integration with the broader electrical corporation's system.*
- *How measurements from the system are verified.*
- *Frequency of maintenance.*
- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate.*

For calculated quantities, how raw measurements are converted into calculated quantities. This should include flow charts and equations as appropriate.

SCE summarizes each of its environmental monitoring system in the table below. SCE details its efforts

to understand trends in seasonal fuel moisture and other fuel characteristics in Section 8.3.2.1.2 - Fuel Sampling (Fire Science SA-8).

Table 8-25 - SCE's Environmental Monitoring Systems

System	***Measurement/ Observation***	***Frequency***	***Purpose and Integration***
Weather Stations (SA-1)	Wind speed, wind direction, 3-second max wind gust, temperature, dew point, relative humidity, solar radiation (where applicable)	10-minutes, hourly, 24-hour (daily), 30-second reads on stations with cellular communications	Provide weather data for PSPS decision making Provide weather data for forecasts.
Fuel Sampling (SA-8)	Vegetation Moisture	Bi-weekly	Assess how receptive the fuels are to fire and help align FPI values when forecasts of live fuel moisture are misaligned with observations.
Fire Science (SA-8)	Santa Ana Wind Outlook	Monthly	Determine above or below normal Santa Ana wind days for the one-month and three-month periods.
Live Field Observations	Supplement information from weather stations and also identify flying debris, wire slap and other hazardous conditions that may be present at impacted area	As needed during PSPS	Qualified personnel can be deployed to high-risk portions of the grid to take live wind readings to supplement information from fixed weather stations and to watch for other inclement hazards.

8.3.2.1.1 Weather Stations (SA-1)

Weather stations are used to provide critical situational awareness for PSPS decision-making and help improve weather models. SCE's weather stations provide data points such as temperature measurements, wind speeds, wind direction, dew point, and relative humidity. Weather conditions can differ significantly at any given time within the HFRA in SCE's service area, due to the large size and diverse topography involved. For example, Southern California's mountains have rapid elevation changes and differing canyon orientations, which create localized weather zones. Installing weather stations on specific segments of circuits, SCE can sectionalize circuits and reduce the scope of PSPS events, where possible, thereby reducing the impact on our customers.

SCE monitors and analyzes weather data at the circuits and circuit segments, where available, across HFRA to inform critical operational decisions such as deploying PSPS protocols during elevated weather

conditions. Granular, circuit-level or circuit-segment level weather data is used by incident management team (IMT) personnel to inform initiation of PSPS events, customer notifications, de-energization decisions for SCE circuits, re-energizations, as well as limiting the impact of PSPS to the extent possible to particular segments of a circuit instead of a full circuit, where applicable, dependent on circuit configurations.

To improve existing weather models and access more granular real-time information during wildfire risk conditions, SCE increased the number of weather stations across distribution, sub-transmission and bulk-transmission circuits in its HFRA. A higher density of weather stations allows SCE to validate real-time conditions in the field during elevated fire conditions. Adding weather stations to transmission circuits will also help improve the visibility of the service area for enhanced weather models and accuracy, where data was not previously captured. Weather stations on transmission circuits provide a broader, more holistic weather forecast model as data from these stations are in locations not previously captured. Transmission weather stations allow for more complete weather modeling for situational awareness. Having more stations also expands and increases the granularity of data to enable improved weather forecasting capabilities at the circuit and circuit-section level.

As of December 2022, SCE has over 1,600 weather stations deployed across its HFRA, primarily on the distribution system, including over 115 stations on the sub-transmission and bulk-transmission system. SCE used industry equipment standards and placement techniques to capture the wind profiles of its circuits, while at times siting more than one station per circuit to account for variations in terrain, as well as circuit segmentation to minimize customer impacts.

Highlights since last WMP submission

SCE continued to expand its weather station network by installing 160 new weather stations in 2022, of which 53 were dual communications (cellular and satellite) stations. SCE further enhanced the existing network of weather stations by converting 127 existing stations to dual communication stations, to allow for real-time weather read capabilities as well as redundancy. Dual communication stations have both cellular and satellite communication capabilities. The satellite network is not reliable enough to facilitate increased weather reads more frequently than the current 10-minute reads. Cellular communications are capable and reliable for increased data collection intervals. Post 2019, weather station installations only consisted of satellite communications, therefore the addition of cellular modems will help us to achieve more frequent data reads per Energy Safety's Final Decision on SCE's WMP 2022 Update.

In 2023, SCE plans to convert approximately 500 existing stations into dual communication stations by adding cellular modems, where cellular coverage is available. In addition, SCE will attempt to pilot 30-second reads during 2023 PSPS events in order to learn how to best operationalize real time data reads on selected stations, based on PSPS needs and station functionality. Please see Appendix D: Areas for Continued Improvement for additional detail provided in response to a related ACI from SCE's 2022 WMP.

Generalized location of the system / locations measured by the system (e.g., HTFD, entire service territory)

SCE prioritizes weather station installations on HFRA circuits that are most likely to exceed PSPS wind thresholds. All distribution circuits that have met or exceeded PSPS wind thresholds in the past five

years now have at least one weather station installed. Not every distribution circuit in the HFRA has a weather station installed, but is in close enough proximity to have a nearby weather station assigned to provide coverage. Some circuits also need additional stations to obtain the desired level of situational awareness due to repeated PSPS impacts.

At this time, SCE considers the following in sequential order when prioritizing the locations of weather station installations:

1. HFRA distribution circuits with historical instances of forecasts reaching PSPS criteria[236] and does not have an assigned weather station to provide coverage.

2. HFRA distribution circuits that have previously experienced PSPS conditions and could benefit from extra weather stations for additional sectionalizing.

3. Sub-transmission and transmission monitoring zones with historical instances of forecasts reaching PSPS criteria and have no representative weather stations.

4. PSPS Operations subject matter experts' identification of circuits that would benefit from a weather station or an additional weather station by potentially limiting the number of customers impacted by a PSPS event by having more granular weather data available at a circuit/segment

Once the circuit is identified, placement along the circuits depends on several factors, including, but not limited to the following:

• Location is in a wind prone area (SCE prioritizes those circuits in wind-prone locations where the potential consequences of a catastrophic fire are high);

• Location is easily accessible to maintenance crews;

• Location has a clear view of the southern horizon for solar power recharge purposes as the stations are battery-powered;

• Location is free from major obstructions such as trees and buildings.

Integration with the broader utility system

While the primary intended purposes of the weather stations installed under this initiative are intended to support wildfire and PSPS risk mitigation, they can and do support other secondary functions within the utility. The following are some of the other applications of weather stations:

- SCE uses the weather data from the weather stations to forecast demand for load conditions to aide energy procurement.
- SCE's Transmission and Distribution organization uses weather data forecasts from SCE's weather services organization for outage forecasting to complete field work related to outages (e.g. pole replacements).

[236] See https://energized.edison.com/psps-decision-making for a description of SCE's PSPS decision-making criteria.

- SCE inputs the weather data for its-flown field conditions, the weather at the time of an aerial inspection, into its computer aided design and drafting program to help determine max-sag and max-sway for lidar imaging.

- SCE uses the current and historical weather data to provide seasonal outlooks for long term weather forecasting.
- Various IMTs unrelated to PSPS are sometimes activated during storm events, where high winds, rains, thunderstorms, etc. may be present but PSPS conditions are lacking, and rely on data from weather stations for situational awareness.

Process to verify measurements from the system

The weather stations in the field are calibrated on a nearly annual basis, based on field access, scheduling and coordination with other work. These calibrations are conducted with a set of specific tools as a part of the routine maintenance. The calibrations are a form of quality control to ensure accurate data reads as the tools compare station data to kit tools monitoring the same field conditions.

The data collected from the weather stations is also verified by checking for outlier reads compared to nearby stations. Outlier data is identified as possibly erroneous and not recorded for historical recall.

Frequency of maintenance

The weather stations are currently maintained approximately once per year, based on field access, scheduling and coordination with other work. SCE plans to adopt an annual calibration maintenance cycle by the end of 2023, based on weather station industry standards. Calibrations are completed on each station. The calibration validates data observed in the field and compares the values to those being collected by the weather station. The various weather station instruments are cleaned, tightened, re-aligned, replaced, etc., as needed during the calibration.

For intermittent systems (e.g., aerial imagery, line patrols), the processes used to trigger collection. This should include flow charts and equations as appropriate to describe the process.

Weather Stations are not considered an intermittent system; as such, this question does not apply.

For calculated quantities, the processes used to convert raw measurements to calculated quantities. This should include flow charts and equations as appropriate to describe the process

Weather stations are not a calculated quantity; as such, this question does not apply.

8.3.2.1.2 Fuel Sampling (Fire Science SA-8)

Frequently throughout the year it is important to view and collect vegetation moisture observations for the purposes of increasing our intra-year wildfire situational awareness. While local fire agencies conduct fuel sampling, SCE determined it would be beneficial to sample in areas where gaps exist both spatially and temporally in areas not covered by fire agencies and within its service territory. Fuel sampling consists of physically collecting small portions of the native vegetation, which is then brought to a lab to be weighed, dried, and then weighed again to determine the vegetation's moisture content. To assure the fuels sampling program is properly managed and there is little interruption of data, SCE

checks that all samples are collected and analyzed properly and resolves issues that may arise at any of the sites with the vendor as quickly as possible. This helps to ensure that the fuel sampling data is high-quality and will result in better model solutions and outputs.

Highlights since last WMP submission

In 2022, SCE continued sampling moisture levels within the live vegetation at the same 15 locations through its Fuels Sampling Program. SCE is continuing to evaluate the feasibility of expanding the program to collect samples from additional sites in SCE's HFRA where observation gaps may still exist (for instance in the Tehachapis or Southern Sierra). Also, SCE successfully used some of its sampled data from the past two years to approximate live fuel moisture content in other vegetation species such as sagebrush and ceanothus/manzanita.

Generalized location of the system / locations measured by the system (e.g., HTFD, entire service territory)

There are 15 fuel sampling sites within SCE's HFRA. These sites were initially selected by determining where areas could use more sampling to improve its locational fuel data, and then further refined based on SCE's right-of-way access, proximity to major roads, and the amount, type, and health of the vegetation at each location.

Integration with the broader utility system

This data is used extensively to help assess daily fire potential and to adjust FPI calculations when needed during PSPS events.

Process to verify measurements from the system

Measurements are verified by comparing the results with fuel sampling measurements performed by fire agencies.

Frequency of maintenance

Sampling is performed every two weeks throughout the year except when conditions are too wet from rain or vegetation is covered in snow.

For intermittent systems (e.g., aerial imagery, line patrols), the processes used to trigger collection. This should include flow charts and equations as appropriate to describe the process

Fuel Sampling is not considered an intermittent system, and as such, this question does not apply.

For calculated quantities, the processes used to convert raw measurements to calculated quantities. This should include flow charts and equations as appropriate to describe the process

Live Fuel Moisture Content (LFMC) is calculated by the following:

$$\text{LFMC} = \frac{\text{Weight of water in the vegetation}}{\text{Dry weight of the vegetation}} \times 100$$

This formula is applied individually to each vegetation species sampled at each of the 15 fuel sampling locations.

8.3.2.1.3 Fire Science Enhancements (Fire Science, SA-8)

SCE continues to build upon its foundational fire science program established several years ago. These enhancements include improving dead fuel moisture modeling, investigating historical weather patterns associated with critical fire weather events, and improving long-range fire potential forecasting. These enhancements are specifically designed to support the higher prioritized objectives associated with SCE's wildfire mitigation efforts for more risk-informed decision-making.

Improvements to dead fuel moisture modeling are necessary for better assessments of fire potential, especially how it relates to PSPS and associated customer notifications. Dead fuel moisture is one of the major inputs into the Fire Potential Index (FPI), which is a critical metric used in helping identify which customers may be affected by PSPS and when.

In 2025, SCE plans to utilize Self-Organizing Maps (SOMS) which are a form of pattern recognition and can be used to identify meteorological patterns that lead to extreme weather events. For example, SOMS can be used to not only identify Santa Ana winds, but they can also identify the characteristic of the Santa Ana wind events (i.e., magnitude, duration, and location). SOMS can also relate weather patterns to fire activity to show what fires may exhibit extreme fire behavior based on weather scenarios. This type of pattern recognition can be used as a predictive tool in helping identify potential PSPS events and situations where multiple large fires can occur simultaneously. SOMS can be incorporated into climate change modeling to show what trends exist in critical weather patterns that may pose a threat to SCE's infrastructure.

SCE's Santa Ana Wind Outlook subscription allows SCE to continue receiving 1-month and 3-month ahead forecasts of Santa Ana winds over the service territory. The model consists of several components, including a machine learning approach to help determine the approximate number of days over the forecast period in which Santa Ana wind conditions will occur. These forecasts are used in combination with SCE's seasonal outlooks to help inform the frequency of these events when planning for inspections and remediations across SCE's service area.

Finally, SCE has partnered with the California Polytechnic State University, San Luis Obispo (Cal Poly-SLO) and SJSU on academic research initiatives through the Wildland Urban Interface Fire Institute and the Wildfire Interdisciplinary Research Center (WIRC), respectively to support projects that address California's IOUs efforts to reduce utility caused ignitions.

Highlights since last WMP submission

In 2022, SCE retrained the machine learning models used to generate its Santa Ana Wind 1-month and 3-month-ahead outlooks. These retrained models incorporate more history and allow for improved forecasting of these types of events. In addition, SCE was able to generate products that compare forecasts of wind, temperature, FPI, etc., to historical weekly climatologies. These products allow the

user to understand the current forecast as it relates to past weather events.

Generalized location of the system / locations measured by the system (e.g., HTFD, entire service territory)

These efforts cover the SCE service area.

Integration with the broader utility system

The Santa Ana wind outlook is utilized for seasonal forecasting, while the dead fuel moisture model is used as a direct input into our daily assessment of fire potential.

Process to verify measurements from the system

SCE's vendor, ADS, provides verification for the Santa Ana Wind Outlook and the dead fuel moisture forecast.

Frequency of maintenance

Models are retrained every two-to-four years in order to better account for any large-scale atmospheric changes. In meteorology, large-scale is defined as a horizontal length scale of the order of 1000 kilometers (about 620 miles) or more.

For intermittent systems (e.g., aerial imagery, line patrols), the processes used to trigger collection. This should include flow charts and equations as appropriate to describe the process

Fire Science Enhancements is not an intermittent system and as such this question is not applicable.

For calculated quantities, the processes used to convert raw measurements to calculated quantities. This should include flow charts and equations as appropriate to describe the process

Fire Science Enhancements is not a calculated quantity and as such this question is not applicable.

8.3.2.1.4 Live Field Observations

SCE trains and deploys personnel to perform line patrols and live field observations (LFOs), providing critical situational awareness during PSPS to inform decision-making.

During PSPS, real-time information regarding the impacted areas can help determine the need for various just-in-time wildfire mitigations efforts, such as vegetation remediation and infrastructure repairs. In-person observations may help to supplement information from weather stations and identify flying debris, wire slap and other hazardous conditions that may be present at the impacted area. Prior to re-energization, in-person observations may also help to identify whether lines are clear of potential hazards. Without these observations, SCE would miss some valuable inputs, compromising its ability to make informed decisions about potential PSPS de-energizations and re-energizations.

Line patrols and LFOs (monitoring) provide critical sources of situational awareness that allow for the execution of SCE's PSPS protocols before and during a PSPS event, and after weather conditions have abated. Before an event, line patrols are carried out by qualified personnel (e.g., troublemen, senior patrolmen, etc.) using iPads to examine SCE assets for any potential concerns that may be exacerbated by the upcoming wind event. During an event, qualified personnel can be deployed to high-risk portions of the grid to take live wind readings using handheld weather stations to provide field conditions readings to supplement information from fixed weather stations and to watch for other inclement hazards (e.g., airborne debris). These LFOs are performed to provide real-time data to SCE's Emergency

Operations Center. After concerning weather conditions have abated, SCE must dispatch qualified personnel again to perform restoration patrols on all circuits that experienced a PSPS de-energization to ensure that they are safe for service restoration.

These protocols are imperative to SCE's decision making and will continue to be a part of SCE's WMP for the foreseeable future. Even with expanding automation and new technology, providing SMEs with visibility to grid and weather conditions provides invaluable situational awareness on local hazards like swaying lines with potential for wire-to-wire contact and airborne debris or vegetation. Field observers can also provide real-time weather reads using portable devices, supplementing weather station coverage of SCE's HFRA circuits.

Highlights since last WMP submission

In the latter half of 2022, SCE augmented PSPS pre-patrols with inspectors from the Vegetation Management team as part of an exploratory effort to better understand vegetation-related risks leading up to and associated with PSPS events, and to prescribe appropriate mitigations if any concerning issues were identified. In 2023, SCE plans to review the findings to better understand the risks involved and how they specifically relate to asset and field conditions associated with PSPS events and develop the appropriate mitigation, if any, through the established vegetation management inspection and remediation programs.

Using lessons-learned, SCE focused on resource management in order to execute on live field observations and quickly mobilize patrol resources, particularly during holidays when resources can be constrained. SCE modified internal policies that limited SCE 's ability to pre-stage patrol aircraft to ensure they were available as soon as PSPS conditions abated, in addition resource planning meetings were held several days prior to the event to ensure the right level of support through the entire duration of events.

Generalized location of the system / locations measured by the system (e.g., HTFD, entire service territory)

Line patrols and field observations are performed throughout the HFRA on any circuit that is in scope for PSPS consideration.

Integration with the broader utility system

The deployment and use of Live Field Observers (LFOs) is limited to PSPS events and, as a result, is not integrated with daily operations on the SCE grid.

Process to verify measurements from the system

Not applicable, as this activity involves observations of weather and environmental conditions.

Frequency of maintenance

Annually, SCE delivers training to PSPS field personnel and briefs its contractors engaged in wildfire mitigation activities on requirements, potential impacts, and any updates to PSPS protocols since the prior year.

For intermittent systems (e.g., aerial imagery, line patrols), the processes used to trigger collection. This should include flow charts and equations as appropriate to describe the process

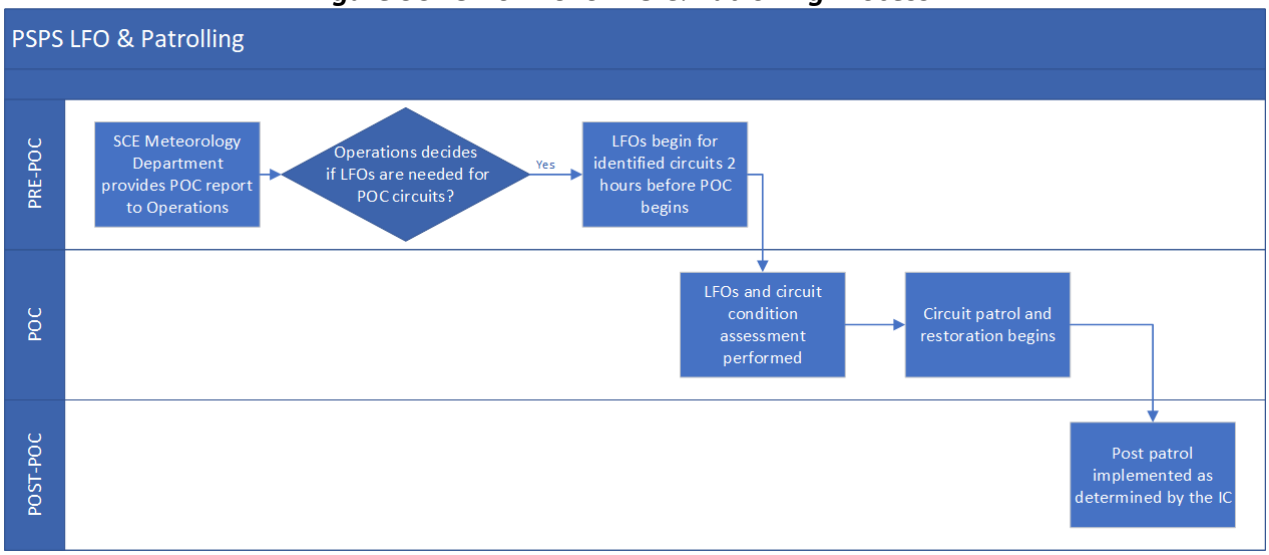
SCE utilizes proactive de-energization as a measure of last resort when all alternatives to de-energization are insufficient to address wildfire risk. The period of concern (POC) is when fire weather is forecasted that could potentially impact SCE's service territory. SCE performs pre-patrols of circuits in scope and deploys field personnel to circuits at risk to monitor real-time weather conditions.

LFOs provide critical sources of situational awareness that allow for the execution of SCE's PSPS protocols before and during a PSPS event, and after weather conditions have abated. These LFOs are performed to provide real-time data back to SCE's Emergency Operations Center. If field conditions are unsafe, field personnel performing the LFOs are required to notify the PSPS IMT.
After weather conditions have subsided, SCE dispatches qualified personnel to perform restoration patrols on all circuits that experienced a PSPS de-energization to ensure that re-energization is safe for service restoration.

The type of patrols performed by field personnel on circuits that appear on the POC Report include:

1. Pre-patrol: May be initiated up to five days in advance of the forecasted event.
2. LFO: Patrols performed during the POC Report.
3. Restoration Patrols: Performed during restoration to ensure no hazards exist before energizing circuit sections
4. Post-Patrol: Performed on circuits that were not de-energized at the request of the IMT Incident Commander.

Figure SCE 8-46 - PSPS LFO & Patrolling Process



For calculated quantities, the processes used to convert raw measurements to calculated quantities. This should include flow charts and equations as appropriate to describe the process

Live Field Observations is not a calculated quantity, and as such this question does not apply.

8.3.2.2 Evaluation and Selection of New Systems

The electrical corporation must describe how it evaluates the need for additional environmental monitoring systems. This description must include:

- *How the electrical corporation evaluates the impact of new systems on reducing risk (e.g., expected quantitative improvement in weather forecasting)*
- *How the electrical corporation evaluates the efficacy of new technologies These descriptions should include flow charts as appropriate.*

SCE continuously evaluates its current environmental monitoring systems for opportunities for improvement. As noted in Section 8.3.2.3, SCE is developing several changes and improvements to its environmental monitoring activities, which are intended to address areas and needs where SCE determined that its activities could be improved as existing technology advances.

8.3.2.2.1 How the electrical corporation evaluates the impact of new systems on reducing risk (e.g., expected quantitative improvement in weather forecasting)

SCE evaluates the impact of new systems by first proving the use case for the new system or technology with small case studies or limited deployment of the system or technology. SCE will observe the new technology or system to see if there are quantifiable impacts to SCE operations (e.g., fewer customers on a circuit de-energized during a PSPS event) or if the system or technology can aide in SCE's operational decision marking (e.g., improvement in weather forecasting).

8.3.2.2.2 How the electrical corporation evaluates the efficacy of new technologies

Once a system or technology has been operationalized, SCE evaluates the efficacy of the new systems or technologies by validating that the systems or technologies are being used and providing essential information to aide in SCE's decision-making process. This process occurs in a few cross-functional groups across SCE who routinely meet and discuss identified improvements to aide in efforts to continuously improve its situational awareness.

8.3.2.3 Planned Improvements

The electrical corporation must describe its planned improvements for its environmental monitoring systems.[237] This must include any plans for the following:

- *Expansion of existing systems*
- *Establishment of new systems*

For each planned improvement, the electrical corporation must provide the following in Table 8-26:

- ***Description:** A description of the planned initiative activity*
- ***Impact:** Reference to and description of the impact of the initiative activity on each risk and risk component*
- ***Prioritization:** A description of the x% risk impact (see Section 8.1.1.2 for explanation)*

[237] *Annual information included in this section must align with Tables 7 and 8 of the QDR.*

- ***Schedule:*** *A description of the planned schedule for implementation*

SCE provides its planned improvements to its Environmental Monitoring Systems in Table 8-26 below.

Table 8- 26 - SCE's Planned Improvements to Environmental Monitoring Systems

System	Description	Impact	x% Risk Impact	Implementation Schedule
Weather Stations (SA-1)	SCE plans to install an additional 85, with a strive goal of 95, weather stations in 2023. SCE will continue to install on sub-transmission and bulk-transmission locations for more complete weather forecast models. Installs will also still occur at the distribution circuit level.	The additional weather stations will improve existing weather models and provide more granular real-time information during wildfire risk conditions. Additional weather stations will also enable SCE to sectionalize circuits and reduce the scope of PSPS events, where possible, thereby reducing the impact on our customers	Please see Table 8-23 for risk impact information	End of 2025
Remote Sensing (SA-8)	SCE plans to develop the Vegetation Build-up Index with the University of Colorado.	The Vegetation Build-up index will provide better assessment of long-term fire potential	Please see Table 8-23 for risk impact information for all of SA-8	End of 2024

System	Description	Impact	x% Risk Impact	Implementation Schedule
Fire Science Enhancements (SA-8)	SCE will work to continuously improve the accuracy of its weather modeling capabilities and begin work in SOMS in 2025.	SOMS can be used to identify meteorological patterns that lead to extreme weather events.	Please see Table 8-23 for risk impact information for all of SA-8	End of 2025
Climate Change Modeling (SA-8)	Starting in 2025, SCE will downscale multiple Global Climate Models (GCM's) to 1-kilometer resolution with hourly temporal resolution of various weather and fuel parameters such as temperature, relative humidity, wind, fuel moisture, and FPI.	This allow for detailed analysis to be conducted to show trends in weather, fuels, and fire potential.	Please see Table 8-23 for risk impact information for all of SA-8	End of 2028

SCE also provides additional information on its Remote Sensing and Climate Change Modeling planned improvements that was not discussed in Section 8.3.2.1.

8.3.2.3.1. Remote Sensing (Fire Science-SA-8)

SCE is implementing remote sensing technology to collect additional information on weather, fuels, and fire activity to enhance SCE's wildfire modeling capabilities. Collecting weather, fuels, and fire activity information in remote areas is challenging, which makes it necessary for SCE to continually evaluate ways to improve its situational awareness in these areas.

SCE's Fire Sciences organization is actively engaged in two remote sensing projects:

1. SCE is working with the University of Colorado, Boulder to develop a Vegetation Build-Up Index which will utilize remote sensing information pertaining to vegetation amount, type, and age to determine where the greatest threat for significant fire may be possible within SCE's service area within the next 6 months. The Vegetation Buildup Index will result in a heat map showing

the approximate areas where the dynamic combustibility of fuels is greatest. This product will allow for an objective, quantifiable process to help identify AOCs which are areas where inspections and potential remediations of any known issues are accelerated.

2. SCE will continue to explore its LiDAR pilot project with San Jose State University (SJSU) to measure wind speeds. While SCE uses LiDAR for vegetation management purposes, LiDAR technology in this case is used to observe wind speeds above the ground every 5 minutes. When circuit level wind speeds are difficult to predict due to complex terrain, monitoring wind speeds above these circuits could provide insight into the behavior of the wind and the potential for PSPS threshold winds to extend down to the circuit level. This data may potentially be useful in the decision-making process regarding PSPS de-energization.

SCE began implementing a lower atmospheric wind profiler pilot project in 2021 in connection with SJSU. The pilot includes profiling winds in the lower atmosphere using LiDAR technology to collect wind observations above ground level. In 2022, SCE continued to use SJSU's LiDAR system to sample wind speeds at specific locations on an ad hoc basis dependent on the occurrence of Santa Ana winds.

8.3.2.3.2 Climate Change Modeling (Fire Science-SA-8)

With the rapid change in climate and its impact on wildfire activity, it is imperative that SCE have detailed projections of weather and fuel conditions to determine changes in fire potential and fire activity in the future. This information will drive decision-making regarding any remaining grid hardening activities and will help SCE be better prepared for future changes in wildfire.

Starting in 2025, SCE will downscale multiple Global Climate Models (GCM's) to 1-kilometer resolution with hourly temporal resolution of various weather and fuel parameters such as temperature, relative humidity, wind, fuel moisture, and FPI. These datasets will allow for detailed analysis to be conducted to show trends in weather, fuels, and fire potential. It is also possible that this data can help determine trends in the number of PSPS events in the future. The result of these analyses will not only help to improve SCE's weather and fuels modeling, but it will also help inform how SCE designs its equipment and grid structure moving forward.

8.3.2.4 Evaluating Mitigation Initiatives

The electrical corporation must describe its procedures for the ongoing evaluation of the efficacy of its environmental monitoring program.

SCE's procedures for the ongoing evaluation of the efficacy of its environmental monitoring program include a review of how these systems are used and verifying system measurements are accurate.

SCE continuously evaluates the efficacy of its environmental monitoring program by validating that it consistently provides essential information to aide in SCE's decision-making process. SCE's environmental monitoring systems and processes have evolved from operational decision making during PSPS events only, to being used on a daily basis to inform assessments of the service territory, fire risk, and provide situational awareness. The continued use and refinement of SCE's environmental monitoring systems assures SCE is producing the desired result it intended to. In evaluating new technologies and industry standards of the same or similar systems, SCE is able to assess and confirm efficacy due to the growth of use, and even expansion, in its various systems.

And as discussed in each environmental monitoring system, SCE has developed a process to verify the

measurement from the system so that SCE can rely on the information the system or process provides. SCE is continuously evaluating its environmental monitoring systems to determine areas for improvements. As noted above in Section 8.3.2.3, SCE is developing several changes and improvements to its environmental monitoring activities, which are intended to address areas and needs where SCE determined that its activities could be improved.

8.3.3 Grid Monitoring Systems

The electrical corporation must describe its systems and procedures used to monitor the operational conditions of its equipment. These observations should inform the electrical corporation's near-real-time risk assessment. The electrical corporation must document:

- *Existing systems, technologies, and procedures*
- *Procedure used to evaluate the need for additional systems*
- *Implementation schedule for any planned additional systems*
- *How the efficacy of systems for reducing risk are monitored Reference the Utility Initiative Tracking ID where appropriate.*

8.3.3.1 Existing Systems, Technologies, and Procedures

The electrical corporation must report on the grid system monitoring systems and related technologies and procedures currently in use, highlighting any improvements made since the last WMP submission. At a minimum, the electrical corporation must discuss systems, technologies, and procedures related to the detection of:

- *Faults (e.g., fault anticipators, rapid earth fault current limiters, etc.)*
- *Failures*
- *Recloser operations*

Each system must be summarized in Table 8-27 below. The electrical corporation must provide the following information for each system in the accompanying narrative:

- *Location of the system / locations measured by the system*
- *Integration with the broader electrical corporation's system*
- *How measurements from the system are verified*
- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate*
- *For calculated quantities, how raw measurements are converted to calculated quantities. This should include flow charts and equations as appropriate.*

Below, SCE summarizes each of its grid operation monitoring systems in Table 8-27. SCE employs a variety of systems/technologies to track and monitor issues on its grid related to faults, failures and recloser operations. SCE's Grid Operations team will monitor faults and power flow, and work to respond and/or dispatch qualified resources to remediate issues in the field.

For systems such as Early Fault Detection (EFD) and Distribution Fault Anticipation (DFA), reviews of data collected from EFD and DFA are not performed immediately and therefore the information does not inform near-term risk assessment. SCE also analyzes outages, faults and wire-down data collected from these systems to make recommendations for any changes needed to the suite of existing grid monitoring systems/technologies.

Table 8-27 - Grid Operation Monitoring Systems

System	Measurement/ Observation	Frequency	Purpose and Integration
Radio Frequency Monitors	• High frequency discharges	Approximately 4.16 million samples per cycle	Identifies incipient faults before they are realized, e.g., Early Fault Detection (EFD) (SA-11)
Protective Relays	• Electrical current • Electrical voltage • Wave form harmonics	Minimum 4 samples per cycle.	Detects abnormal grid conditions such as faults, wire-downs, open phase conditions, and high impedance faults and deenergizes those circuits or circuit segments, e.g., TOPD (SH-8), Hi-Z, DOPD, and Fast Curves
Smart Meters	• Electrical voltage • Electrical usage (kWh) • Meter exceptions and events (voltage thresholds that are exceeded, power off and on)	Voltage readings are in hourly intervals. Usage readings are either 15 minute or 1 hour intervals. Meter events are logged in the meter as they exceed thresholds. Meter exceptions are generated near real-time when thresholds are exceeded.	Detects energized wire-downs and other high impedance faults/hazards or identifies a failure mode of distribution transformers, e.g., MADEC, Transformer Early Damage Detection
Fault Recorders	• Electrical current • Electrical voltage • Wave form harmonics	For transient records, minimum 20 samples per cycle. For long term records, minimum 4 samples per cycle.	Verifies faulted phases, fault locations and relay operation after a faulted event, e.g., Digital Fault Recorder (DFR)

System	Measurement/ Observation	Frequency	Purpose and Integration
Fault Current Limiters	• Electrical current • Electrical voltage	Approximately 83 samples per cycle	Detects ground fault and reduces voltage on faulted lines, e.g., REFCL

8.3.3.1.1 Radio Frequency Monitors: Early Fault Detection (EFD) (SA-11)

EFD technology detects high frequency radio emissions that can occur from arcing or partial discharge conditions on the electric system. These types of conditions can be indicative of an incipient failure, such as severed strands on a conductor, vegetation contact, or deterioration of insulating material (known as tracking). EFD could potentially be used to monitor the overall health of the electric system which may inform operational decisions during high-risk conditions. Each pair of sensors is able to "bi-angulate" the detection down to a specific location.

- *Location of the system / locations measured by the system:* EFD sensors are installed every 3 circuit miles on distribution circuits and every 5 circuit miles on sub-transmission and transmission circuits. All circuitry between sensor pairs is monitored by the system.
- *Integration with the broader electrical corporation's system:* EFD presently leverages the use of conventional cellular carriers (AT&T, T-Mobile, Verizon) and cloud service providers (Amazon Web Services) to operate and is not directly integrated with SCE systems.
- *How measurements from the system are verified:* SCE uses patrols and inspections to verify the conditions of assets identified by EFD as being potentially degraded or defective.
- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate:* Not applicable. These are not intermittent systems despite having sampling intervals as the systems are continuously operating to detect conditions. EFD sensors continually monitor the lines in locations where the sensors are deployed. If a potential fault condition is detected, the EFD system will begin recording and reporting the data. A "detection" is either a high voltage excursion or a sample that is detected at multiple EFD's ("matching detection"). The analysis of EFD data is then performed manually by SCE's engineers. If engineering finds that the EFD technology detected a potential issue on the grid, they will notify the district, who creates a notification and repair work order for patrols and inspections to verify the condition of the asset(s) in the field.
- *For calculated quantities, how raw measurements are converted to calculated quantities. This should include flow charts and equations as appropriate*: Not applicable. EFD does not use calculated quantities.

8.3.3.1.2. Protective Relay—e.g., Transmission Open Phase Detection (TOPD), Distribution Open Phase Detection (DOPD), High-Impedance faults Relays (Hi-Z), Rapid Earth Fault Current Limiters (REFCL), RARs, Fast Curve, Circuit Breaker Relays

8.3.3.1.2.1 Protective Relay - Transmission Open Phase Detection (TOPD) (SH-8)

TOPD technology allows de-energization of an open phase (broken conductor) on the transmission system before it contacts a grounded object resulting in a fault event. This technology reduces ignition risks associated with the high voltage transmission system. Please see Section 8.1.8.1.3.2 for a detailed discussion of TOPD.

- *Location of the system / locations measured by the system:* SCE equips existing Transmission relays that protect the Transmission lines residing in HFRA with the TOPD scheme. The TOPD scheme provides open phase detection from both the local and remote terminal to the whole Transmission line on which the TOPD-equipped Transmission relay sits.
- *Integration with the broader electrical corporation's system:* The TOPD scheme provides an additional layer of protection for Transmission lines and is integrated with the Energy Management System (EMS).
- *How measurements from the system are verified:* TOPD is in the pilot stage and most of the installation will remain in "Alarm mode" only, including new installations of TOPD. During "Alarm Mode" the TOPD scheme will not de-energize Transmission lines (please see Section 8.1.8.1.3.2 for a detailed discussion of TOPD). Upon receiving an Open Phase alarm, analysis of the any available relay oscillographs will be performed to determine operational effectiveness.
- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate:* Not applicable. These are not intermittent systems despite having sampling intervals as the systems are continuously operating to detect conditions. TOPD provides continuous monitoring of the Transmission line for an Open phase event related to a hardware failure.
- *For calculated quantities, how raw measurements are converted to calculated quantities. This should include flow charts and equations as appropriate*: The TOPD scheme is continuously monitoring the Transmission line for a loss of current on any single phase (wire). The minimum arming requirements must be met to successfully declare an open phase event. Upon an identification of a loss of phase, the TOPD scheme will validate that remaining phases are continuing to operate normally (un-faulted, normal load, etc.). If the above requirements are met, the TOPD will successfully declare an Open Phase event providing a local and remote alarm.
- TOPD is armed when loading is above 13% of the primary current transformer ratio (CTR) and identifies an open phase event on the transmission line for a single conductor break. The scheme measures the primary current of a Current Transformer (CT) by measuring the secondary of the CT and then multiplying by the CTR.

$$TOPD_{Arming} \geq 13\% * CTR_{Pri}$$

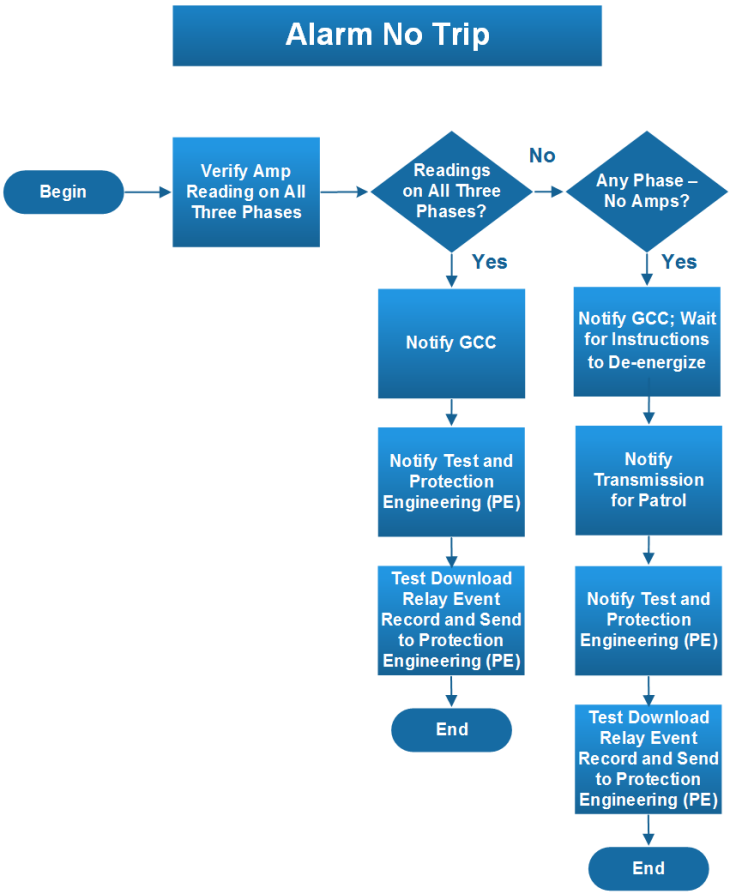
8.3.3.1.2.2 Protective Relay—Distribution Open Phase Detection (DOPD)

Similar to TOPD, DOPD is a technology on the distribution system that allows de-energization of an open phase (broken conductor) before it contacts a grounded object resulting in a fault event.

- *Location of the system / locations measured by the system:* The DOPD scheme leverages existing assets (Distribution Recloser Controllers) that protect the Distribution lines residing in high fire risk areas.

- *Integration with the broader electrical corporation's system:* The DOPD scheme is integrated with the Distribution Management System (DMS) and provides an additional layer of protection that is continuously monitoring the Distribution line for an Open phase event related to a hardware failure.
- *How measurements from the system are verified*: The DOPD scheme is being deployed initially in "alarm mode" only during the pilot stage. Upon receiving an open phase alarm, analysis is performed on the available relay oscillographs to determine operational effectiveness. Figure SCE 8-47 below demonstrates how DOPD alarms are currently verified.

Figure SCE 8-47 - DOPD Alarm Verification Process



- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection*. This should include flow charts and equations as appropriate: Not applicable. These are not intermittent systems despite having sampling intervals as the systems are continuously operating to detect conditions. DOPD provides continuous monitoring.
- *For calculated quantities, how raw measurements are converted to calculated quantities*. This should include flow charts and equations as appropriate: The DOPD scheme is continuously monitoring the Distribution line for changes in the magnitude and angle of the voltage to detect for an Open Phase condition.

DOPD utilizes the voltage (V) and current (I) transformation signals to identify an open phase(s) event on the primary portion of the distribution circuit. The scheme measures the primary voltage of a Potential Transformer (PT) by measuring the secondary of the PT and then multiplying by the PT ratio (PTR). The scheme measures the primary current of a CT by measuring the secondary of the CT and then multiplying by the CTR.

$$I_{Pri} = I_{Sec} * CTR$$

$$V_{Pri} = V_{Sec} * PTR$$

8.3.3.1.2.3 Protective Relay—High Impedance (Hi-Z) Relays

SCE's traditional feeder protection elements are based on overcurrent, meaning the protection elements rely on fault magnitude to trigger the relay to operate. In a Hi-Z event, however, the fault magnitude is relatively small to non-existent. A Hi-Z scheme may detect incipient faults that are undetectable by the conventional overcurrent-based schemes. SCE is evaluating and validating Hi-Z efficiency in the field in detecting actual Hi-Z events.

- *Location of the system / locations measured by the system:* The Hi-Z scheme leverages existing assets (Distribution Recloser Controllers) that protect the Distribution lines residing in HFRA. The Hi-Z controllers are installed at recloser controller locations in HFRA to assess the effectiveness of detecting Hi-Z conditions. The locations were selected based on having voltage-sensors with minimum required current levels (i.e., ≥ 25amps).
- *Integration with the broader electrical corporation's system*: The Hi-Z scheme is integrated with the DMS system and is an additional layer of protection for incipient faults that is continuously monitoring the Distribution line for high impedance conditions.
- *How measurements from the system are verified:* The Hi-Z scheme is being deployed initially in "alarm mode" only during the pilot stage. Upon receiving a Hi-Z alarm, analysis of the any available relay oscillographs will be performed to determine operational effectiveness.
- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate*: Not applicable. These are not intermittent systems despite having sampling intervals as the systems are continuously operating to detect conditions. The Hi-Z scheme is continuously monitoring the Distribution line for changes in circuit harmonics to detect Hi-Z conditions.
- *For calculated quantities, how raw measurements are converted to calculated quantities. This should include flow charts and equations as appropriate:* Once a Hi-Z condition is detected, records from the controller are collected to be analyzed to evaluate the schemes' performance.

Hi-Z algorithm utilizes voltage (V) and currents (I) from the primary to arm the scheme when the loading is above 5% of the primary CTR to detect for Hi-Z conditions. The scheme measures the primary voltage of a PT by measuring the secondary of the PT and then multiplying by the PTR. The scheme measures the primary current of a CT by measuring the secondary of the CT and then multiplying by the CTR.

$$HiZ_{Arming} \geq 5\% * CTR_{Pri}$$

$$I_{Pri} = I_{Sec} * CTR$$

$$V_{Pri} = V_{Sec} * PTR$$

8.3.3.1.2.4 Protective Relays—Fast Curves

Fast Curves provide an additional layer of protection that detects faults and operates faster than traditional relay protection to deenergize the fault circuit or circuit section to reduce the fault energy and reduce ignition risk. For detailed information about Fast Curve Settings, please refer to Section 8.1.8.1.1. Information about the Remote Automatic Reclosures (RARs) (SH-5) and substation circuit breakers (CBs) (SH-6) on which Fast Curve settings are installed can be found in Section 8.1.2.8.2.

- *Location of the system / locations measured by the system:* Fast Curves leverage new or existing microprocessor relays on distribution lines at the station CB or RARs residing in HFRA.
- *Integration with the broader electrical corporation's system:* Fast Curve settings are integrated with RARs and substation CBs on the system (please refer to Sections 8.1.2.10 and 8.1.2.11 for more information). Fast Curve integrates with and utilizes both EMS and DMS for remote enablement and disablement of Fast Curve settings.
- *How measurements from the system are verified:* Fast Curve operation initiates an event record in the protective relay for analysis. Analyzing records after an event can identify which phases were faulted, the amount of fault current detected, and the possible location of the fault. The analysis is useful in identifying improper relay operations that can be remedied, by helping field crews verify the fault source and confirm correct protection equipment operation after a fault event.
- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate*: Not applicable. These are not intermittent systems despite having sampling intervals as the systems are continuously operating to detect conditions.
- *For calculated quantities, how raw measurements are converted to calculated quantities. This should include flow charts and equations as appropriate*: When enabled during fire weather threats, Fast Curves continuously monitor the circuit or circuit section for sudden increases in line current indicating an electrical fault and take action to deenergize the station CB or RAR to reduce the fault energy.

Fast Curve equations: CB station and RAR relays

Phase Fast Curve Pickup: >2.3x existing phase min trip

Phase Delay: 4 cycles

Ground Fast Curve Pickup: >5x existing ground min trip

Ground Delay: 4 cycles

8.3.3.1.3 Fault Current Limiters—Rapid Earth Fault Current Limiters (REFCL)

REFCL devices can detect ground faults as small as a half ampere on one phase in a three-phase powerline and almost instantly reduce the voltage on the faulted line while boosting the voltage on the two remaining phases, to maintain service for customers while extinguishing arcs. SCE utilizes two different forms of REFCL technology: Ground Fault Neutralizer (GFN) and Grounding Conversions for small systems. Significant details on SCE's REFCL program can be found in the workpaper titled, "Rapid

Earth Fault Current Limiter (REFCL) Projects at Southern California Edison."[238]

- *Location of the system / locations measured by the system*: The REFCL project covering the most circuit miles at SCE, Ground Fault Neutralizer (GFN), is installed in substations feeding circuits that go into HFRA. SCE is also performing other grounding conversion projects in 2023 through 2025 which monitor a smaller system, often a single circuit or even part of a distribution circuit.

- *Integration with the broader electrical corporation's system:* REFCL is integrated with the distribution system. GFN is integrated with EMS and DFRs. The GFN is connected to the source transformer for the distribution circuits. Isolation Transformers can also be installed so only part of a distribution circuit is monitored by these devices.

- *How measurements from the system are verified*: A digital fault recorder measures line currents and voltages for a post-fault analysis.

- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate*: Not applicable. These are not intermittent systems despite having sampling intervals as the systems are continuously operating to detect conditions. While operating modes continue to be developed, the expectation is the system will run constantly except when equipment reliability or activities such as single-phase switching require taking it temporarily out of service.

- *For calculated quantities, how raw measurements are converted to calculated quantities. This should include flow charts and equations as appropriate*: The controller for the GFN calculates many quantities. For a detailed description of the quantities calculated by REFCL systems see the workpaper titled, "Rapid Earth Fault Current Limiter (REFCL) Projects at Southern California Edison."[239]

8.3.3.1.4 Smart Meters—e.g., Meter Alarm Down Energized Conductor (MADEC), Transformer Early Damage Detection

MADEC is a machine-learning (ML) algorithm utilizing smart meter data to detect a subset of energized wire-downs and other high impedance faults/hazards. MADEC generates an alarm that allows an operator to act quickly and de-energize the circuit.

Transformer Early Damage Detection (EDD) utilizes meter data and a custom algorithm to proactively identify one failure mode of distribution transformers. Identified transformers are replaced before possible failure to mitigate safety hazards for the public, prevent grid disruptions, and outages.

- *Location of the system / locations measured by the system*: MADEC and Transformer EDD are currently being used to actively monitor SCE's service area, in locations where smart meters exist and adequate data can be collected. Each system resides on internal SCE hardware/software.

- *Integration with the broader electrical corporation's system:* Each system uses existing collected smart data from our meter data management system and meter data warehouse. Smart meters

[238] See "Rapid Earth Fault Current Limiter (REFCL) Projects at Southern California Edison" workpaper, available at https://www.sce.com/safety/wild-fire-mitigation.
[239] *Ibid*.

are already integrated into the grid.

- *How measurements from the system are verified:* During algorithm design, historical meter data is analyzed and validated to be suitable for use cases. Additionally, various meter data are captured for further analysis as warranted.
- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate:* MADEC (described in Figure SCE 8-48 below) runs automatically every minute on the available near real-time meter data, given all supporting infrastructure is available. Personnel at the Reliability Operations Center trigger the algorithm for Transformer EDD (described in Figure SCE 8-49 below) to review the preliminary results since manual post-processing of results is required before any trouble orders for field investigation or remediation can be created.

Figure SCE 8-48 - MADEC Flowchart

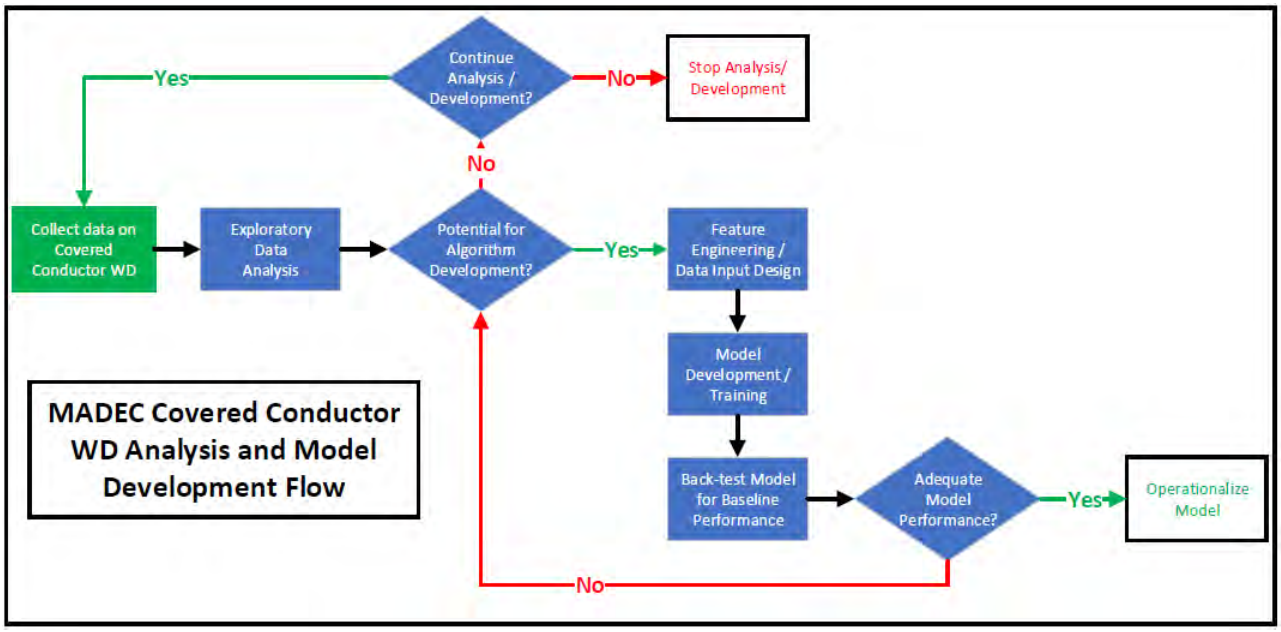
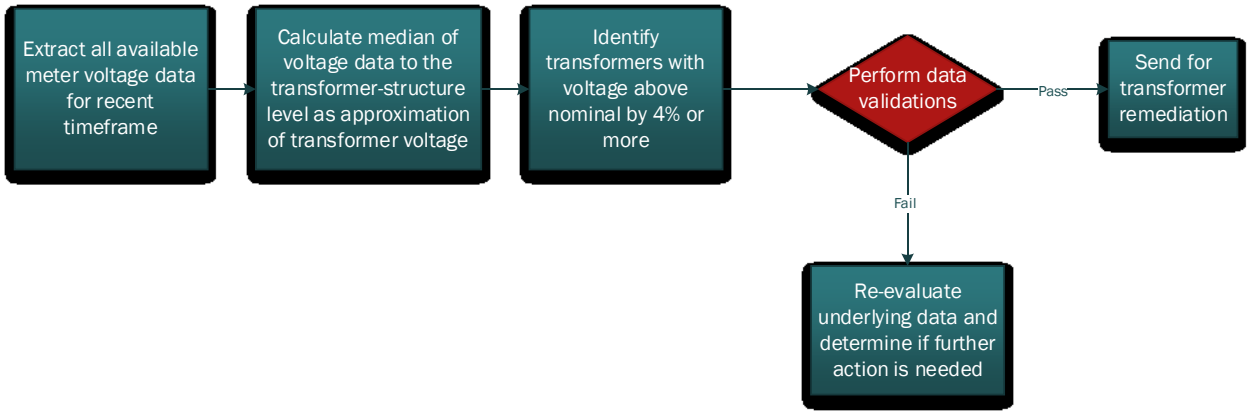


Figure SCE 8-49 - Transformer EDD Flowchart



- *For calculated quantities, how raw measurements are converted to calculated quantities. This should include flow charts and equations as appropriate:*

For MADEC, simple calculations and transformations are used to convert incoming raw data into binned values and ratios. While the calculations are not easily captured here as the ML model is constantly refining the algorithm used for detections, SCE provides the following information:

- MADEC uses internal grid connectivity data and voltage type exception information to create various downstream features for the model. Most of these features are used to create/calculate bins, ratios, and the timing/sequence of events and are typically aggregated to the structure or meter level.
- The model itself utilizes a standard Gradient Boosted Trees model. Model hyperparameters are based on a historic dataset.
- If a potential wire down situation is determined, the model output will identify a line with the circuit and nearby device or structures to help with locating the wire down. No output is generated if nothing is detected.

For Transformer EDD, raw meter voltage data—e.g., historic smart meter hourly voltage interval data and internal grid connectivity information—is used to calculate the list of transformer failures for remediation. The output is produced by identifying transformers with voltage (V) ≥4% above nominal, which is calculated by taking the median voltage of smart meters per transformer-structure and then comparing the calculations between neighboring transformers to understand if the transformer could have damage.

$$V_{Tranformer\ meter\ median} \geq 1.04\% * V_{Nominal}$$

8.3.3.1.5 Fault Recorders –e.g., Digital Fault Recorder

Digital Fault Recorders (DFRs) can be used to verify faulted phases, potential fault locations and correctness of relay operation after a faulted event, which helps with remediation of failed equipment (line or relay) to prevent reoccurrence of these events.

- *Location of the system / locations measured by the system:* DFRs are located on Transmission Substations in SCE's territory across the Bulk Electric System (BES) to record faults on Transmission lines. DFRs are also being deployed at Distribution Substations, including those substations located in HFRA.
- *Integration with the broader electrical corporation's system:* At the moment, DFRs are not integrated with the broader system. The data from the Distribution DFRs are automatically stored on the devices but needs to be retrieved from the devices manually since there are no commercial products currently available or a production grade system that has been implemented for automatically retrieving and aggregating the data in a central repository.
- *How measurements from the system are verified:* Data collected by the DFRs can be independently verified by other Intelligent Electronic Devices such as relays and meters.
- *For intermittent systems (e.g., aerial imagery, line patrols), what triggers collection. This should include flow charts and equations as appropriate:* DFRs are triggered whenever the voltage is 110% over or 10% under. Additionally, one ampere secondary residual current and external digital inputs are used to trigger fault recordings on the DFR at the BES.
- *For calculated quantities, how raw measurements are converted to calculated quantities. This should include flow charts and equations as appropriate:* The DFR provides the primary voltage of a Potential Transformer (PT) by measuring the secondary of the PT and then multiplying by the PT ratio.

$$V_{Pri} = V_{Sec} * P$$

The DFR provides the primary Current of a Current Transformer (CT) by measuring the secondary of the CT and then multiplying by the CT ratio.

$$I_{Pri} = I_{Sec} * CTR$$

8.3.3.2 Evaluation and Selection of New Systems

The electrical corporation must describe how it evaluates the need for additional grid operation monitoring systems. This description must include:

- *How the electrical corporation evaluates the impact of new systems on reducing risk (e.g., expected reduction in ignitions from failures, expected reduction in failures)*
- *How the electrical corporation evaluates the efficacy of new technologies*

These descriptions should include flow charts as appropriate.

How the electrical corporation evaluates the impact of new systems on reducing risk (e.g., expected reduction in ignitions from failures, expected reduction in failures)

Please refer to Section 8.3.2.2 for a general description of the process that SCE takes to evaluate new technologies for wildfire mitigation/prevention.

SCE's Fire Incident Preliminary Analysis (FIPA) processes investigate all ignitions and identify the drivers that may have caused the ignitions. An engineering evaluation is performed to understand whether there were mitigations in place to address the underlying cause of the risk event, and whether that mitigation performed as intended. SCE also identifies improvements to reduce the likelihood of recurrence, improve mitigation actions, and improve operational procedures and practices. This includes selecting and evaluating new grid monitoring technologies or systems based on an identified need and/or the mitigation's overall effectiveness at risk reduction. For instance, SCE may determine that a new system or mitigation is required when, upon review and analysis of ignition and fault data on the grid, it becomes apparent that one or more drivers of ignitions/faults cannot be adequately addressed using existing mitigations or a better mitigation may be available if proved to be effective.

SCE will also consider each new grid monitoring technology or a system's efficiency in reducing system risk. New systems (such as DOPD) are deployed in detection-only modes until the pilot program is determined to be successful at detecting the target issues on the grid. However, SCE evaluates the impact of new systems on reducing risk by first developing an estimate of the mitigation's effectiveness against various drivers of ignition risk, such as contact-from-object or equipment failure. Once the mitigation effectiveness percentage is identified, SCE will compare the overall risk for a specific area to the mitigation's effectiveness against that risk in locations where the mitigation is deployed. As discussed in Section 7.1.4.1, SCE also considers a host of other factors such as cost, resource availability, and overall feasibility when evaluating new grid monitoring systems. This step helps SCE to calculate how much risk could be reasonably reduced by the mitigation at that specific location when the mitigation is fully operational and can act to prevent a fault or ignition while successfully detecting issues on the grid.

How the electrical corporation evaluates the efficacy of new technologies.

SCE evaluates the efficacy of new technologies based on the historical ignition and fault data in conjunction with subject matter expert judgement. The specific process for evaluating the technology's efficacy at grid monitoring may vary depending on the technology. For example, the mitigation effectiveness percentages for REFCL are based on a combination of SCE testing and analysis conducted from 2019 to 2021, testing conducted in Australia, and SCE subject matter expert judgement. Other evaluations may involve using historical data, comparing geographies, or lab testing. Please refer to Section 8.3.2.2 for additional detail on the evaluation process.

8.3.3.3 Planned Improvements

The electrical corporation must describe its planned improvements in its grid operation monitoring systems. This must include any plans for the following:

- *Expansion of existing systems*
- *Establishment of new systems*

For each planned improvement, the electrical corporation must provide the following in Table 8-28:

- *Description: A description of the planned initiative activity*
- *Impact: Reference to and description of the impact of the initiative activity on each risk and risk component*
- *Prioritization: A description of the x% risk impact (see Section 8.1.1.2 for explanation)*
- *Schedule: A description of the planned schedule for implementation*

SCE describes in Table 8-28, below, its planned improvements to expand its grid operation monitoring capabilities through installations of: EFD sensors, relays capable of applying fast curve and Hi-Z settings, open phase detection schemes for Transmission and Distribution systems, and new DFRs.

Table 8-28 - Planning Improvements to Grid Operation Monitoring Systems

System	Description	Impact	x% Risk Impact	Implementation Schedule
Radio Frequency Monitors	Installation of EFD sensors in HFRA prioritized by risk analysis (SA-11).	EFD sensors are capable of detecting and locating degraded or defective assets that produce radio frequency emissions prior to failure, such as damaged conductor strands or insulator tracking. Early identification of these facilities and their replacement reduces ignition risk as the conditions further degrade.	Please see Table 8-23 for risk impact	Please see Table 8-23 in Section 8.3.1.2 for EFD's implementation schedule.

System	Description	Impact	x% Risk Impact	Implementation Schedule
Protective Relays - Fast Curves	Installation of microprocessor relays capable of applying fast trip settings to reduce fault energy.	Fast acting overcurrent protection used to detect faults on the grid and quickly deenergize circuits or circuit sections may reduce ignitions by reducing the amount of fault energy.	Please see Table 8-23 for risk impact	Please see Table 8-3 in Section 8.1.1.2 for the implementation schedule for circuit breaker relay units.
Protective Relays - Hi Z	Installation of recloser controllers capable of applying Hi-Z settings that detect high impedance conditions in HFRA.	Hi-Z settings detect high impedance conditions. Ignition risk can be reduced by detecting and isolating the high impedance conditions within HFRA.	N/A, evaluation still underway	Monitor the installations that are in-service in 2023 and 2024. Install Hi-Z at 20 new locations in 2025 and beyond, pending results of pilot analysis.
Protective Relays - TOPD (SH-8)	Installation and retrofit of open phase detection schemes on the Transmission system in HFRA.	TOPD scheme will detect an open phase (Broken Conductor) condition on its Transmission line, allowing for de-energization of the line before it contacts a grounded object and results in a fault.	Please see Table 8-23 for risk impact	Please see Table 8-3 in Section 8.1.1.2 for TOPD's implementation schedule.
Protective Relays - DOPD	Installation of open phase detection schemes on the Distribution	DOPD scheme will detect an open phase (Broken Conductor) condition on the distribution line, allowing for de-energization of the line before it contacts a	N/A, evaluation still underway	Monitor the installations that are in-service. Install DOPD at 12 locations in 2025 and beyond, pending

System	Description	Impact	x% Risk Impact	Implementation Schedule
	system in HFRA.	grounded object and results in a fault.		results of pilot analysis.
Fault Recorder	Installation of DFRs in SCE's territory across the Bulk Electric System (BES) and at Distribution Substations.	DFRs do not directly reduce wildfire risk. As a post-event analysis tool, DFRs are useful for performing root cause analysis on faulted events to help inform corrective action.	N/A	Install 20 DFRs per year in 2024 and 2025.
Fault Current Limiter	Installation of Ground Fault Neutralizers (GFN) (SH-17) in substations supplying HFRA circuitry and grounding conversions (SH-18) of small distribution systems.	Both GFN and grounding conversion designs target increases in ground fault sensitivity to 0.5 amperes and a 99.9% reduction in energy release from ground faults. This impacts wildfire drivers caused by ground faults, such as down wires, or phase-to-ground foreign object contact.	Please see Table 8-23 for risk impact	Please see Table 8-3in Section 8.1.1.2 for REFCL's implementation schedule.

8.3.3.4 Evaluating Mitigation Initiatives

The electrical corporation must describe its procedures for the ongoing evaluation of the efficacy of its grid operation monitoring program.

SCE monitors the efficacy of its mitigations by performing engineering reviews of ignitions involving SCE facilities through the Fire Investigation Preliminary Analysis (FIPA) process. The FIPA process examines ignitions to determine:

- Cause
- Contributing Factors
- Involved Equipment
- Deployed Mitigation in the area

SCE routinely monitors the data derived from its FIPA process and other pieces of information, such as outages and wire downs, to ensure SCE's programs are performing as desired. If an engineer in the FIPA process notices an event where mitigations did not perform as expected, the engineer will escalate the issue and the team will discuss whether changes to SCE's standards or policies are needed to correct any issues. Additionally, SCE will periodically supplement its FIPA analysis by reviewing fault data, repair notification and wire downs to evaluate whether the grid monitoring mitigations are operating as intended. In addition, SCE will periodically review other fault data not captured in the FIPA process to evaluate whether the grid monitoring mitigations are operating as intended.

8.3.3.5 Enterprise System for Grid Monitoring

In this section, the electrical corporation must provide an overview of its enterprise system for grid monitoring. This overview must include discussion of:

- *Any database(s) used for storage*
- *Describe the electrical corporation's internal documentation of its database(s)*
- *Integration with systems in other lines of business*
- *Describe any QA/QC or auditing of its system*
- *Describe internal processes for updating the enterprise system including database(s)*
- *Any changes to the initiative since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation*

Several systems support the technologies described above. The supporting systems are listed below, and support the following technologies:

- PSPS-related situational awareness and decision-making: Supported by the Integrated PSPS Event Management System (iPEMS) and Centralized Data Platform (CDP).
- TOPD, DOPD, Hi-Z, REFCL, and Fast Curve Settings: Supported by the Protective Relay Database (Aspen) and the SCADA Historian.
- MADEC and Transformer EDD: Hosted on Splunk.

8.3.3.5.1 The Integrated PSPS Event Management System (iPEMS)

The iPEMS software application was created to efficiently manage Public Safety Power Shutoff (PSPS)

events by integrating electric grid and weather station information on a single platform for effective decision-making. iPEMS consolidates several legacy tools into a simplified cloud-based application by taking inputs from Weather Stations, other Grid Monitoring Systems, and Fire Risk Calculation sources to provide situational awareness for potential PSPS de-energizations and track decision-making for de-energizing and restoring circuits during PSPS events.

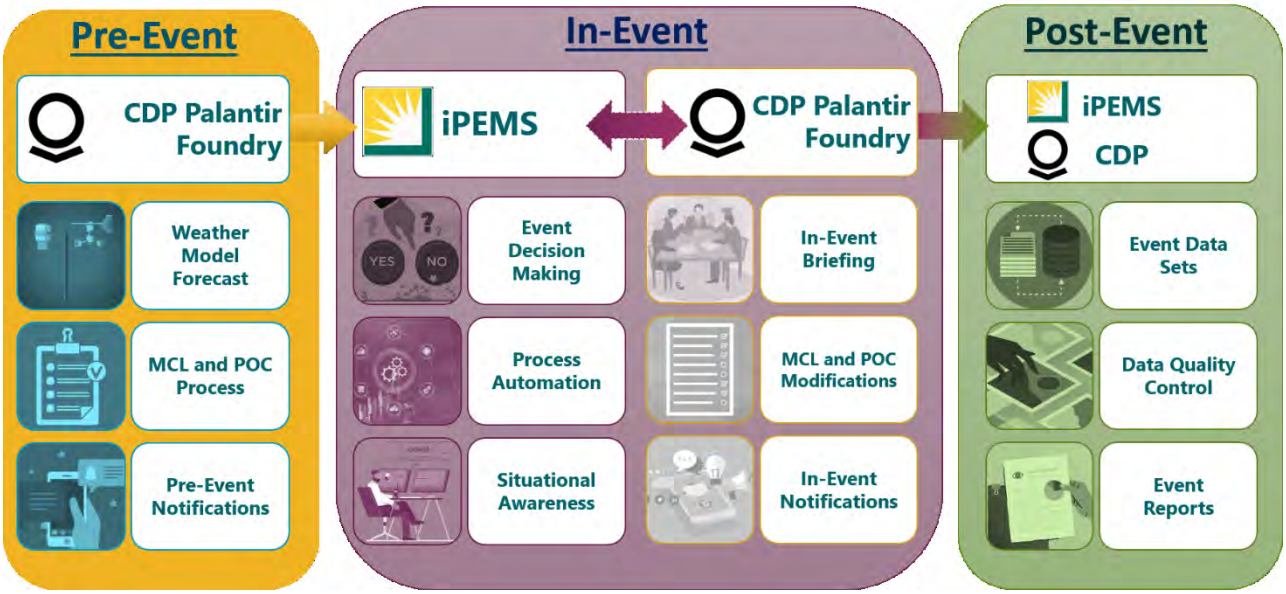
- *Any database(s) utilized for storage*: iPEMS uses NoSQL data (blobs and tables) spread out over seven storage accounts.
- *Describe the utilities internal documentation of its database(s)*: iPEMS is hosted by an Azure cloud-based application. The documentation is contained within SCE Azure documentation and iPEMS Solution Architecture Document.
- *Integration with systems in other lines of business*: iPEMS integrates with CDP, Outage Management System (OMS), eDNA historian, Survey 123, SCE's Geographic Information Systems (GIS), Weather Services, and Fire Science Analytical Service.
- *Describe any QA/QC or auditing of its system*: iPEMS ingests data from other systems, which are subject to their own QC. For example, internal operational datasets in these other systems are validated and QC'd using built-in reasonability logic and user interface indications of potential data discrepancies. While there is no ongoing QA/QC of iPEMS after deployment, SCE conducts extensive user acceptance testing when new versions of iPEMs are deployed and makes developer support available during PSPS events to address any bugs that are identified.
- *Describe internal processes for updating enterprise system including database(s)*: iPEMS utilizes Azure for its platform. Updates to the platform are performed by the vendor, and SCE validates functionality through user acceptance testing.
- *Any changes to the initiative since the last WMP submission and a brief explanation as the why those changes were made. Include any planned improvements or updates to the initiative and timeline for implementation*: Since the last WMP submission in 2022, SCE matured its iPEMS system capability to increase focus on supporting in-event PSPS decision-making. This means that PSPS pre-event considerations—such as the Risk Comparison Tool described in 2022 WMP under iPEMS[240]—are now managed under the CDP instead of iPEMS.[241] While the CDP supports all three phases of a PSPS event, the CDP system is primarily used now to provide support for PSPS pre-event and post-event data processing and analyses.

The types of iPEMS and CDP system support for each of three phases of a PSPS event are described in Figure SCE 8-50, below. During the Pre-Event phase, the CDP system stores and processes information that will help identify the specific circuits (Monitored Circuit List, or MCL) and potential timeframe (Period of Concern, or POC) in scope for potential de-energization and prepare pre-event PSPS notifications, as applicable. During the In-Event phase, iPEMS utilizes real-time grid and weather station monitoring and other situational awareness tools to inform PSPS decision-making about whether or not

[240] See Section 8.1.1 of SCE's 2022 Wildfire Mitigation Plan Update, p. 521.
[241] See the section following (8.3.3.5.2) for a detailed description of the CDP.

to de-energize or re-energize circuits on the MCL during the POC timeframes. iPEMS also provides the threshold information necessary to trigger any in-event notifications. Meanwhile, the CDP system documents any changes to the MCL or the POC due to weather model forecasts and builds notification campaigns to execute in-event notifications, as needed. In the Post-Event phase, CDP is used to perform data quality control and generate post-event reports. Information about PSPS decision-making, that are stored in iPEMS, is shared with CDP and is used to contribute to event reports and analyses.

Figure SCE 8-50 - Systems Support for PSPS Events



To improve the efficiency and performance of PSPS data systems, SCE plans to improve the collection frequency of weather station reads, integrate Smart Meter data sets, and enhance the ability to integrate with future grid operational systems. SCE also plans to reduce system processing time through automation, including time for processing PSPS notification campaigns, and to work towards integration of its CDP and iPEMS systems, where feasible. The specific timeline and details around these improvements are noted below:

- In 2023, SCE will work to improve the sampling frequency of SCE weather stations in the iPEMS application for enhanced situational awareness by piloting technology that can help reduce the data retrieval times from once every ten minutes to once every thirty seconds as observed winds speeds near PSPS thresholds for de-energization.
- In 2023, SCE will work to automate several PSPS operational processes within CDP and iPEMS, including processes that initiate customer notifications and restoration activities.
- In 2024 and 2025, SCE plans to enhance iPEMS' ability to integrate Smart Meter data (e.g., Advanced Metering Infrastructure [AMI]) for enhanced situational awareness. Whereas SCE currently relies on its list of de-energized and re-energized circuits to understand customer impacts from a PSPS event, the smart meter information collected improves SCE's understanding of the exact times that customers experienced a PSPS de-energization and validate when restoration has occurred.
- In 2024 and 2025, SCE will work to enhance iPEMS' ability to integrate with new grid operational systems (e.g., Advanced Distribution Management System [ADMS], GMS, PI Historian, etc.) that are being introduced.
- SCE will continue to investigate potential integration opportunities between iPEMS and CDP to increase efficiencies between the systems, where feasible.

8.3.3.5.2 Consolidated Data Platform (CDP)

The CDP organizes data about PSPS functionality such as pre- and in-event notifications, data centralization, data management (e.g., modeling, semantics, clean-up, and validation), event analytics and reporting and process automation (e.g., elimination of manual hand-offs between different software programs by replacing those programs with one data platform).

- *Any database(s) utilized for storage*: The CDP's PSPS Data is stored on the Palantir Foundry Product on the Amazon Web Services (AWS) Platform.
- *Describe the utilities internal documentation of its database(s)*: The data ontology and data objects are built into the Foundry Platform. The application solution design and all other database design aspects are documented in the Solution Architecture Document.
- *Integration with systems in other lines of business*: PSPS CDP integrates with iPEMS, OMS, Weather Forecasting, Message Broadcast, Everbridge, Operational GIS Data Store (ODS), and SAP High Performance Analytic Appliance (HANA).
- *Describe any QA/QC or auditing of its system*: QA is performed during product updates, as described in the next response below.
- *Describe internal processes for updating enterprise system including database(s)*: SCE is utilizing the Palantir Foundry platform as the core technology components for PSPS CDP. The vendor is responsible for updating the product (including databases) on a regular basis. When these updates are available, SCE validates the functionality end to end with regression and user acceptance testing to ensure everything works as expected. Any bugs found are communicated back to the vendor to be fixed and retested. Once the testing is completed and passed, the new functionality is migrated to our production environment.
- *Any changes to the initiative since the last WMP submission and a brief explanation as the why those changes were made. Include any planned improvements or updates to the initiative and timeline for implementation*: Please see response to this prompt in the section above, 8.3.3.5.1, for a description of updates to the CDP since the last WMP.

8.3.3.5.3 SCADA Historian

SCE uses eDNA and OSI PI as historians for its Grid Monitoring Systems. These historians capture analog values for grid parameters including voltage, current, and power flow, as well as device status changes (e.g., Circuit Breaker Open/Close, relay actuation).

- *Any database(s) utilized for storage:* SCE uses both the eDNA and PI System for historization of power system data, which is maintained at full fidelity in real time. Since the eDNA product has an upcoming end of life of 2026, SCE is moving to the PI System for all SCADA data.
- *Describe the utilities internal documentation of its database(s):* The systems are documented in accordance with standard IT governance for support, approval of change, and end user access.
- *Integration with systems in other lines of business:* The eDNA and PI historians capture data from SCE's SCADA systems (i.e., EMS and DMS and non-SCADA transformer data for Dissolved Gas Analysis. The current system is integrated with an enterprise analytics platform. The PI System has an integrated analytics platform.

- *Describe any QA/QC or auditing of its system:* The PI and eDNA Systems were tested in accordance with SCE's IT governance prior to being placed into production and is monitored on a daily basis with a variety of monitoring tools, including applications monitoring data flow from various collection points to the historian servers, Windows Performance counters for data center machines, and dedicated dashboards to monitor system health. This is in addition to standard SCE tools monitoring basic server health.
- *Describe internal processes for updating enterprise system including database(s):* Historian applications are updated and/or enhanced in response to SCE's technical and business needs. OSI PI replaced eDNA as the historian for the SCE Distribution System outside the Substations in 2022 and will become the historian system for all Distribution voltages inside and outside the substations upon deployment of the Grid Management System (GMS) in 2024.
- *Any changes to the initiative since the last WMP submission and a brief explanation as the why those changes were made. Include any planned improvements or updates to the initiative and timeline for implementation:* Not applicable, as this is a new section for the WMP.

8.3.3.5.4 Protective Relay Database (Aspen)

Aspen is an application used to store relay information.

- *Any database(s) utilized for storage:* Aspen uses an Oracle database to store information about a relay's name, ID, type, setting, link and activity.
- *Describe the utilities internal documentation of its database(s)*: The systems are documented in accordance with standard IT governance for support, approval of change and end user access.
- *Integration with systems in other lines of business*: Aspen has interfaces with Doble, Master Data Governance (MDG), and SAP.
- *Describe any QA/QC or auditing of its system:* As Aspen is classified as a NERC CIP application; changes are tested by end users prior to being placed in production.
- *Describe internal processes for updating enterprise system including database(s)*: Aspen is not updated unless required by a business need.
- *Any changes to the initiative since the last WMP submission and a brief explanation as the why those changes were made. Include any planned improvements or updates to the initiative and timeline for implementation*: Not applicable, as this is a new section for the WMP.

8.3.3.5.5 Splunk

The MADEC and Transformer EDD applications run in Splunk.

- *Any database(s) utilized for storage:* Splunk stores data in a proprietary storage system called "index," based upon flat files.
- *Describe the utilities internal documentation of its database(s):* SCE does not have internal documentation. Splunk documentation is available online from the vendor.
- *Integration with systems in other lines of business:* Splunk uses feeds from the smart meter exception data to send email/text alerts or uses scripts to route meter data to other systems, e.g., sending a MADEC to EMS alert.
- *Describe any QA/QC or auditing of its system:* Data is not generated in Splunk. Data is ingested from various sources with source QCs.
- *Describe internal processes for updating enterprise system including database(s)*: Splunk is upgraded regularly by the Splunk team based upon new vendor releases offering functionality improvements or based upon security fixes.
- *Any changes to the initiative since the last WMP submission and a brief explanation as the why those changes were made. Include any planned improvements or updates to the initiative and timeline for implementation*. Not applicable, as this is a new WMP section in 2022.

8.3.3.5.6 Early Fault Detection (EFD) Data Storage

Data from EFD (SA-11) are stored and managed in a data storage system.

- *Any database(s) utilized for storage:* SCE uses a cloud-based data storage system used for EFD data collection, analysis, and storage. Each EFD installation reports discharge activity that is detected and incorporated by the vendor into proprietary algorithms. SCE then accesses the data via an online user interface which turns the detection data into the information that can be assessed for potential system degradation or defects. When defects or degradation is detected by EFD, SCE follows present processes for creating repair notifications in existing repair databases that are tracked in SAP.
- *Describe the utilities internal documentation of its database(s)*: Documentation is maintained by the vendor for the database. SCE user documentation of the system has not been formalized although with broader EFD deployment additional documentation will be needed around use of the new web portal system anticipated in 2024.
- *Integration with systems in other lines of business:* This is a standalone system with no integration to other SCE systems. Future capabilities may include integration with SCE's GIS. EFD equipment itself must also be inspected and includes maintenance of the equipment such as battery replacement. The EFD hardware is being incorporated into SCE's maintenance plans in SAP.
- *Describe any QA/QC or auditing of its system:* SCE regularly reviews the EFD database to confirm its accuracy and may identify system improvements. One recent improvement in the QC process is related to phasing of the conductors for the sensor installations. The initial EFD hardware did

not have the data capabilities to check the accuracy of phasing. Although SCE has not observed any phasing issues to date (as of December 2022), to remedy this concern and others, the present hardware now includes the capability to check the accuracy of phasing connection for each EFD sensor. Should a problem be identified, it is then reported to SCE, and can either be remedied in software changes or physically in the field with sensor placement.

- *Describe internal processes for updating enterprise system including database(s)*: EFD data storage is presently a standalone application that will only be updated in response to EFD needs. When new EFD devices are installed, SCE's vendor, who hosts the EFD database, will identify an EFD unit as online when the device connects to a cellular network and transmits the device's activation and location information. SCE will then perform an end point test on the device in order to log the device as complete in the system. This process ensures that the device is included in the data system and algorithm for monitoring.
- *Any changes to the initiative since the last WMP submission and a brief explanation as the why those changes were made. Include any planned improvements or updates to the initiative and timeline for implementation:* Not applicable, as this is a new section for the WMP.

8.3.4 Ignition Detection Systems

The electrical corporation must describe its systems, technologies, and procedures used to detect ignitions within its service territory and gauge their size and growth rates.

- *The electrical corporation must document the following:*
- *Existing ignition detection sensors and systems*
- *Evaluation and selection of new ignition detection systems*
- *Planned integration of new ignition detection technologies*
- *Monitoring of mitigation improvements*

Reference the Utility Initiative Tracking ID where appropriate.

8.3.4.1 Existing Ignition Detection Sensors and Systems

The electrical corporation must report on the sensors and systems, technologies, and procedures for ignition detection that are currently in use, highlighting any improvements made since the last WMP submission. At a minimum, the electrical corporation must document the deployment of each of the following:

- *Early fire detection including, for example:*
    - *Satellite infrared imagery*
    - *High-definition video*
    - *Infrared cameras*
- *Fire growth potential software*

The electrical corporation must summarize each system in Table 8-29 below. It must provide the following additional information for each system in an accompanying narrative:

- *General location of detection sensors (e.g., HFTD or entire service territory)*
- *Resiliency of sensor communication pathways*
- *Integration of sensor data into machine learning or AI software*
- *Role of sensor data in risk response*
- *False positives filtering*
- *Time between detection and confirmation*
- *Security measures for network-based sensors*

While SCE is not a fire suppression agency, it does maintain various technologies and systems that can help confirm ignition and gauge their size and/or growth rates. These tools help to monitor and evaluate weather and climate conditions for the purpose of understanding ignition potential and consequence, which informs a range of short-and long-term mitigations such as PSPS, inspections, and grid hardening. As such, SCE summarizes each of its applicable systems in the table below.

Table 8-29 - Fire Detection Systems Currently Deployed

Detection System	***Capabilities***	***Companion Technologies***	***Contribution to Fire Detection and Confirmation***
HD Cameras (SA-10)	Real-time viewing of remote areas to confirm smoke and wildfires	Used with Artificial Intelligence satellite imagery for fire confirmation	SCE partners with University of California, San Diego (UCSD) to install HD cameras on non-SCE infrastructure, such as a communications towers, in locations where its Fire Science Team, Fire Management Team, IMT and fire agencies have previously identified gaps in the spatial data related to fire detection.
Satellite & Other Imaging Technology (SA-10)	Resolve gaps in SCE's spatial data and provide improved fire confirmation capabilities.	Used with HD Cameras for fire confirmation	Satellite & Other Imaging fire confirmation will be used with the current fire confirmation capabilities provided by UCSD. The Satellite detection will provide full coverage of the SCE territory and work as tool to

Detection System	*Capabilities*	*Companion Technologies*	*Contribution to Fire Detection and Confirmation*
			help confirm fires on the HD camera system.
Fire Spread Modeling (SA-8)	SCE plans to use advanced fire spread modeling tools—Technosylva's FireCast and FireSim applications—to predict fire spread and consequence outputs such as fire perimeter size, structures impacted, populations affected, and injury and death	N/A	Ability to estimate the impacts that fire activity will have on a particular area (i.e., wildfire consequences).

Additional information for each of its system is detailed below.

8.3.4.1.1 HD Cameras (SA-10)

HD camera installations address areas for improvement in SCE's spatial data and provides improved fire confirmation capabilities. To support situational awareness with respect to fuel conditions, help inform PSPS decision-making, and have the ability to confirm smoke and/or fire in a location via an Artificial Intelligence pilot, SCE maintains a network of 182 HD cameras installed through University of California, San Diego's (UCSD's) AlertCalifornia (formerly AlertWIdlfire) system. The live data feeds aide in faster information gathering for fire location and possible direction of growth. This information is imperative for SCE asset protection as well as for fire departments to assess resource deployment.

SCE has observed areas for improvement in its ability to view certain parts of its service area, including locations where SCE infrastructure cannot currently be seen, and in communities that intersect mountainous terrain. Left unaddressed, these blind spots could compromise SCE's ability to provide adequate and timely response for asset protection from fires and to help supplement fire response efforts and coordinate with fire response agencies. SCE's 2023-2024 HD camera installations will help improve SCE's spatial data and provide improved fire confirmation capabilities.

Highlight any improvements made since the last WMP submission

SCE has installed 16 additional cameras in 2022, to address areas for improvement described above. In partnership with UCSD, SCE continues to pilot artificial intelligence (AI) that utilizes the cameras data feeds to alert a specific camera location so personnel can better assess real-time conditions of a fire (i.e., location, growth potential, nearby SCE assets, possible communities in danger, fire department

resource deployment). The primary goal of the AI is for fire fighting agencies to subscribe to alerts in their respective areas for greater situational awareness in fighting fires. An ancillary benefit for utilities as the camera sponsors, are to be informed of confirmed fires in or around SCE infrastructure to assist with asset protection.

General location of detection sensors (e.g., HFTD or entire service territory)

SCE partners with UCSD to install HD cameras in locations where its Fire Science Team, Fire Management Team, IMT and/or fire agencies provide insight for rural areas needing viewshed to assist in confirming the start of a fire. UCSD installs on towers of opportunity in these remote locations, such as shared communication towers or county owned communication towers. Cameras are not installed on SCE-owned infrastructure. The number and location of future installations will be based on requests by SCE's fire science, fire management, IMT teams or by fire agencies. To fulfill these requests, SCE is forecasting to install at least 10 and up to 20 HD cameras per year through 2024, based on need.

Resiliency of sensor communication pathways

The HD Camera communication pathways are provided through UCSD. UCSD secures network connections through wireless internet service providers which are available at the location of installation. Not every camera is on the same communication path network. UCSD monitors the connectivity and is responsible for connectivity maintenance and any necessary break fix. UCSD allows SCE access to the HD camera status page in order to view the connectivity status.

Integration of sensor data into machine learning or AI software

SCE has partnered with UCSD to allow access to SCE cameras for AI software development. SCE is currently receiving alerts from a pilot UCSD is conducting with an AI software company. SCE provides feedback on alerts to better train and grow the AI software.

Role of sensor data in risk response

HD Cameras are not sensors, per se, however the live feeds that are provided from the cameras provide direct indication for wildfire conditions and ignition propagation. These confirmation capabilities can be enhanced through the use of AI to send alerts to fire agencies to inform of early-stage ignitions. The confirmation capabilities and AI alerts provide situational awareness to better inform decision making post ignition.

False positives filtering

Upon receiving notifications, SCE personnel view for situational awareness and decide if an alert needs to be investigated or any further actions taken. Amongst the alerts, false positives are seen where further action is not needed and the alert is dismissed.

Time between detection and confirmation

Artificial Intelligence (AI) is used primarily to confirm the existence of a fire. SCE does not use the AI to detect fire starts therefore SCE does not track time stamping of the alert notifications. The AI will alert of a potential fire or a confirmed fire.

Security measures for network-based sensors

SCE relies on the vendor UCSD to keep the data feeds secure. SCE accesses the cameras through the

vendor provided website, https://AlertCA.live which is available to the public.

8.3.4.1.2 Satellite & Other Imaging Technology (SA-10)

Satellite and other imaging technology can be used to help determine the point of ignition origin and perform threat assessments, among other information that can be derived from having an overhead or aerial view of the fires. SCE uses this technology to confirm and follow changes in fire locations and the spread of a fire. SCE will communicate that information with stakeholders and SCE resources impacted by the area of threat. This technology will allow SCE to reduce the impact of wildfire, though quantifying the reduction will be difficult to ascertain.

Highlight any improvements made since the last WMP submission

SCE created a map on its website for customer to view fire detection from public satellites along with fire perimeters from local fire agencies, which includes weather station observation from the National Weather Service.[242] This SCE website provides customers and other stakeholders with increased situational awareness.

General location of detection sensors (e.g., HFTD or entire service territory). The technology produces an output that covers the entire SCE service area.

Resiliency of sensor communication pathways

Communication pathways are control by NOAA and NASA since this is a government owned satellite system.

Integration of sensor data into machine learning or AI software

Satellite fire confirmation capabilities will be integrated in the current fire conformation technology being used by SCE that UCSD is providing. This service will add additional notification and confirmation abilities.

Role of sensor data in risk response

Sensor provides increased coverage for wildfire detection within the SCE service territory. This increases the ability to reduce risk by increasing fire conformation coverage capabilities across the SCE territory.

False positives filtering

False positives are filtered out by the algorithm that will provide the alert of a possible wildfire. False positives will still occur as this is a new technology being used within SCE. The AI software for the HD cameras will be used for fire conformation.

Time between detection and confirmation

Satellite & Other Imaging will be used primarily to confirm or track the existence of a fire by SCE or local fire agencies. SCE will not use the Satellite & Other Imaging to detect fires therefore SCE will not track detection and confirmation. Fire Confirmation will depend on the geographic location of the detection and view shed of any existing alert wildfire camera to confirm this detection. Some detections will not

[242] See https://www.sce.com/wildfire/situational-awareness

be within the view of the cameras and will need to be confirmed by local fire agencies.

Security measures for network-based sensors

Sensors from the satellite detection is operated and managed by the United States' National Oceanic and Atmospheric Administration (NOAA)'s National Environmental Satellite, Data, and Information Service division. No sensor will be placed within the SCE network, system or assets.

8.3.4.1.3 Fire Spread Modeling (SA-8)

SCE plans to use advanced fire spread modeling tools—Technosylva's FireCast and FireSim applications—to simulate fire ignitions and subsequent consequences such as fire perimeter size, structures impacted, populations affected, and potential fatalities. SCE's Fire Science team will continue to evaluate the output to help ensure that FireCast and FireSim are suitable tools for accurately estimating fire consequences.

In 2022, Technosylva began estimating the number of buildings destroyed as one of its metrics. In addition, they created a metric that evaluates response complexity as a proxy to address wildfire suppression. In 2023, SCE will work with Technosylva to build upon these newly created metrics to more accurately reflect the number of buildings destroyed by wildfire and the ability to predict resource response. This will include an analytical study detailing circuits having met consequence criteria which will enable the Fire Science team to more adequately address any potential inaccuracies in the output.

Highlights since last WMP submission

In 2022 and under the direction of SCE, Technosylva developed the Buildings Destroyed metric and the Response Complexity Metric to address known deficiencies in the fire spread modeling consequence processes. In addition, Fire Sciences evaluated the performance of the deliverables from Technosylva which included the Building Loss Factor Metric, the Response Complexity Metric (previously referred to as Suppression Effectiveness), the Extended Attack Index, the Custom Fuels Atlas, and the WRRM Historical Percent Daily Forecast Integration. Specifically, the Building Loss Factor and the Response Complexity metrics were reviewed in the Fall of 2022 to determine their ability to properly inform PSPS decision-making. Although the addition of the two metrics in 2022 further improves fire spread modeling, more analysis and refinement to the metrics from 2023 through 2024 will be needed before anticipated integration into PSPS decision-making by the end of 2025.

General location of detection sensors (e.g., HFTD or entire service territory)

The Technosylva output covers SCE's HFRA plus a 20-mile buffer.

Resiliency of sensor communication pathways

N/A – This technology does not use sensors.

Integration of sensor data into machine learning or AI software

N/A – This technology does not use sensors.

Role of sensor data in risk response

N/A – This technology does not use sensors.

False positives filtering

N/A – This technology does not use sensors.

Time between detection and confirmation

N/A – This technology does not detect ignitions.

Security measures for network-based sensors

N/A – This technology does not use sensors.

8.3.4.2 Evaluation and Selection of New Detection Systems

The electrical corporation must describe how it evaluates the need for additional ignition detection technologies. This description must include:

- *How the electrical corporation evaluates the impact on new detection technologies on reducing and improving detection and response times*
- *How the electrical corporation evaluates the efficacy of new technologies*
- *The electrical corporation's budgeting process for new detection system purchases*

SCE consults with external agencies, such as fire agencies, to determine additional fire confirmation technology needs. As discussed in Section 8.3.4.1, SCE partners with other entities for its fire confirmation systems and capabilities, such as UCSD's Alert California system and NOAA and NASA's satellite system. Any needs identified by SCE or fire agencies are reviewed and approved collaboratively.

How the electrical corporation evaluates the impact on new detection technologies on reducing and improving detection and response times.

SCE evaluates the impact of new ignition confirmation technologies by first proving out the use case for the technology with small case studies or limited deployment of the system or technology. SCE then assesses the new technology or system to see if there are quantifiable impacts on its or fire agencies' abilities to confirm ignitions. SCE notes that it is not a fire suppression agency and therefore focuses efforts on methods to support customer safety, grid resiliency, and the ability for fire suppression agencies to respond to wildfires.

How the electrical corporation evaluates the efficacy of new technologies

SCE evaluates the efficacy of new ignition confirmation technology by, as described above, assessing if it is useful for fire mitigation efforts and to inform analyses of the service territory, fire risk, and provide situational awareness, in addition to operational decision making, including but not limited to PSPS. In addition to the assessment described above, SCE also consults with fire agencies for their own assessments of the efficacy of new technologies.

The electrical corporation's budgeting process for new detection system purchases

As indicated above, SCE partners with external agencies to determine additional ignition confirmation needs. Once a need is identified and confirmed, SCE's share of the cost is reviewed and approved by SCE's internal approval process, which includes review by a variety of stakeholders, such as SCE's wildfire strategy and enterprise risk management groups, in addition to senior management.

8.3.4.3 Planned Integration of New Ignition Detection Technologies

The electrical corporation must provide an implementation schedule for new ignition detection and alarm system technologies. This must include any plans for the following:

- *Integration of new systems into existing physical infrastructure*
- *Integration of new systems into existing data analysis*
- *Increases in budgets and staffing to support new systems*

For each new technology system, the electrical corporation must provide the following in Table 8-30:

- ***Description:** A description of the technology's capabilities*
- ***Impact:** A description of the impact the technology will have on each risk and risk component*
- ***Prioritization:** A description of the x% risk impact (see Section 8.1.1.2 for explanation)*
- ***Schedule:** A description of the planned schedule for implementation*

Please see the table below for SCE's implementation schedule for new ignition confirmation system technologies.

Table 8-30 - SCE's Planning Improvements to Fire Detection and Alarm Systems

System	*Description*	*Impact*	*x% Risk Impact*	*Implementation Schedule*
HD Cameras and Satellite & Other Imaging (SA-10)	SCE plans to support UCSD's planned integration of satellite & other imaging technology into the Alert CA HD camera network	An integrated system of HD Cameras and Satellite & Other Imaging technology will enhance SCE's situational awareness by providing additional fire confirmation abilities	Please See Table 8-23 for risk impact information	End of 2025

8.3.4.4 Evaluating Mitigation Initiatives

The electrical corporation must describe its procedures for the ongoing evaluation of the efficacy of its fire detection systems.

SCE's procedures for the ongoing evaluation of the efficacy of its ignition confirmation technologies include reviewing how HD cameras and Satellite & Other Imaging technology are used and that its fire spread modeling provides essential information to aide in SCE's decision-making process. SCE evaluates the efficacy of HD cameras and Satellite & Other Imaging based on the amount of usage of the SCE networks, feedback from the SCE Fire Management Team, and feedback from firefighting agencies. SCE's ignition confirmation systems and processes are useful for fire mitigation efforts and to inform assessments of the service territory, fire risk, and provide situational awareness, in addition to operational decision making, including but not limited to PSPS.

The HD Cameras and Satellite & Other Imaging technology are viewed on a near daily basis by SCE Fire Science and SCE Fire Management Officers. Fire Agencies also routinely use the cameras and have provided positive feedback to SCE's Fire Management Officers and UCSD. Efficacy can also be determined by the expansion of the Alert California system. The camera network has undergone user interface improvements and other agencies, including the US Forest Service and CalFire, continue to install cameras across California, in addition to SCE. The growth of the camera network platform and Satellite & Other Imaging technology helps to validate the efficacy of these technologies and confirm they are fulfilling their intended purpose.

SCE's ignition confirmation systems provide essential information to aide in fire mitigation efforts, but do not directly influence wildfire risk drivers. For example, HD Cameras have proven useful in fire mitigation efforts by providing live views of fires for fire management officers to use for situational awareness. SCE fire management officers heavily rely on the HD cameras and are one of the most frequent users of the network. SCE fire management officers are able to view the proximity of a fire to SCE infrastructure and help direct asset protection efforts. Fire departments also utilize the HD Cameras to be able to help identify smoke, fire location, size of fire, direction of fire, direct response efforts, possible growth potential etc.

SCE measures the efficacy of its fire spread model by its application and use for decision marking. First, fire spread modeling is used extensively alongside historical data to help identify areas that have the greatest wildfire risk. This information is used to help prioritize various mitigation activities such as installing covered conductor, undergrounding, etc. Second, fire-spread modeling is used in real-time ahead of a PSPS event to populate SCE's In-Event Risk Calculator. This allows SCE to determine the risk associated with a wildfire occurring versus the risk associated with de-energization. Third, projections of fire size potential in real-time are used to help brief external partners during PSPS events. This information becomes very useful for explaining why certain areas are being considered for potential de-energization. Lastly, fire spread modeling is used in real-time to model new and on-going wildfire incidents. This helps SCE understand how the fire will spread and how its assets may be impacted and when.

8.3.4.5 Enterprise System for Ignition Detection

In this section, the electrical corporation must provide an overview of its enterprise system for ignition detection. This overview must include discussion of:

- *Any database(s) used for storage.*
- *Describe the electrical corporation's internal documentation of its database(s).*
- *Integration with systems in other lines of business.*
- *Describe any QA/QC or auditing of its system.*
- *Describe internal processes for updating the enterprise system including database(s).*
- *Any changes to the initiative since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation.*

SCE does not use any enterprise systems for ignition detection or confirmation. As discussed in Section 8.3.4.1, SCE partners with UCSD for its camera database systems. SCE uses Technosylva servers and databases for its fire spread modeling. SCE does not store its fire spread models.

There are no changes to SCE's approach of using third party vendor for its databases for its ignition confirmation systems since SCE's last WMP submission. SCE does not have plans for changes to this approach in the future.

8.3.5 Weather Forecasting

The electrical corporation must describe its systems and procedures used to forecast weather within its service territory. These forecasts should inform the electrical corporation's near-real- time-risk assessment and PSPS decision-making processes. The electrical corporation must document the following:

- *Its existing modeling approach*
- *The known limitations of its existing approach*
- *Implementation schedule for any planned changes to the system*
- *How the efficacy of systems for reducing risk are monitored Reference the Utility Initiative Tracking ID where appropriate.*

8.3.5.1 Existing Modeling Approach

At a minimum, the electrical corporation must discuss the following components of weather forecasting:

- ***Data assimilation** from environmental monitoring systems within the electrical corporation service territory*
- ***Ensemble forecasting** with control forecast and perturbations*
- ***Model inputs** including, for example:*
    - *Land cover / land use type*

- *Local topography*

- ***Model outputs*** *including, for example:*
  - *Air temperature*
  - *Barometric pressure*
  - *Relative humidity*
  - *Wind velocity (speed and direction)*
  - *Solar radiation*
  - *Rainfall duration and amount*
- ***Separate modules*** *(e.g., local weather analysis and local vegetation analysis)*
  - *Subject matter expert (SME) assessment of forecasts*
  - *Spatial granularity of forecasts including:*
  - *Horizontal resolution*
  - *Vertical resolution*
- ***Time horizon*** *of the weather forecast throughout the service territory*

The electrical corporation must highlight improvements made to the electrical corporation's weather forecasting since the last WMP submission.

The electrical corporation must also provide documentation of its modeling approach pertaining to its weather forecasting system in accordance with the requirements in Appendix B.

Data assimilation

SCE uses new weather forecast information from either in-house model systems or public weather data from vendors at a frequency of up to every hour. SCE's in-house models are generated by downscaling initial conditions provided by various government agencies described in 8.3.5.2 twice per day. Additionally, during high-impact events, meteorologists consult rapidly-updating forecasts from the High Resolution Rapid Refresh (HRRR) model that is generated every hour by the National Centers for Environmental Prediction (NCEP). SCE weather station observations are also shared into the Meteorological Assimilation Data Ingest (MADIS) system used by the National Weather Service to integrate observations into their models that are received by SCE.

Ensemble Forecasting

SCE creates an ensemble forecast consisting of 18 individual Weather Research and Forecasting (WRF) model solutions. The ensemble members are developed by using multiple model initial and boundary conditions sources, multiple physics parameterization choices, and multiple grid lengths. Physics parameterization selections within the control and ensemble models are listed in the table below. Initial and boundary conditions for the ensemble models are provided by the NCEP Global Forecast System (GFS), NCEP North American Mesoscale Model (NAM), and the European Centre for Medium-range Weather Forecasts (ECMWF) Integrated Forecast System (IFS; i.e., European Global Weather Model).

The control model is initialized using the GFS. Model grid length is described later in this section. More detail on the physics choices can be found in the WRF users guide published by the National Center for Atmospheric Research https://www2.mmm.ucar.edu/wrf/users/docs/user_guide_v4/.

Table SCE 8-14 - Summary of WRF Model Physics Configurations

Physics Parameterization Selections	Control Model (Deterministic WRF)	Ensemble Perturbations
Cloud Physics	Morrison	Morrison, New Thompson, Eta
Boundary Layer Physics	MYNN3	MYNN, MYNN3, YSU, Shin-hong, MYNN2.5
Surface Layer Physics	MYNN	MYNN, Revised MM5
Shortwave Radiation	New Goddard	New Goddard, RTTMG, CAM
Longwave Radiation	New Goddard	New Goddard, RTTMG, CAM
Land Surface Model	NoahMP	NoahMP

Model Inputs

The following are input of SCE's weather and fuels modeling

- **Operational and historical Weather Research and Forecasting Model Inputs**
  - Operational forecast models are driven by upper-level weather conditions, surface weather conditions from the GFS, NAM, and ECMWF initial and boundary conditions with soil moisture estimates from the NASA SPoRT dataset.
  - Historical reanalysis data stored within SCE's Data Manager tool is initialized from the NCEP Climate Forecast System Reanalysis (CFSR)
- **Machine Learning**
  - Multiple fields from the control WRF model including:
    - Surface wind speed
    - Surface wind direction
    - Surface dew point temperature
    - Friction velocity (a measure of the degree of turbulence and mixing)
    - Terrain roughness

        - Surface temperature gradient
        - Surface wind speed gradient
        - Wind speed (at 500 m, 1000 m, and 1500 m above ground level (AGL))
        - Wind direction (at 500 m, 1000 m, and 1500 m AGL)
        - Temperature (at 500 m, 1000 m, and 1500 m AGL)
    - Historical weather station observations
- **Fuels Model**
    - Machine Learning model utilizing WRF weather model output to approximate live fuel moisture.

Model outputs

The following are outputs of SCE's weather and fuels modeling:

- Air temperature
- Mean Sea Level Pressure
- Relative humidity
- Wind velocity (speed and direction)
- Incoming shortwave radiation
- Geopotential Heights
- Omega (vertical velocity)
- Absolute Vorticity
- Dead Fuel Moisture
- Live Fuel Moisture
- Normalized Difference Vegetation Index
- Energy Release Component
- Burning Index
- Spread Component
- Ignition Component
- Keetch-Byram Index
- Growing Season Index
- Large Fire Potential Weather Component
- Large Fire Potential Fuel Moisture Component

- Greenness
- Convective Available Potential Energy
- Lifted Index
- Total Totals
- Rainfall
- Snow water equivalent
- Precipitable Water
- Peak 15 min rainfall accumulation
- Low, Mid, and High Cloud Cover
- Soil moisture
- Soil temperature
- Probability of exceeding sustained wind speed thresholds
- Probability of exceeding gust wind speed thresholds
- Weather Score component of the Fire Potential Index
- Fire Potential Index

Separate modules (e.g., local weather analysis and local vegetation analysis)

The Weather Research and Forecast (WRF) model deployed by SCE for its in-house weather modeling system is comprised of several separate modules that can be customized around forecast accuracy. These include the choice of initial and lateral boundary conditions, the underlying terrain resolution, and each of the physics parameterizations specified in Section 8.3.5.1.2. While each of these represent individual modules, they are linked within the WRF framework such that regardless of the module settings used to create a final forecast, a set of standard WRF output is created thereby providing flexibility in the form of allowing SCE to tailor "module" choice for improved forecast accuracy. This framework also allows SCE and its vendors to quickly test new module options as they become available from the research community. The initial and lateral boundary conditions provide information on both the synoptic and mesoscale weather features that will be impacting the SCE territory, which are then downscaled within the WRF model to finer detail. Inclusive in the WRF model solution is a module known as the planetary boundary layer scheme, which is responsible for including the impacts of large eddy scale weather on the overall weather solution as well as the land surface module responsible for including the impacts of local topography and land cover on the weather forecast.

Separate from SCE's numerical weather prediction system described above is SCE's machine learning forecast module. The machine learning module leverages the output from the numerical weather prediction system as input and then removes forecast biases from these inputs based on historical weather observations co-located at the forecast points. The machine learning module and the ensemble forecast output provide additional information on forecast uncertainty to SMEs. As of the end of 2022,

machine learning has been deployed at 564 weather station locations throughout the SCE territory.

Finally, SCE's fuel moisture modeling is a separate module that leverages SCE's weather forecast output in conjunction with mathematical algorithms to estimate dead fuel moisture across the service area. In addition, SCE, through its vendor, Atmospheric Data Solutions, has developed a machine learning model which has been trained on SCE's gridded historic weather and fuels data to predict live fuel moisture through the forecast period.

Collectively, SCE's weather and fuels model output are linked to shapefiles of SCE's infrastructure to produce forecasts directly on assets.

Subject matter expert (SME) assessment of forecasts

SCE Weather Services assesses weather model forecast outputs distilled to electrical circuit and weather station locations from models produced in house (i.e., the ensemble and machine learning guidance described above) as well as publicly available from government weather agencies. Automation is used to quickly identify areas of concern meeting key weather and fuels thresholds for meteorologist and fire scientist assessment. Use of multiple weather models and probabilistic forecast output allows SMEs to evaluate multiple possible forecast outcomes and their likelihood of occurrence. The machine learning models provide point forecasts that have been bias-corrected and probabilistically calibrated by historic observed weather that has occurred at that location. The team validates weather model forecasts for accuracy after each PSPS event and at the end of each year. SCE Weather Services additionally consults expert forecasts from the National Weather Service through publicly available weather discussions. Finally, SCE Weather Services utilizes historical climatological data compiled from each of our 1600+ weather stations installed on our distribution, sub-transmission and transmission systems. This climatological data helps the forecaster to calibrate forecast expectations with true, observable outcomes that have been recorded.

SCE's Fire Sciences assesses fuel conditions by reviewing its in-house fuel moisture modeling output and comparing that to live fuel moisture sampling observations. This information combined with meteorological forecasts helps SCE provide a daily assessment of fire potential across the landscape.

SCE's meteorologists review weather forecasts at a minimum of once per day.

Spatial Granularity

All WRF models' spatial granularity of either 2-km or 1-km. All WRF models are configured with 52 vertical levels.

Time Horizon

The maximum time horizon of SCE's in-house weather forecast and machine learning capabilities is 7 days. SCE meteorologists consult publicly available weather model guidance from vendors and the National Weather Service at longer forecast horizons up to two weeks in advance to gain knowledge on the broad-scale weather pattern and changes that may be coming in the future.

Highlights Since Last WMP Submission

Since the last WMP filing, SCE has improved its weather modeling system by focusing on expanding the use of machine learning to more locations. At the time of the last WMP filing, a total of 64 machine learning forecast locations were operational. As of this filing, 564 machine learning forecast locations are operational, a net gain of 500 new locations. Additionally, SCE has retrained older machine learning

model locations (e.g., the original 64) on additional available observations, improving their accuracy at capturing extreme wind scenarios. Finally, SCE has also developed new probabilistic forecast capabilities derived from machine learning at all 564 operational forecast locations to further aid in accurately estimated forecast uncertainty around sustained and gust winds.

SCE has additionally continued to update its gridded historical reanalysis dataset by twice-annual data refreshes. Data is uploaded into the Data Manager tool once generated.

8.3.5.2 Known Limitations of Existing Approach

The electrical corporation must describe any known limitations of its existing modeling approach resulting from assumptions, data availability, and computational resources. It must discuss the impact of these limitations on the modeling outputs.

SCE relies on numerical weather prediction models based on current state-of-the-art scientific methods developed and supported primarily by academia and government institutions. Several known limitations exist not only within SCE's weather models but generally all operational weather models in existence today. These limitations include:

1. It is not possible to achieve a perfect weather forecast because no perfect initial and boundary conditions exist to drive weather models. No perfect initial and boundary conditions exist because current observations sources used to determine the current state of the atmosphere do not provide complete planetary coverage (this includes areas well beyond the borders of the SCE territory). Additionally, such observations sources are subject to sampling errors that can result in inaccurate forecasts. SCE relies on the federal government to assimilate all surface and upper air observations into the initial and boundary conditions used as input into our WRF models. Therefore, the accuracy of the initial conditions is limited to the accuracy of the methods used in national meteorology centers like the US National Centers for Environmental Prediction and the European Centre for Medium-range Weather Forecasts. SCE uses multiple initial and boundary conditions to account for these uncertainties in its ensemble modeling approach.
2. There are no known analytical solutions to the equations of motion describing the state of the atmosphere. In other words, the equations used to predict the future state of the weather contain unknown terms that are parameterized using empirical experimental data from field campaigns. Such parameterizations do not provide perfect fits and can result in forecast errors. SCE has tested available physics parameterizations to choose those which provide the best forecast accuracy over our territory. SCE uses multiple parameterization choices to sample these unknowns in its ensemble approach.
3. Current state-of-the-art weather models such as the Weather Research and Forecasting (WRF) model are designed for grid lengths of roughly 1km by 1km and larger. This is due to computational restraints and the limitations of the physical parameterizations mentioned in (2). This limits the granularity of weather models until higher computational power becomes available as well as new physics parameterizations can be developed for smaller scales. The result is that fine-scale, unresolvable meteorology features impacting observations may be missed by weather models.

4. Computational constraints limit the number of high-resolution weather models SCE can run in-house, as well as the feasible forecast horizon for weather models. Currently this limits SCE to a forecast horizon of seven days, which is adequate for short to medium range planning. Additionally, it limits the number of ensemble members SCE can run in house, as well as the forecast update frequency as spare cycles are not currently available to run many rapid updates per day.

5. Weather model outputs can contain systematic (repeatable) bias resulting in inaccurate forecasts. SCE is removing these biases by using machine learning to create bias-corrected forecasts. Such forecasts require observations to train the machine learning to detect patterns in forecast error based on prior forecast-observation pairs. Given the dependence on observations for training, statistically correct forecasts are only available at locations where observations exist and with a long enough record for machine learning training. Still such forecasts will be subject to errors described in (1) and no perfect machine learning forecast exists. To overcome this, SCE has developed, and will continue to expand, probabilistic machine learning forecasts for wind speed and gust that estimate the possible forecast in each updated forecast.

6. Short periods of record for forecast evaluation and machine learning. SCE has installed 1600+ weather stations as of this WMP and continues to plan for more station installs. Such weather stations are used to evaluate forecast performance and train SCE's machine learning models. However, development of machine learning models requires at least six months of historical observations data to train new models. Thus, the coverage of SCE's machine learning network is limited to only those locations with sufficient historical data to train new models. Additionally, as the period of record for observations increases, existing machine learning model accuracy will be improved through retraining over more weather events.

7. Modeling fuel moisture is affected by the same limitations that are common in the numerical modeling stated above. In addition to the biases and other forecast errors associated with parameters such as temperature, atmospheric moisture, soil moisture, evaporation rates, etc., needed to calculate fuel moisture, uncertainties within the physical processes of vegetation phenology compound the errors associated with vegetation moisture outputs.

8.3.5.3 Planned Improvements

The electrical corporation must describe its planned improvements in its weather forecasting systems. This must include any plans for the following:

- *Increase in model validation*
- *Increase in spatial granularity*
- *Decrease in limitations by removal of assumptions*
- *Increase in input data quality*
- *Increase in related frequency*

For each planned improvement, the electrical corporation must provide the following in Table 8-31:

- ***Description:*** *A description of the planned initiative activity*
- ***Impact:*** *Reference to and description of the impact of the initiative activity on each risk and risk component*
- ***Prioritization:*** *A description of the x% risk impact (see Section 8.1.1.2 for explanation)*
- ***Schedule:*** *A description of the planned schedule for implementation*

SCE's planned improvements are documented in the Table 8-31.

Table 8-31 - SCE's Planned Improvements to Weather Forecasting Systems

System	***Description***	***Impact***	***x% Risk Impact***	***Implementation Schedule***
Weather Visualization Tool	Build an internal visualization tool to view weather models available overlaid on top of SCE infrastructure.	Improve ability to analyze system impacts associated with weather events.	N/A, enhances foundational / enabling capabilities	System implementation in 2023 and will continue to operational in the following years.
Enhance ADS Date Manager	Extend historical datasets and enhance the functionality.	Allows for easy retrieval of model and historical weather data to perform analytics.	N/A, enhances foundational / enabling capabilities	Continued extensions of datasets and enhancements through foreseeable future
Update Gridded Wind Speed Percentiles	Use improved methods to model wind to produce an extreme wind map for winds at 10m above the ground.	Improves accuracy of wind models, which can help to inform PSPS wind thresholds.	N/A, enhances foundational / enabling capabilities	Updated in 2023 and every two years after.

System	*Description*	*Impact*	*x% Risk Impact*	*Implementation Schedule*
Monthly Circuit Geometry Updates	Continue to update information about circuits since work is always being done on them.	Ensuring proper data and shape of circuits is up to date to accurately forecast weather conditions on the circuit.	N/A, enhances foundational / enabling capabilities	Continued through foreseeable future.
Machine Learning Model Expansion	Continue to expand machine learning model capabilities to all weather station locations.	Improves forecast accuracy and ensures consistent situational awareness throughout	N/A, enhances foundational / enabling capabilities	Continue to implement as long as new weather stations come online.
Machine Learning Model Improvement	Evaluate forecasts and investigate future forecasts improvements.	Ensures that new techniques and knowledge is used to continuously improve forecast models.	N/A, enhances foundational / enabling capabilities	Continued through foreseeable future.
Self-Organizing Maps (SOMs)	Use analog /pattern recognition approach in analysis for forecasts	Adding another model and forecasting technique adds resiliency and provides better insight to forecast uncertainty.	N/A, enhances foundational / enabling capabilities	Pilot system in 2023 and implement in 2024.
1-month and 3-month forecast of Santa Ana Wind days	Continue to create and improve seasonal Santa Ana Wind Forecasts.	Allows for advanced planning of potential critical weather conditions that can result in significant fire activity.	N/A, enhances foundational / enabling capabilities	Continued through foreseeable future.

System	*Description*	*Impact*	*x% Risk Impact*	*Implementation Schedule*
European Model Data Procurement	Continue European Model data feed.	Additional data feed increases forecast redundancy and improves planning around weather forecast uncertainties.	N/A, enhances foundational / enabling capabilities	Continued through foreseeable future.
Dead Fuel Moisture Model Improvement	Evaluate forecasts and investigate future forecasts improvements	Ensures that new techniques and knowledge are used to continuously improve forecast models.	N/A, enhances foundational / enabling capabilities	Continue through 2023.

In 2022, SCE expanded its ML model capabilities to a total of 564 weather station locations and additionally built-out new probabilistic forecasts using machine learning at these same locations. SCE continued to expand its gridded historical data record through twice-yearly updates and improved the functionality of the Data Manager tool. SCE also kicked-off research efforts with UCSB on a gridded observations model and nowcasting tool and additionally began development of the Weather Visualization Portal.

In 2023, SCE plans to improve in-house weather modeling capabilities, by 1) expanding the number of ML model locations, 2) by evaluating a new ML modeling approach for improved forecast accuracy to inform future ML model development efforts, and 3) by implementing analog forecasts derived using Self-organizing Maps. In addition, SCE will continue to expand its gridded historical dataset through twice-yearly updates and add functionality improvements to the Data Manager used to access the historical data. SCE will also leverage this historical data and the ML methodology to refresh historical wind profiles (e.g., wind percentiles) on HFRA circuits. Finally, SCE will continue to explore new innovative technologies to mature situational awareness capabilities with research performed by UCSB and UCSD as well as through continued development of a Weather Visualization Portal with a vendor to enhance its ability to analyze data from several sources. A brief description of each improvement is noted below.

- ML models will be developed for select SCE weather station locations to improve wind forecast accuracy and provide calibrated estimates of forecast uncertainty. SCE plans to equip 500 to 600 weather station locations with Machine Learning (ML) capabilities in 2023.

- SCE will evaluate a new ML model approach that leverages new predictors from the SCE ensemble forecast systems for forecast accuracy improvements over the existing approach. The results will inform the ML model approach in 2024 and beyond.
- The Data Manager improves SCE's ability to analyze historical weather and fuels conditions by providing users a platform to efficiently interact with SCE's historical data. SCE will add further functionalities to the Data Manager around how data can be queried as well as extending the historical dataset to maintain currency.
- SCE is partnering with UCSB to create a gridded observation model that supplements the information provided by SCE's existing network of weather stations. Additionally, UCSB is evaluating a nowcasting tool (very short-term forecast capability covering a horizon of the next six hours with rapid forecast updates) that will allow meteorologists to quickly analyze changing wind trends during PSPS events over granular areas.
- SCE is also planning to partner with the UCSD possibly along with other California utilities to evaluate a new, large 200-member ensemble weather forecast. This new forecast, if proven accurate across the period of research, would add to SCE's forecast redundancy, provide another forecast solution for meteorologists to consider, and increase forecast capability maturity.
- SCE is developing a Weather Visualization Portal that, along with a more robust graphic user interface, will allow users to view and analyze large amounts of data from these models quickly and efficiently. This represents a marked improvement over the current process in which users are retrieving information from different data sources and comparing them, in order to produce an analysis.

In 2024 and 2025, SCE will continue to expand the development and implementation of its machine learning models to improve weather forecast accuracy and representation of confidence. SCE eventually plans to cover all weather station locations with a machine learning model as sufficient data becomes available and new weather station locations are added. SCE will also continually evaluate its machine learning approach and retrain models as updated data becomes available, which will make forecasts more accurate. SCE will also keep its gridded historical data current going forward and will pursue new innovative technologies through strategic academic partnerships. Finally, SCE intends to refresh its high-performance computing cluster (HPCC) infrastructure beginning in 2025 and periodically thereafter as current hardware reaches its end of life.

8.3.5.4 Evaluating Mitigation Initiatives

The electrical corporation must describe its procedures for the ongoing evaluation of the efficacy of its weather forecasting program.

To measure the efficacy of SCE's weather forecast mitigations, SCE creates annual weather forecast verification summaries created by comparing forecast weather conditions to available observations. that the verifications provide robust indications of overall forecast performance which are used to further understand the limitations of current forecast capabilities. Additionally, SCE monitors its weather forecasting program through post event analyses for PSPS events. Finally, SCE asks vendors to include verification of developmental forecast systems within statements of work prior to implementation.

These summaries inform future continuous improvement efforts around weather forecasting as well as help to gain understanding of known modeling limitations.

8.3.5.5 Enterprise System for Weather Forecasting

In this section, the electrical corporation must provide an overview of its enterprise system for weather forecasting. This overview must include discussion of:

- *Any database(s) used for storage.*
- *Describe the electrical corporation's internal documentation of its database(s).*
- *Integration with systems in other lines of business.*
- *Describe any QA/QC or auditing of its system.*
- *Describe internal processes for updating the enterprise system including database(s).*
- *Any changes to the initiative since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation.*

Any database(s) used for storage

Full gridded weather forecast data from the deterministic weather forecast model (ensemble control model) is stored internally on SCE's Enterprise Analytics Platform – Hadoop in the Weather Data Mart (WDM) application. Distilled weather information at the circuit level is also maintained from all internal weather model sources (e.g., the ensemble and machine learning forecasts) in a file repository.

Describe the electrical corporation's internal documentation of its database(s)

The WDM application solution design and all other database design aspects are documented in the Solution Architecture Document.

Integration with systems in other lines of business

The WDM integrates weather/environmental dimensional data from multiple sources for data consolidation and processing. In addition to maintain the forecasts from the control model mentioned early, the WDM also stores specialized forecasts used by SCE Weather Services for the Energy Procurement and Management functions including those created by the National Weather Service.

Describe any QA/QC or auditing of its system

QA/QC of weather data being loaded into the WDM is handled via system checks and alerts which are in place for any exceptions or failures of automated data loads and integrations. These alerts and failures are addressed to ensure timely remediation. For any enhancements or fixes done to WDM, remediation is done by corresponding IT Support teams through an SCE established IT Service Management Process

ensuring requisite compliance and data quality.

Describe internal processes for updating the enterprise system including database(s)

SCE contracts with its Managed Services Provider, who is responsible for enhancements (including databases) on a regular basis. When these updates are completed, SCE validates the functionality end to end with regression and user acceptance testing to ensure everything works as expected. Any bugs found are communicated back to the vendor to be fixed and retested. Once the testing is completed and passed, the new functionality is migrated to our production environment. These changes are managed and tracked using BMC Remedy IT's change management control tool.

Any changes to the initiative since the last WMP submission and a brief explanation as to why those changes were made. Include any planned improvements or updates to the initiative and the timeline for implementation

SCE did not make any changes to its enterprise system for weather forecasting since the last WMP submission. In 2023, SCE will work to archive inputs used to drive in-house weather models within electric corporation maintained databases to improve weather forecast capability maturity.

8.3.6 Fire Potential Index

The electrical corporation must describe its process for calculating its fire potential index (FPI) or a similar a landscape scale index used as a proxy for assessing real-time risk of a wildfire under current and forecasted weather conditions. The electrical corporation must document the following:

- *Its existing calculation approach and how its FPI is used in its operations*
- *The known limitations of its existing approach*
- *Implementation schedule for any planned changes to the system Reference the Utility Initiative Tracking ID where appropriate.*

8.3.6.1 Existing Calculation Approach and Use

The electrical corporation must describe:

- *How it calculates its own FPI or if uses an external source, such as the United States Geological Survey*[35]
- *How it uses its or an FPI in its operations*

Additionally, if the electrical corporation calculates its own FPI, it must provide tabular information regarding the features of its FPI. Table 8-32 provides a template for the required information.

How it calculates its own FPI or if uses an external source, such as the United States Geological Survey.

SCE assesses daily wildfire potential through use of its Fire Potential Index (FPI) which is based on weather and fuel (vegetation) conditions. FPI is calculated at the circuit level twice daily with output

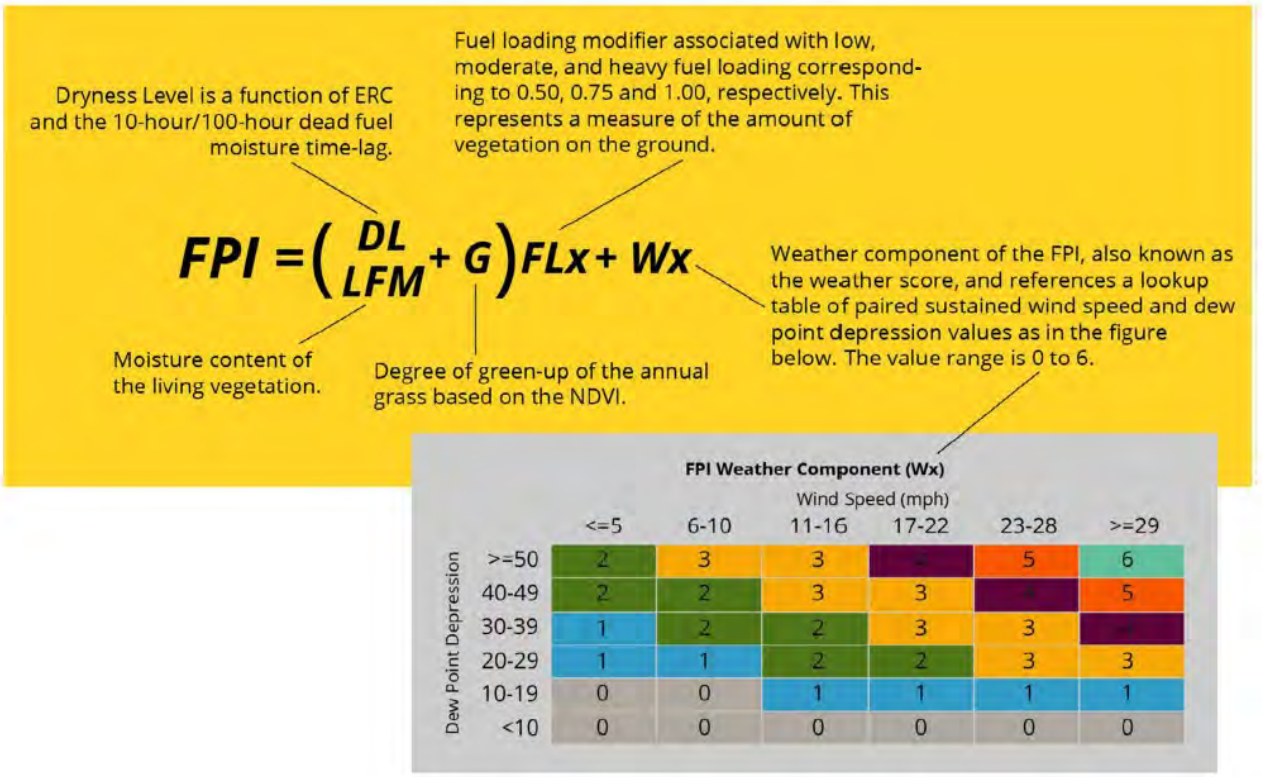
every three hours, out to seven days and includes the following inputs.

- Wind speed—Sustained wind velocity at six meters above ground level.
- Dew point depression—The dryness of the air as represented by the difference between air temperature and dew point temperature at two meters above ground level.
- Energy release component (ERC)—As defined by the U.S. Department of Agriculture: "The available energy in British Thermal Unit (BTU) per unit area (square foot) within the flaming front at the head of a fire … reflects the contribution of all live and dead fuels to potential fire intensity."[243]
- 10-hour dead fuel moisture—A measure of the amount of moisture in ¼-inch diameter dead fuels, such as small twigs and sticks.
- 100-hour dead fuel moisture—A measure of the amount of moisture in 1- to 3-inch diameter dead fuels, i.e., dead, woody material such as small branches.
- Live fuel moisture—A measure of the amount of moisture in living vegetation.
- Normalized Difference Vegetation Index (NDVI)— As defined by the U.S. Department of the Interior: "… used to quantify vegetation greenness and is useful in understanding vegetation density and assessing changes in plant health."[244]

[243] U.S. Department of Agriculture. n.d. "Energy Release Component (ERC) Fact Sheet." Forest Service. Accessed April 14, 2021. https://www.fs.usda.gov/Internet/FSE_Documents/stelprdb5339121.pdf.

[244] Department of the Interior. n.d. Landsat Normalized Difference Vegetation Index. Access April 14, 2021. https://www.usgs.gov/core-science-systems/nli/landsat/landsat-normalized-difference-vegetation-index?qt-science_support_page_related_con=0#qt-science_support_page_related_com.

Figure SCE 8-51 - Fire Potential Index Equation



Based on a risk analysis of the historical fire data, the FPI is set at 13 for most areas. However, exceptions exist for certain areas and situations in which the FPI threshold is set at 12. These include:

- FCZ1 (Coastal region) — The threshold for FCZ1 remains at 12 because calculated historical probabilities indicated a significantly higher ignition risk factor at an FPI threshold of 13 for this FCZ than for the other FCZs (2, 3, 4, 9, and 10).
- Geographic Area Coordination Center (GACC) preparedness level of 4 or 5 — The GACC coordinates multiple federal and state agencies to track and manage regional fire resources. It provides a daily fire preparedness level on a score of 1-5. A high score signals that there could be resource issues in responding to a fire.
- Circuits located in an active Fire Science Area of Concern (AOC) — AOCs are areas within FCZs that are at high risk for fire with significant community impact. This designation is based on factors that are common to FPI as well as egress, fire history, and fire consequence.

How it uses its or an FPI in its operations

The Fire Potential Index (FPI) is a tool that is used to estimate fire potential across the landscape based on weather and fuel (vegetation) conditions and is one data point used in the PSPS decision-making process.

Table 8-32 - Fire Potential Features

Feature Group	*Feature*	*Altitude*	*Description*	*Source*	*Update Cadence*	*Spatial Granularity*	*Temporal Granularity*
Weather Component	Wind Speed	Surface	Wind speed in miles per hour at 6 meters above ground	Deterministic Weather model	2x per day	2 km	3 Hour Forecasts for 7 days
Weather Component	Dewpoint Depression	Surface	The difference between the temperature and dew point temperature in degrees Fahrenheit at 2 meters above ground	Deterministic Weather model	2x per day	2 km	3 Hour Forecasts for 7 days
Fuels Component	Dryness Level	Surface	Comprised of the Energy Release Component[245] and the 10-hour/100-hour dead fuel moisture time-lag[246]	Deterministic Weather model	2x per day	2 km	3 Hour Forecasts for 7 days
Fuels Component	Live Fuel Moisture	Surface	Moisture content of the living vegetation in percent.	Deterministic Weather model	2x per day	2 km	3 Hour Forecasts for 7 days

[245] Energy Release Component (ERC) is a measure of potential energy (BTU) at the flaming front of a fire and is a composite of fuel moisture from various dead and live fuels.
[246] The time required for dead vegetation (1/2" diameter) to respond to changes in ambient temperature and humidity.

Fuels Component	Grass Green-Up	Surface	The degree of green-up of the annual grass based on the Normalized Difference Vegetation Index (NDVI)[247]	Deterministic Weather model	2x per day	2 km	3 Hour Forecasts for 7 days

8.3.6.2 Known Limitations of Existing Approach

The electrical corporation must describe any known limitations of current FPI calculation.

The current FPI is based on SDG&E's index, which was adopted in 2018 and used for PSPS in 2019. During the 2019 PSPS events, SCE observed limitations in its current FPI. SCE added a fuel-loading modifier in 2019 to account for areas where fuels are sparse and unlikely to support a significant fire. In 2021, SCE calibrated the index and was able to raise FPI thresholds across much of its HFRA as a result. While FPI is a good metric for identifying critical weather events that can result in high fire potential and PSPS, SCE is looking to improve upon its current FPI in subsequent iterations. As a result, SCE is developing a new fire potential index (FPI 2.0) which employs a more sophisticated methodology for assessing fuel conditions. It also puts more emphasis on wind speed as wind can dominate the fire environment. This improved index will do a better job in capturing the sensitivity of critical fire weather conditions as well as being able to highlight extreme events.

8.3.6.3 Planned Improvements

The electrical corporation must describe its planned improvements for its FPI including a description of the improvement and the planned schedule for implementation.

In 2021, SCE developed a new FPI (2.0) to address the limitations stated previously, by placing more emphasis on wind speeds and constructing a new fuels component to account for the diversity of fuel conditions across SCE's service area. The output of FPI 2.0 will provide supplemental data perspectives and continue to be compared with the current FPI in 2023. SCE plans to determine if FPI 2.0 captures more detail in the environmental conditions and provides a more accurate representation of fire potential across the SCE service area. This will allow for an extensive evaluation of FPI 2.0 to occur, with the goal of slowly integrating FPI 2.0 into the PSPS data driven decision making process.

8.3.7 Maturity Advancement

SCE continually seeks alignment with government and industry organizations and practices and continues to look for opportunities to improve situational awareness maturity over time.

[247] The Normalized Difference Vegetation Index (NDVI) is an index of plant "greenness" or photosynthetic activity and is one of the most commonly used remotely sensed vegetation indices.

The activities discussed in this section could lead to Situational Awareness and Forecasting maturity advancements. Below is a summary of broader anticipated maturity improvements over the WMP period that supplement the objectives outlined at the beginning of the Section.

Table SCE 8-15 - Situational Awareness Maturity Improvements

Capability Name	Projected Maturity Improvements
Weather Forecasting	Improvements include improved documentation (i.e., version control) of model inputs and sharing of model performance and validation metrics with the public. Additional improvements include evaluating the expansion of ensemble size on forecast accuracy and development of forecasts that quantify uncertainty information for additional variables from those in use today.
Ignition Likelihood Estimation	Improvements include documentation of discrepancies between ignition likelihood estimates and observations, and a process to validate these SCE conducted analysis by a third-party. Additional improvements will be come from model enrichment with new data, the creation of sub-modules, and documentation on model sensitivity.
Wildfire spread forecasting	Improvements include new wildfire spread model inputs (i.e.; ensemble weather forecasts).
Data collection for near-real-time conditions	Clearly defined processes to track discrepancies between current and historical data; and providing information to the public (i.e.; statistical summary).

8.4 Emergency Preparedness

8.4.1 Overview

Each electrical corporation must develop and adopt an emergency preparedness[248] plan in compliance with the standards established by the CPUC pursuant to Public Utilities Code section 768.6(a). Wildfires and PSPS events introduce unique risk management challenges requiring the electrical corporation to evaluate, develop, and implement wildfire- and PSPS- specific emergency preparedness activities as part of a holistic emergency preparedness strategy.

In this section, the electrical corporation must identify objectives for the next 3- and 10-year periods, targets, and performance metrics related to the following emergency preparedness programmatic areas:

- *Wildfire and PSPS emergency preparedness plan*
- *Collaboration and coordination with public safety partners*
- *Public notification and communication strategy*
- *Preparedness and planning for service restoration*
- *Customer support in wildfire and PSPS emergencies*
- *Learning after wildfire and PSPS events*

SCE maintains a comprehensive business continuity and emergency management program. This program includes emergency and continuity planning, a robust training and exercise program, a hazard

[248] "Emergency and Disaster Preparedness" from Public Utilities Code section 768.6 has been shortened here to Emergency Preparedness.

analysis and mitigation program, and an after-action/corrective action process. This inclusive approach to emergency preparedness helps SCE in building and maturing emergency response capabilities year over year. SCE prioritizes emergency preparedness at all levels of the organization, including senior leadership.

SCE addresses emergency preparedness and response planning through an all-hazards approach, which focuses on capabilities that are critical to address a full spectrum of disruptive events, including natural and/or human-caused emergencies. SCE maintains a Business Resiliency (BR) All-Hazards Emergency Operations Plan (AHP) that incorporates disaster and emergency preparedness, emergency incident response and recovery activities that facilitate restoration and continuity of critical operations. The AHP outlines the roles and responsibilities for the company leadership and incident response personnel across the enterprise for response operations during any type of event.

The AHP serves as the foundation for emergency preparedness, response, and recovery operations and connects to more detailed and specific plans that are specialized to certain hazards and/or situations, including the Earthquake Response Plan, Electric Emergency Action Plan, Cyber Annex, Business Continuity Plans, and the PSPS Protocols. These response plans are available for responders to guide operations during emergency events.

8.4.1.1 Objectives

Each electrical corporation must summarize the objectives for its 3-year and 10-year plans for implementing and improving its emergency preparedness.[249] These summaries must include the following:

- *Identification of which initiative(s) in the WMP the electrical corporation is implementing to achieve the stated objective, including Utility Initiative Tracking IDs*
- *Reference(s) to applicable codes, standards, and best practices/guidelines and an indication of whether the electrical corporation exceeds an applicable code, standard, or regulation*
- *Method of verifying achievement of each objective*
- *A completion date for when the electrical corporation will achieve the objective*
- *Reference(s) to the WMP section(s) or appendix, including page numbers, where the details of the objective(s) are documented and substantiated*

This information must be provided in Table 8-33 for the 3-year plan and Table 8-34 for the 10- year plan. Examples of the minimum acceptable level of information are provided below.

[249] Annual information included in this section must align with the QDR data.

Below is a summary of SCE's 3-year Emergency Preparedness objectives.

Table 8-33 - Emergency Preparedness Initiative Objectives (3-year plan)

Objectives for Three Years (2023–2025)	***Applicable Initiative(s), Tracking ID(s)***	***Applicable Regulations, Codes, Standards, and Best Practices (See Note)***	***Method of Verification (i.e., program)***	***Completion Date***	***Reference (section & page #)***
Maintain a comprehensive all-hazards planning and preparedness program to provide effective emergency response and to safely and expeditiously restore service during and after a major event.	Emergency Preparedness Plan (8.4.2)	• GO 95 • GO128 • GO 166 • ESRB-8 • PSPS OIR Phase 1 D.19-05-042, Phase 2 D.20-05-051, Phase 3 D.21-06-034 • PSPS OII D.21-06-014 • SEMS • NIMS	Annual Filing**	Yearly	Section 8.4.2 Emergency Preparedness Plan, pp. 529-551
Provide effective and accurate communications to the public before, during and immediately following major outages and emergencies.	Public Emergency Communication Strategy (8.4.4)	• GO 95 • GO128 • GO 166 • ESRB-8 • PSPS OIR Phase 1 D.19-05-042, Phase 2 D.20-05-051, Phase 3 D.21-06-034 • PSPS OII D.21-06-014 • SEMS • NIMS	Activity Reporting***	On-going	Section 8.4.4 Public Emergency Communication Strategy, pp. 558-566

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

** SCE maintains an annual schedule for completion of updates to both the All-Hazards Emergency Plan and associated hazard specific plans to provide for response and meet regulatory requirements. SCE also files these emergency plans annually to meet regulatory requirements (GO166, EEAP, etc.) with the Safety Enforcement Division of the CPUC. A publicly available version of the All Hazards Emergency Plan was also posted on the Energy Safety website in 2023 and can be found at https://efiling.energysafety.ca.gov/eFiling/Getfile.aspx?fileid=53525&shareable=true

*** Communication to customers occurs on our website, including banners and macro messaging on our home page, and updated information on our outage page and map; through Energized, our news channel; and on social media. During emergencies, all these channels are publicly available for review. News stories on Energized are posted in advance of flex alerts, and when there is a potential for significant customer impacts, with follow-up reporting as required. These articles are archived and publicly available indefinitely (going back to 2013) at energized.com. For PSPS, notifications are sent pursuant to PSPS guidelines and results are available in SCE post-event reports, 10 days after the conclusion of each event, which can be found on SCE's website at: https://www.sce.com/wildfire/wildfire-safety.

Below is a summary of SCE's 10-year Emergency Preparedness objectives.

Table 8-34 - Emergency Preparedness Initiative Objectives (10-year plan)

Objectives for Ten Years (2026–2032)	***Applicable Initiative(s), Tracking ID(s)***	***Applicable Regulations, Codes, Standards, and Best Practices (See Note)***	***Method of Verification (i.e., program)***	***Completion Date***	***Reference (section & page #)***
Refined emergency planning and preparedness practices and programs to support customers before, during, and following emergency events.	Customer Support in Wildfire and PSPS Emergencies (8.4.6)	• GO 95 • GO128 • GO 166 • ESRB-8 • PSPS OIR Phase 1 D.19-05-042, Phase 2 D.20-05-051, Phase 3 D.21-06-034 • PSPS OII D.21-06-014 • SEMS • NIMS	Activity Reporting **	On-going	Section 8.4.6 Customer Support in Wildfire and PSPS Emergencies, pp. 570-576
Ongoing implementation of lessons learned and findings from After Action Reports (AARs) and other external sources to continuously improve emergency response capabilities.	Emergency Preparedness Plan (8.4.2) External Collaboration and Coordination (8.4.3) Public Emergency Communication Strategy (8.4.4)	• ESRB-8 • PSPS OIR Phase 1 D.19-05-042, Phase 2 D.20-05-051, Phase 3 D.21-06-034 • PSPS OII D.21-06-014	Activity Reporting AARs – completed after each exercise and real-world event. AARs include corrective action items for resolution that are managed to completion.	On-going	Section 8.4.2 (Emergency Preparedness Plan), pp. 529-551; Section 8.4.3 (External Collaboration and Coordination) pp. 550-560; Section 8.4.4 (Public Emergency Communication Strategy), pp. 558-566

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

** All planning and preparedness programs to support customers before, during and following emergency events are described on SCE's website at: https://www.sce.com/outage-center/customer-resources-and-support Information is updated to be current with any program updates or changes.

8.4.1.2 Targets

Initiative targets are forward-looking quantifiable measurements of activities identified by each electrical corporation in its WMP. Electrical corporations will show progress toward completing targets in subsequent reports, including QDRs and WMP Updates.

The electrical corporation must list all targets it will use to track progress on its emergency preparedness for the three years of the Base WMP. Energy Safety's Compliance Assurance Division and third parties must be able to track and audit each target.[250] *For each initiative target, the electrical corporation must provide the following:*

- *Utility Initiative Tracking IDs.*
- *Projected targets for the three years of the Base WMP and relevant units.*
- *The expected "x% risk impact" for each of the three years of the Base WMP. The expected x% risk impact is the expected percentage risk reduction per year, as described in Section 7.2.2.2.*
- *Method of verifying target completion.*

The electrical corporation's targets must provide enough detail to effectively inform efforts to improve the performance (i.e., reduction in wildfire consequence) of the electrical corporation's emergency preparedness initiatives.

Table 8 - 3 5 provides an example of the minimum acceptable level of information.

In Table 8-35 below, SCE provides the expected risk impact for each initiative at the scoping unit level and at the HFRA-level. The risk impact percentages for PSPS-2 and PSPS-3 are based on the expected reduction to PSPS risk in MARS, while the risk impact percentages for DEP-2 is based on the expected reduction to wildfire risk in MARS.. SCE includes additional columns in the table below showing the percentage of an initiative's scope that is in Severe Risk Area (SRA) and High Consequence Areas (HCA).

[250] Annual information included in this section must align with Tables 1 and 12 of the QDR.

Below is a summary of SCE's Emergency Preparedness targets by year.

Table 8-35 - Emergency Preparedness Initiative Targets by Year

Initiative Activity	***Tracking ID***	***2023 Target & Unit***	***x% Risk Impact 2023 (Scoped / HFRA)***	***2024 Target & Unit***	***x% Risk Impact 2024 (Scoped / HFRA)***	***2025 Target & Unit***	***x% Risk Impact 2025 (Scoped / HFRA)***	***Method of Verification***
SCE Emergency Response Training	DEP-2	PSPS response teams are fully qualified/re-qualified by 7/1 annually to maintain readiness	N/A	PSPS response teams are fully qualified/re-qualified by 7/1 annually to maintain readiness	N/A	PSPS response teams are fully qualified/re-qualified by 7/1 annually to maintain readiness	N/A	IMT training roster
Aerial Suppression	DEP-5	Provide fire agencies with funding to support quick reaction force (QRF) program for 2023	1.6%	SCE will continue to reassess availability and funding for aerial suppression resources in SCE's service area annually to determine ongoing QRF strategy	1.9%	SCE will continue to reassess availability and funding for aerial suppression resources in SCE's service area annually to determine ongoing QRF strategy	2%	Copy of funding agreement
Customer Care Programs (Critical Care Backup	PSPS-2	Complete **85%** of battery deliveries to eligible customers within 30 calendar days* of program enrollment, subject to customer	28%/.004 % *(PSPS risk only)*	Complete **85%** of battery deliveries to eligible customers within 30 calendar days* of program enrollment, subject to customer availability, reschedule	31%/.007 % *(PSPS risk only)*	Complete **85%** of battery deliveries to eligible customers within 30 calendar days* of program enrollment, subject to customer availability, reschedule	35%/.005 % *(PSPS risk only)*	Year to date list of customer enrollment and battery deliveri

Initiative Activity	*Tracking ID*	*2023 Target & Unit*	*x% Risk Impact 2023 (Scoped / HFRA)*	*2024 Target & Unit*	*x% Risk Impact 2024 (Scoped / HFRA)*	*2025 Target & Unit*	*x% Risk Impact 2025 (Scoped / HFRA)*	*Method of Verification*
Battery (CCBB) Program)		availability, reschedule requests and battery supply constraints Strive to complete **90%** of battery deliveries to eligible customers within 45 calendar days of program enrollment, subject to customer availability, reschedule requests and battery supply constraints * Number of calendar/business days subject to change based on customer survey feedback to inform appropriate calendar/business day		requests and battery supply constraints Strive to complete **90%** of battery deliveries to eligible customers within 45 calendar days of program enrollment, subject to customer availability, reschedule requests and battery supply constraints * Number of calendar/business days subject to change based on customer survey feedback to inform appropriate calendar/business day measurement		requests and battery supply constraints Strive to complete **90%** of battery deliveries to eligible customers within 45 calendar days of program enrollment, subject to customer availability, reschedule requests and battery supply constraints * Number of calendar/business days subject to change based on customer survey feedback to inform appropriate calendar/business day measurement		es

Initiative Activity	*Tracking ID*	*2023 Target & Unit*	*x% Risk Impact 2023 (Scoped / HFRA)*	*2024 Target & Unit*	*x% Risk Impact 2024 (Scoped / HFRA)*	*2025 Target & Unit*	*x% Risk Impact 2025 (Scoped / HFRA)*	*Method of Verification*
		measurement						
Customer Care Programs (Portable Power Station and Generator Rebates)	PSPS-3	Process **85%** of all rebate claims within 30 business days* of receipt from website vendor; excluding website related delays and subject to receiving all required customer information Strive to process **90%** of all rebate claims within 45 business days of receipt from website vendor; excluding website related delays and subject to receiving all required customer information	0.11%/.0001% *(PSPS risk only)*	Process **85%** of all rebate claims within 30 business days* of receipt from website vendor; excluding website related delays and subject to receiving all required customer information Strive to process **90%** of all rebate claims within 45 business days of receipt from website vendor; excluding website related delays and subject to receiving all required customer information * Number of calendar/business days subject to change	0.11%/.0002% *(PSPS risk only)*	Process **85%** of all rebate claims within 30 business days* of receipt from website vendor; excluding website related delays and subject to receiving all required customer information Strive to process **90%** of all rebate claims within 45 business days of receipt from website vendor; excluding website related delays and subject to receiving all required customer information * Number of calendar/business days subject to change based	0.11%/.0002% *(PSPS risk only)*	Year to date list of rebate claims and processing dates

Initiative Activity	*Tracking ID*	*2023 Target & Unit*	*x% Risk Impact 2023 (Scoped / HFRA)*	*2024 Target & Unit*	*x% Risk Impact 2024 (Scoped / HFRA)*	*2025 Target & Unit*	*x% Risk Impact 2025 (Scoped / HFRA)*	*Method of Verification*
		* Number of calendar/business days subject to change based on customer survey feedback to inform appropriate calendar/business day measurement		based on customer survey feedback to inform appropriate calendar/business day measurement		on customer survey feedback to inform appropriate calendar/business day measurement		

The projections provided in Table 8-35 are estimates and subject to change.

8.4.1.3 Performance Metrics Identified by the Electrical Corporation

Performance metrics indicate the extent to which an electrical corporation's Wildfire Mitigation Plan is driving performance outcomes. Each electrical corporation must:

- *List the performance metrics the electrical corporation uses to evaluate the effectiveness of its emergency preparedness in reducing wildfire and PSPS risk*[251]

For each of these performance metrics listed, the electrical corporation must:

- *Report the electrical corporation's performance since 2020 (if previously collected)*
- *Project performance for 2023-2025*
- *List method of verification*

The electrical corporation must ensure that each metric's name and values are the same in its WMP reporting as its QDR reporting (specifically, QDR Table 2 and QDR Table 3). Metrics listed in this section that are the same as performance metrics required by Energy Safety and reported in QDR Table 2 (Performance Metrics)[252] *must match those reported in QDR Table 2. Metrics listed in this section that are not the same as any of the performance metrics identified by Energy Safety and reported in QDR Table 2 must match those reported in QDR Table 3.*

The electrical corporation must:

- *Summarize its self-identified performance metric(s) in tabular form*
- *Provide a brief narrative that explains trends in the metrics*

SCE has identified performance metrics relating to SCE's Emergency Preparedness activities. These metrics align with SCE's efforts to minimize the scope, duration, and customer impacts from PSPS events. SCE's IMT structure and overall emergency preparedness function is critical in being able to reduce these impacts and communicate effectively with all our stakeholders. Please see Section 9 for further discussion on these metrics, including a brief narrative that explains trends in the metrics.

[251] There may be overlap between the performance metrics the electrical corporation uses and performance metrics required by Energy Safety. The electrical corporation must list these overlapping metrics in this section in addition to any unique performance metrics it uses.

[252] The performance metrics identified by Energy Safety are included in Energy Safety's Data Guidelines.

Below is a summary of SCE's Emergency Preparedness performance metrics by year.

Table 8-36 - Emergency Preparedness Performance Metrics Results by Year

Performance Metrics	***2020***	***2021***	***2022***	***2023 Projected***	***2024 Projected***	***2025 Projected***	***Method of Verification (e.g., third-party evaluation, QDR)***
Scope of PSPS Events (total)[253]	424	232	13	210	197	185	QDR, Tables 3 and 10
Duration of PSPS events (total)[254]	4,455,936	3,700,254	112,274	2,508,101	2,282,372	2,076,958	QDR, Tables 3 and 10
Number of customers impacted by PSPS[255]	229,800	179,502	15,784	120,441	102,375	87,019	QDR, Tables 3 and 10

[253] Scope of PSPS Events definition: Circuit-events, measured in number of events multiplied by number of circuits de-energized per year
[254] Duration of PSPS events definition: Customer hours per year
[255] Number of customers impacted by PSPS definition: Number of customers impacted by PSPS (if multiple PSPS events impact the same customer, count each event as a separate customer)

8.4.2 Emergency Preparedness Plan

In this section, the electrical corporation must provide an overview of how it has evaluated, developed, and integrated wildfire- and PSPS-specific emergency preparedness strategies, practices, policies, and procedures into its overall emergency plan based on the minimum standards described in GO 166. The electrical corporation must provide the title of its latest emergency preparedness report, the date of the report, and an indication of whether the plan complies with CPUC R. 15-06-009, D. 21-05-019, and GO 166. The overview must be no more than two paragraphs.

SCE's AHP (Version December 2022) outlines the company's emergency management response strategy and tactics, including wildfire responses. The plan integrates the strategies set by the National Response Framework,[256] mirroring the mission areas and the applicable core capabilities as defined by the Federal Emergency Management Agency (FEMA). It aligns with concepts identified in both the California Standardized Emergency Management System (SEMS)[257] and National Incident Management System (NIMS). In 2021, SCE performed a comprehensive update to the AHP that included additional elements recently required by D.21-05-019.[258] PSPS-06-SCE-01 Public Safety Power Shutoff Protocol, Version 3, dated August 1, 2022, outlines PSPS strategy and tactics.

In both the AHP and the PSPS Protocol, SCE adheres to the regulations imposed by CPUC, FERC, CAISO, CalOES, and NERC. Please see Section 8.4.2.1 for additional information.

In addition, the electrical corporation must provide a list of any other relevant electrical corporation documents that govern its wildfire and PSPS emergency preparedness planning for response and recovery efforts. This must be a bullet point list with document title, version (if applicable), and date. For example: Electrical Corporation's Emergency Response Plan (ECERP), Third Edition, dated January 1,2021

- SOB 21: System Emergency Response Plan, dated October 3, 2022.

Reference the Utility Initiative Tracking ID where appropriate.

[256] *See* National Response Framework, available at https://www.fema.gov/emergency-managers/national-preparedness/frameworks/response

[257] The California Standardized Emergency Management System is a structure for coordination between the government and local emergency response organizations. It provides and facilitates the flow of emergency information and resources within and between the organizational levels of field response, local government, operational areas, regions, and state emergency management. SCE has integrated SEMS into its emergency plans and response structure.

[258] *See* Decision (D.) 21-05-19 from (Rulemaking 15-06-009) Addressing Phase II Issues Relating to Emergency and Disaster and Preparedness Plans, available at https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M385/K377/385377826.PDF

8.4.2.1 Overview of Wildfire and PSPS Emergency Preparedness

In this section of the WMP, the electrical corporation must provide an overview of its wildfire- and PSPS-specific emergency preparedness plan. At a minimum, the overview must describe the following:

- *Purpose and scope of the plan.*

The AHP is the base document for strategic, operational, and tactical planning for all SCE emergency response, and documents our company-wide approach to continue operations and meet the diverse needs of the community in coordination and participation with our emergency response partners. It is designed to guide us in the safe and efficient restoration after any type of outage through identification of applicable prioritization and restoration strategies, and the development of a common operating picture for communicating situational awareness to internal and external stakeholders. The AHP integrates the strategies set by the National Response Framework, including the mission areas and the applicable core capabilities defined by FEMA. It is in alignment with concepts identified in both the SEMS and NIMS.

The AHP does not supersede or replace existing procedures for safety, hazardous materials response, or other similar procedures adopted and in place, including but not limited to specific response plans prepared to address individual circumstances or to comply with regulatory requirements.

The PSPS Protocol coordinates critical preparedness, response, and recovery operations for PSPS, including public safety partner and customer notifications. It outlines specific PSPS IMT roles and responsibilities and describes the communication and coordination protocols between internal and external stakeholders when implementing a PSPS.

Overview of protocols, policies, and procedures for responding to and recovering from a wildfire or PSPS event (e.g., means and methods for assessing conditions, decision-making framework, prioritizations). This must include:

SCE maintains compliance with the protocols, policies, and procedures that govern PSPS. Multiple authorities guide the structure, development, and implementation of PSPS, including numerous regulatory agencies such as FERC, NERC, and the CPUC. SCE has built an internal program and structure to adhere to and implement these requirements, including establishing operational protocols pertaining to wildfire and PSPS-related outages and emergency response.

The following requirements inform emergency plans and procedures:

CPUC Requirements:

- General Order Number 166: Standards for Operation, Reliability, and Safety during Emergencies and Disasters, current revision
- General Order Number 95: Rules for Overhead Electric Line Construction
- General Order Number 128: Rules for Construction of Underground Electric Supply and Communication Systems

- Resolution ESRB-8: Resolution Extending De-Energization Reasonableness, Notification, Mitigation, and Reporting Requirements in Decision 12-04-024 to All Electric Investor Owned Utilities
- PSPS Order Instituting Rulemaking (OIR) Phase 1 (Decision (D.) 19-05-042), Phase 2 (D.20-05-051), Phase 3 (D.21-06-034) and PSPS Order Instituting Investigation (OII) (D.21-06-014)

CAISO

- California Independent System Operator (CAISO) Standards for Reliability and Safety during Emergencies and Disasters (May 2021)

Energy Safety

- Senate Bill 901 (2018) provided for the treatment of wildfire

SCE Policies/Procedures

- System Operating Bulletin No. 21: System Emergency Response Plan

Internally, SCE identifies general standards and authorities for IMT through the Incident Management Team guidelines, and unique standards and authorities specific to incident types through the development of Incident/Hazard Specific Annexes to the All-Hazards Plan. In some cases, SCE will stand up an Incident Support Team (IST). ISTs are more advanced teams, whose members go through more training and are typically in a management role in the company. ISTs are also subject to IMT guidelines. In addition, the Crisis Management Council (CMC) or Officer-In-Charge may issue a delegation of authority to IST/IMT Incident Commanders to outline incident-specific authorities.

An operational flow diagram illustrating key components of its wildfire- and PSPS-specific emergency response procedures from the moment of activation to response, recovery, and restoration of service.

Separate overviews and operational flow diagrams for wildfires and PSPS events.

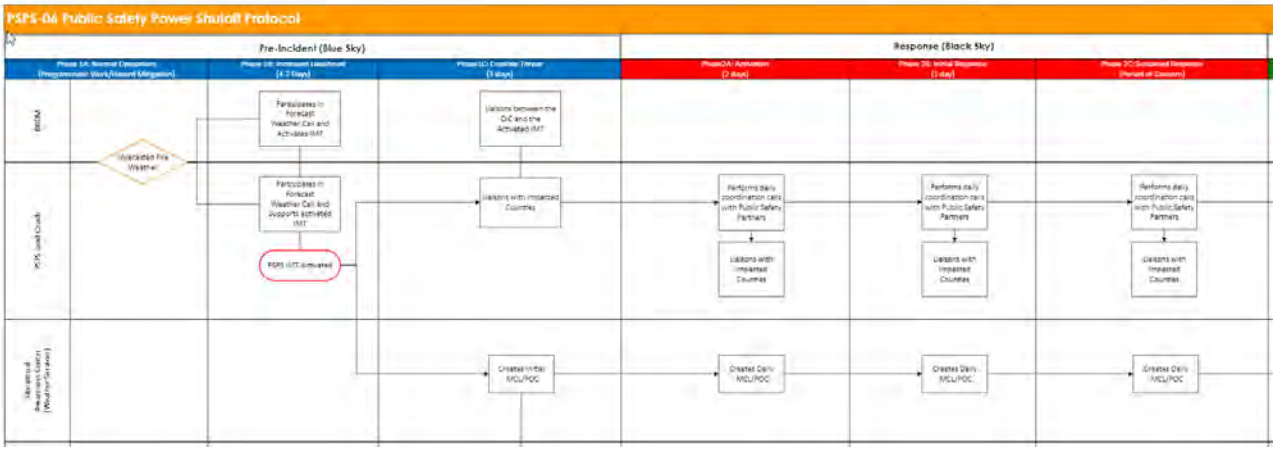
Table SCE 8-16 illustrates the phases of emergency management. These phases generally apply to wildfire and all-hazards.

Table SCE 8-16 - Emergency Management Phases

Pre-Incident			Response			Recovery
1A	1B	1C	2A	2B	2C	3A
Normal Operations	Increased Likelihood	Credible Threat	Activation	Initial Response	Sustained Response	Long-Term Recovery

Figure SCE 8-52a illustrates the phases of emergency management through a PSPS event.

Figure SCE 8-52a - PSPS Flowchart



Full chart can be found in Appendix F: Supplemental Information.

Figure SCE 8-52b illustrates the initial phases of emergency management through a wildfire event up to IMT activation.

Figure SCE 8-52b – Wildfire Incident Process Through IMT Activation

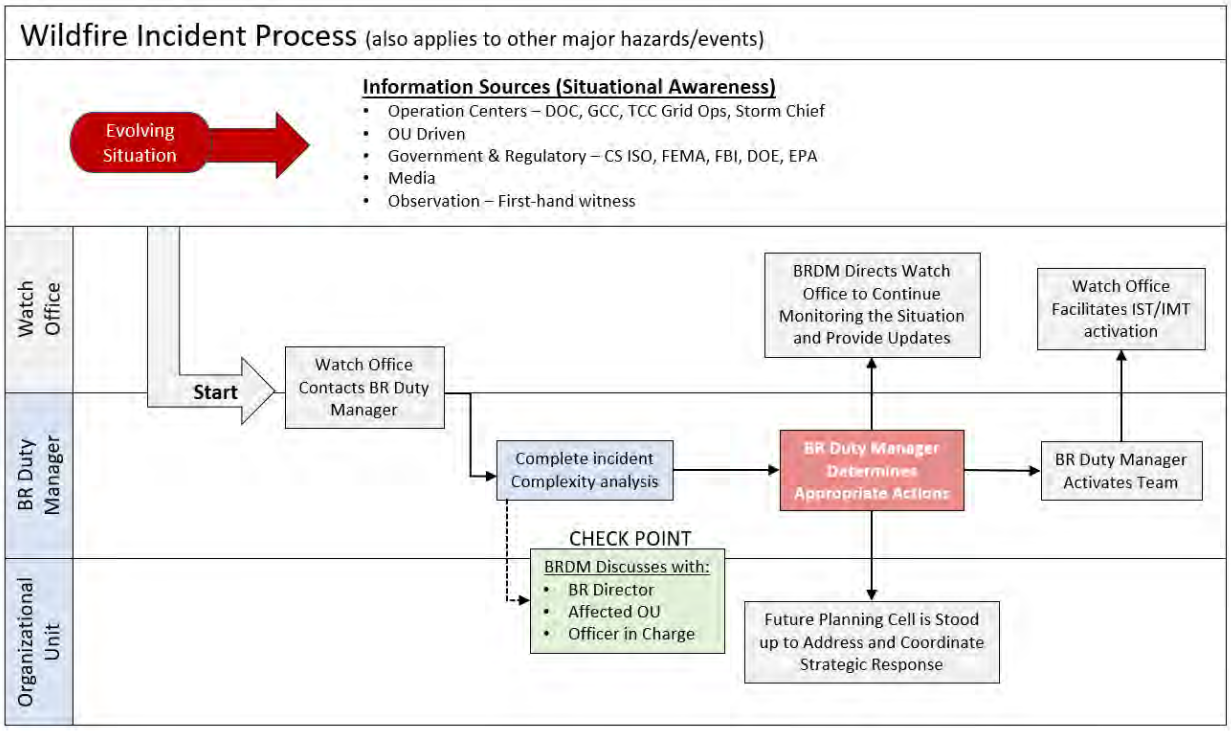
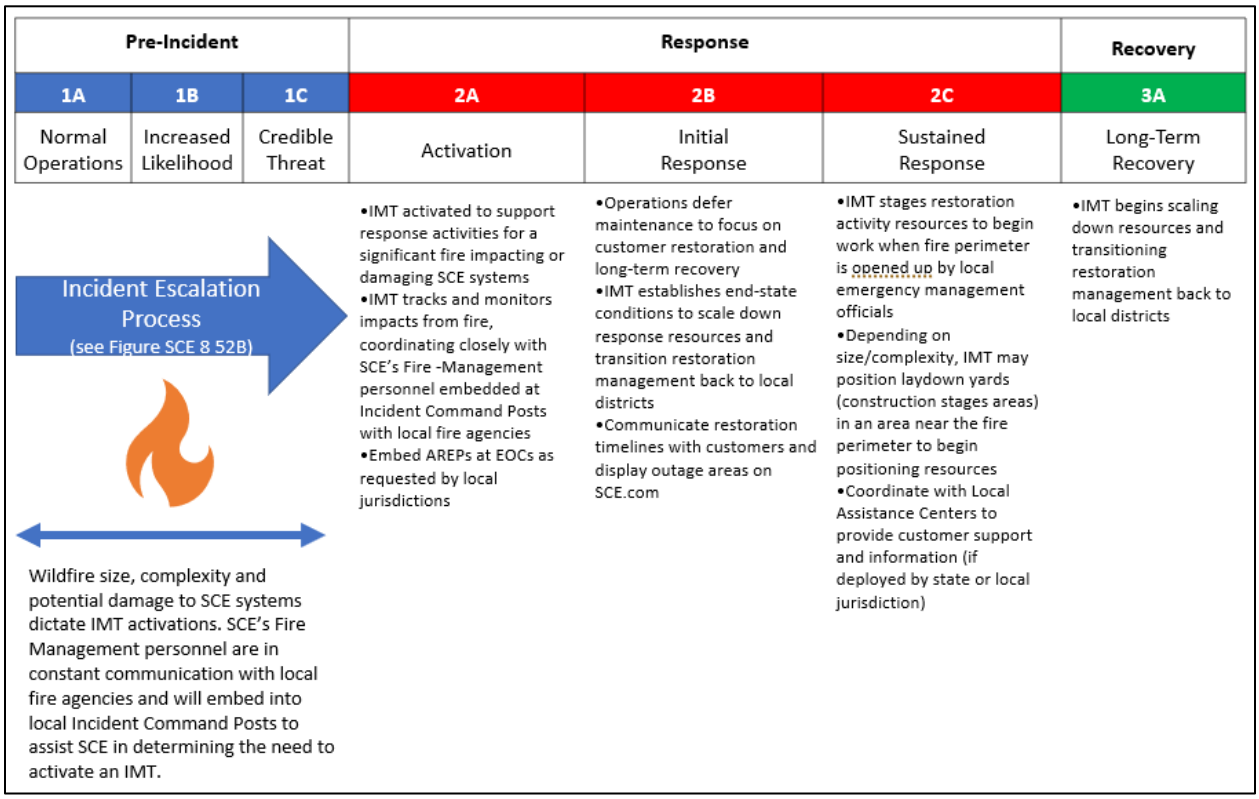


Figure SCE 8-52c illustrates the phases of emergency management through a wildfire event. SCE notes that these steps also apply to hazards generally, and that SCE continually evalutes its response practices and may adjust as needed.

Figure SCE 8-52c – Wildfire Incident Response Phases



Key personnel, qualifications, and training.

All-Hazards IMT and IST teams include qualified personnel from across the company whose emergency management roles use complimentary skills and capabilities to those used in their "blue sky" roles. For example, the Finance Section chief could be filled by someone in SCE's Financial organization. These team members acquire and master proficiency at emergency response through independent and instructor-led classes, exercises, and feedback. Their participation in the IMT program is evaluated as part of their annual year-end performance review. Small teams of trained individuals are qualified for leadership roles. Support roles have deeper rosters, and these "pooled" team members are on call one week out of every four or six weeks.

PSPS IMT teams include dedicated team membe

rs whose blue-sky functions are to develop, train, and manage the PSPS program year-round. These dedicated leads are responsible for training and managing the pooled PSPS teams.

Team members are required to take on-line training through FEMA's Emergency Management Institute (EMI) & California Specialized Training Institute (CSTI). These independent study courses provide a fundamental understanding of emergency management principles and concepts. SCE requires the following as prerequisites to classroom training:

- IS 100.c – Introduction to ICS

- IS 200.c – ICS for Single Resources & Initial Action
- IS 700.b – National Incident Management
- IS 800.d – National Response Framework, an Introduction

CSTI- certified instructors conduct the classroom training required for IST and IMT qualification. Course materials include materials pertinent to the electric utility industry as well as training for situations unique to SCE and meet national Incident Management standards. Some courses include information on SCE-specific plans or relevant technology, such as Web EOC.

Team members are required to take ICS 300 - Intermediate ICS for Expanding Incidents. IST members must complete ICS 400 after completing ICS 300.

Once training is complete, team members demonstrate proficiency in their position under the direct supervision of a fully qualified team member in their role during a functional exercise or real-world activation. Collectively, IS online and ICS classroom training and exercise/activation components are the minimum qualification requirements needed to build a baseline capability for responding to incidents. Additional familiarity and skill development take place through formal and informal learning opportunities provided throughout the year.

SCE also requires SEMS G606 (Standardized Emergency Management System Introduction Online Course) as an online course for IMT, IST, Pool Positions, and PSPS IMTs personnel. Selected IMT/IST positions also require G197 (G197 Integrating Access & Functional Needs into Emergency Management).

Each year SCE requires that all IMT, IST and pooled positions go through requalification to maintain a basic level of familiarity with their position and build on their knowledge, skills, and abilities. SCE reviews qualification requirements annually and communicates any changes out to all IMT/IST members through a cross-OU committee with representatives from all teams that are matrixed to the IMT. To maintain qualification, a member must complete the following:

- Position Specific User Group Training
- IMT/IST Requalification Training

Dedicated PSPS team members are required to attend an annual PSPS-position specific training and an exercise.

Resource planning and allocation (e.g., staffing).

Within one hour of the identification of a major outage or other emergency situation, SCE will coordinate internal resources.

When the Business Resiliency Duty Manager (BRDM) receives information that could potentially lead to an activation, analysis is applied to determine the severity of the incident and how the company should respond. The Complexity Analysis Tool is utilized to provide a standardized and rapid quantitative assessment regarding incident severity level. Severity level determines the course of action when leveraging company resources required to respond commensurate to the incident complexity.

The criteria in the Complexity Analysis tool determines the severity level of an incident and drives

activation decisions for an IMT/IST. The criteria in the Complexity Analysis is evaluated by the IC and BRDM regularly throughout an activation to assess appropriate staffing levels. This will drive a more gradual and methodical approach to both escalation and de-escalation of resources and ultimately demobilization of an IMT.

Drills, simulations, and tabletop exercises.

SCE Exercise and Evaluation Program

To foster exercise-related interoperability and collaboration, SCE has adapted the Department of Homeland Security Exercise and Evaluation Program (HSEEP), which was developed to provide an overview of exercise, development, conduct, evaluation, and improvement planning process. In alignment with HSEEP, SCE identifies gaps and lessons learned from exercises to improve the process over time. As part of this improvement process, an Integrated Preparedness Plan is developed to establish a strategy and structure for the exercise program to verify preparedness efforts are met, while setting the foundation for the planning, conduct, and evaluation of individual exercises.

Exercise Planning

HSEEP provides a set of guiding principles for exercise and evaluation programs, as well as a common approach to exercise program management, design and development, conduct, and improvement planning.

By incorporating the HSEEP process, SCE develops, executes, and evaluates exercises that address company preparedness priorities. These priorities are informed by hazards, capability assessment findings, corrective actions from previous events, and external requirements. These priorities guide the overall direction of the exercise program and the design and development of individual exercises. These priorities also guide planners as they identify exercise objectives and align them to capabilities for evaluation during the exercise.

SCE invites Public Safety Partners to observe and participate in emergency exercises to foster a high level of coordination and collaboration. Please see Table 8-41.

Coordination and collaboration with public safety partners (e.g., emergency planning, interoperable communications).

Annually, SCE coordinates emergency preparations with state, county, and local agencies, as well as Essential Customers who are defined in General Order 166 as “Customers representing critical infrastructure and Public Safety Partners.” As part of this activity, SCE has a process for confirming and maintaining contacts and communication channels.

SCE’s plan development process includes considerations and lessons learned from recent incidents and events, coordination, and consultation with key internal and external stakeholders, and follows a regular annual update and maintenance cycle, in accordance with CPUC GO-166 standards. Following emergency activations, SCE reviews that the activation and escalation standards are clear and appropriate in the plan. In addition, every two years, SCE invites local government representatives to provide consultation as the plan is updated as well as the opportunity to comment on draft plans.

SCE maintains multiple contacts for each local government potentially impacted by service interruptions

and requests that local governments provide a list of officials to be notified (i.e., Public Safety Partners, agency management, and elected officials) about service interruptions. SCE performs annual communications tests in advance of the peak wildfire season as requested by the Commission and defined by the California Department of Forestry and Fire Protection.

Notification of and communication to customers during and after a wildfire or PSPS event.

The objective of SCE's notification strategy is to provide State Agencies, Public Safety Partners, critical infrastructure and facilities providers, customers (including those with access and functional needs), and all interested stakeholders with accessible, actionable, and easy to understand information. For PSPS, this includes information provided before, during, and after events that may impact them.

SCE has established a messaging protocol that complies with all standard emergency alerting and warning protocols.

The Emergency Outage Notifications System (EONS) is the primary tool used to keep customers informed before, during, and after PSPS events. EONS allows SCE to communicate to all customer classes (receiving under 66kv power) impacted by PSPS via email, voice calls, and/or SMS. PSPS notification translations are available in 23 languages.

Please refer to Section 8.5.2 Public Outreach and Education Awareness Program for information on additional communications with customers.

Improvements/updates made since the last WMP submission.

SCE's All Hazards Plan development process includes considerations and lessons learned from recent incidents and events, coordination, and consultation with key internal and external stakeholders, and follows a regular annual update and maintenance cycle, in accordance with CPUC GO-166 standards. The current All Hazards Plan is dated December 2022 and includes additions and modifications. Please see Section 8.4.2.4 for additional information on updates and modifications made to the plan in recent years.

The overview must be no more than six pages.

In addition, the electrical corporation must provide a table with a list of current gaps and limitations in evaluating, developing, and integrating wildfire- and PSPS-specific preparedness and planning features into its overall emergency preparedness plan(s). Where gaps or limitations exist, the electrical corporation must provide a remedial action plan and the timeline for resolving the gaps or limitations. Table 8-37 provides an example of the minimum level of content and detail required.

Below is a summary of SCE's gaps and limitations in integrating wildfire and PSPS planning into emergency planning.

Table 8-37 - Key Gaps and Limitations in Integrating Wildfire- and PSPS-Specific Strategies into Emergency Plan

Gap or Limitation Subject	Remedial Brief Description	Remedial Action Plan
Training	SCE continues to mature training and exercises based on lessons learned within after action reports from exercises and real-world incidents. SCE's annual readiness activities for IMT resources who respond to PSPS events through training and exercises is based on HSEEP's improvement cycle approach.	The training and exercise program continually updates and improves training and exercises to incorporate changes to procedures and tools used for activations. Target timeline: SCE will conduct a PSPS Full-Scale Exercise in 2023, increasing complexity from the 2022 Functional Exercise.
After-action report reviews	After action reports are conducted after all PSPS exercises and real-world events to evaluate lessons learned and areas of improvement.	These reports are then translated into formal corrective actions that are tracked and monitored through completion. Target timeline: Exercise After Action reports are published as part of the annual July 1 readiness deadline and real-world incident After Action reports are produced within 2 weeks of an incident.

8.4.2.2 Key Personnel, Qualifications, and Training

In this section, the electrical corporation must provide an overview of the key personnel constituting its emergency planning, preparedness, response, and recovery team(s) for wildfire and PSPS events. This includes identifying key roles and responsibilities, personnel resource planning (internal and external staffing needs), personnel qualifications, and required training programs.

Personnel Qualifications

The electrical corporation must report on the various roles, responsibilities, and qualifications of electrical corporation and contract personnel tasked with wildfire emergency preparedness planning, preparedness, response, and recovery, and those tasked for PSPS-related events. This may include representatives from administration, information technology (IT), human resources, communications, electrical operations, facilities, and any other mission-critical units in the electrical corporation. As part of this section, the electrical corporation must provide a brief narrative describing its process for planning to meet its internal and external staffing needs for emergency preparedness planning, preparedness, response, and recovery related to wildfire and PSPS. The narrative must be no more than two to four pages.

SCE utilizes the Incident Command System (ICS) structure to guide its activations, exercises, and its planning process. The flexibility of ICS means it can be adapted for incidents and events of any type, scope, and complexity. It allows its users to adopt an integrated organizational structure that matches the complexities and demands of single or multiple incidents or events.

ICS allows for a scalable response. If a disruption is a localized, single incident in one functional area, only one IMT activates. If multiple incidents occur multiple IMTs may activate as well as an IST to coordinate the overall response and recovery activities and manage resource requirements between the IMTs.

A single IMT is typical for situations of limited scope. Additional IMTs and an IST activate for complex incidents with multiple impacts. In the event of a complex incident requiring a response by more than one IMT and coordination of those teams, the individual incident commanders adopt a Unified Command structure with all involved IMTs organized into a single team. The IST Incident Commander (IC) leads the unified command effort, and the teams work under a single set of objectives and one incident action plan.

SCE utilizes Area Command as an organizational approach for management of multiple incidents or during large incidents that cross jurisdictional boundaries. Area Command is typical for when an incident calls for a coordinated response, with large-scale coordination necessary at a higher jurisdictional level. SCE will typically organize under Area Command when a single functional business line is affected by multiple incidents across the SCE Service Territory.

SCE established a SEMS, NIMS and ICS compliant incident management structure built around Incident Management Teams (IMTs). An IMT is a group of trained personnel from different SCE organizational units called on to lead a response to an emergency or incident. IMTs typically activate for incidents expected to last longer than a day and requiring coordinated planning and resource allocation within a specific functional area. One primary IMT is:

- **Public Safety Power Shutoff (PSPS) IMT** activates when conditions are projected to meet established thresholds (combination of fuel conditions and weather). The PSPS IMT is led by a dedicated team of subject matter experts who manage each of the key positions on the team. Other supplemental team members are activated to fill out teams and to spell dedicated team members for additional shifts. In cases such as the PSPS IMT, having a dedicated team supports consistent decision making, deeper PSPS-specific experience, and greater ability to support continuous improvements and planning during non-event periods.

Among many responsibilities, these teams make de-energization recommendations, communicate potential outages with public safety partners and customers, manage company

notification activities, re-energization activities and notifications. All de-energization decisions are authorized by the incident commander. In addition, these teams are responsible for maintaining communications with state/county representatives as required by California State Public Utilities Commission. Subject Matter Experts from across the company can be activated as Technical Specialists to support IMTs.

Initial Qualification

Team members are required to take on-line training through FEMA's Emergency Management Institute (EMI) & California Specialized Training Institute (CSTI). These independent study courses provide a fundamental understanding of emergency management principles and concepts. While there are several hundred different independent study courses available, SCE only requires the following as prerequisites to classroom training:

- IS 100.c – Introduction to ICS
- IS 200.c – ICS for Single Resources & Initial Action
- IS 700.b – National Incident– Management
- IS 800.d – National Response Framework, an Introduction

CSTI certified instructors conduct the classroom training required for IST and IMT qualification. Course materials include activities unique to SCE and the electric utility industry and meet national ICS standards. Some courses include information on SCE-specific plans or technology such as Web EOC.

Team members are required to take ICS 300 - Intermediate ICS for Expanding Incidents. IST Members must complete ICS 400 after completing ICS 300.

Once training is complete, team members must demonstrate proficiency in their position under the direct supervision of a fully qualified team member during a functional exercise or real-world activation. Collectively, ICS online and classroom training, and exercise/activation components are the minimum qualification requirements needed to build a baseline capability for responding to incidents. Additional familiarity and skill development will continue to take place through formal and informal learning opportunities provided throughout the year.

SCE also requires SEMS G606 online for IMT, IST, Pool Positions and PSPS IMTs personnel

- SEMS G606 - Standardized Emergency Management System Introduction Online Course
- For selected IMT/IST positions SCE will also require G197 Integrating Access & Functional Needs into Emergency Management Training

Requalification

Each year SCE requires that all IMT, IST and pooled positions go through requalification to maintain a

basic level of familiarity with their position and build on their knowledge, skills, and abilities. SCE will annually review qualification requirements and communicate any changes to all IMT/IST members through the matrix. To maintain qualification a member must complete the following:

- Positions Specific User Group Training
- IMT/IST Requalification Training

Public Safety Power Shutoff Incident Management Teams, PSPS Task Force and PSPS Dedicated Team are required to attend an annual PSPS position specific training and an exercise.

8.4.2.2.1 Emergency Response Training (DEP-2)

SCE maintains a robust and highly skilled workforce (both employees and contractors) to provide effective emergency response and restore service during and after a major event. SCE develops technical training programs that prepare employees to perform their jobs safely, comply with regulatory requirements and laws, maintain system reliability, and leverage new technology. SCE conducts specific training on an annual basis to adequately train employees and field workers responsible for restoration of power after emergencies.

SCE also provides specialized training on an annual basis for PSPS IMT members, who oversee and execute de-energization and restoration protocols. For the purposes of DEP-2, SCE is tracking training compliance against core PSPS positions as indicated in Table 8-38.

Below is a summary of SCE's emergency preparedness staffing and qualifications.

Table 8-38 - Emergency Preparedness Staffing and Qualifications

Role	*Incident Type*	*Responsibilities*	*Qualifications*	*No. of Dedicated Staff Required*	*No. of Dedicated Staff Provided*	*No. of Contract Workers Required*	*No. of Contract Workers Provided*
PSPS Incident Commander	PSPS	• Approves monitored circuit list • Approves circuits for de-energization and re-energization • Directs mitigation strategies for potential public safety concerns and at-risk customers • Works with IMT to determine resource requirements for staffing and equipment	ICS 100, 200, 700, 800, 300, Position Specific Training, Qualifying Exercise or Shadow Activation	9	9	N/A	N/A
PSPS Operations Section Chief	PSPS	• Responsible for providing situational awareness to the IMT Incident Commander, and supervising all operational actions, air operations and customer care functions	ICS 100, 200, 700, 800, 300, Position Specific Training, Qualifying Exercise or Shadow Activation	7	7	N/A	N/A
PSPS Task Force (Substation Tech Spec, GCC Liaison, PSPS Analyst, Transmission Tech Spec, Distribution Tech Spec, Operations Compliance Tech Spec)	PSPS	• Recommends de-energization and re-energization decisions and manages field resources and circuit situational awareness	ICS 100, 200, 700, 800, 300, Position Specific Training, Qualifying Exercise or Shadow Activation	60	60	N/A	N/A
Customer Care Branch (Customer Care Branch Director, Customer Notifications Group, Access and Functional Needs Group, Customer Outreach	PSPS	• Responsible for customer programs including notifications, customer care resources and the needs of the AFN community	ICS 100, 200, 700, 800, 300, Position Specific Training, Qualifying Exercise or Shadow Activation	217	217	N/A	N/A
Planning Section Chief	PSPS	• Coordinates across IMT to establish incident response tempo and situational awareness consistency	ICS 100, 200, 700, 800, 300, Position Specific Training, Qualifying Exercise or Shadow Activation	16	16	N/A	N/A

Personnel Training

The electrical corporation must report on its internal personnel training program(s) for wildfire and PSPS emergency events. This training must include, at a minimum, training on relevant policies, practices, and procedures before, during, and after a wildfire or PSPS event. The reporting must include, at a minimum:

- *The name of each training program*
- *A brief narrative on the purpose and scope of each program*
- *The type of training method*
- *The schedule and frequency of training programs*
- *The percentage of staff who have completed the most current training program*
- *How the electrical corporation tracks who has completed the training programs Table 8-39 provides an example of the minimum acceptable level of information.*

*E*xternal Contractor Training

The electrical corporation must report on its external contractor training program(s) for wildfire and PSPS emergency events. This training must include, at a minimum, training on relevant policies, practices, and procedures before, during, and after a wildfire or PSPS event. The reporting must include, at a minimum:

- *The name of each training program*
- *A brief narrative on the purpose and scope of each program*
- *The type of training method*
- *The schedule and frequency of training programs*
- *The percentage of contractors who have completed the most current training program*
- *How the electrical corporation tracks who has completed the training programs*

SCE does not provide training to its Contract Field Workforce and instead, provides Orientation via Train the Trainer sessions with contractor Supervisors on PSPS patrolling and Live Field Observations protocols, and any updates since prior year; contractor Supervisors train their own field crews and submits attendance rosters to SCE.

Table 8-40 provides an example of the minimum acceptable level of information.

Below is a summary of SCE's Emergency Preparedness training programs.

Table 8-39 - Electrical Corporation Personnel Training Program

Training Topic	***Purpose and Scope***	***Training Method***	***Training Frequency***	***Position or Title of Personnel Required to Take Training***	***# Personnel Requiring Training***	***# Personnel Provided with Training***	***Form of Verification or Reference***
IS 100, 200, 700, 800	Incident command system fundamentals and basics. Standard training introducing personnel to the concepts of organized emergency response	Web Based Training via FEMA	Initial qualification – persons take once	All IMT / IST personnel	N/A - All IMT members	N/A - All active duty personnel rostered for an IMT	IMT Training materials and Attendance Rosters
ICS 300	ICS-300 provides an in-depth focus on the NIMS Incident Command System (ICS) that includes the tools, practices, and procedures that are available in ICS to effectively manage emergency incidents or planned local events at a local Type 3 level. Expanding upon ICS-100 and -200, this course ensures that responders understand the basic ICS concepts that allow an incident management organization to expand and contract as needed to fit the incident and maintain its operational effectiveness	Instructor Led Training	Initial qualification – persons take once	All IMT / IST personnel	N/A - All IMT members	N/A - All active duty personnel rostered for an IMT	IMT Training materials and Attendance Rosters
PSPS Position Specific Training	These courses provide IMT and IST members with an understanding of the position-specific duties, responsibilities, and capabilities of their positions. The courses provide information on their role and information on how to successfully execute on their role during all types of incidents. PSPS Position/Function Specific:	Instructor Led Training	Initial qualification – persons take once	All personnel assigned to a PSPS IMT	N/A - All PSPS IMT members	N/A - All active duty personnel rostered for a PSPS IMT	IMT Training materials and Attendance Rosters
PSPS General Training	Provide hazard-specific information to personnel based on the PSPS response plan, specifically review the interdependencies of the different positions on the team and how the key functions are executed in PSPS incidents and activations.	Virtual	Annually	All personnel assigned to a PSPS IMT	N/A - All PSPS IMT members	N/A - All active duty personnel rostered for a PSPS IMT	IMT Training materials and Attendance Rosters

Below is a summary of SCE's Emergency Preparedness contractor training programs.

Table 8-40 - Contractor Training Program

Training Topic	*Purpose and Scope*	*Training Method*	*Training Frequency*	*Position or Title of Personnel Required to Take Training*	*# Contractors Requiring Training*	*# Contractors Completed Training*	*Form of Verification or Reference*
PSPS Patrolling & Live Field Observation (LFO) Orientation for Contractors	Provide awareness of: • The Wildfire Mitigation Plan (WMP) • PSPS Incident Management • Circuit Switch Plans (to minimize customer impact) • Updates to "Operation of Circuits Traversing High Fire Risk Areas" procedure • Patrolling scenarios under various operating conditions • Timing of LFO deployment • PSPS Field Tools (PSPS Patrol Form) • Communication protocols when hazardous conditions exist • Various Patrolling Scenarios	Train the Trainer	Annually	Line Contract Worker	576	576	Training materials and Attendance Rosters

8.4.2.3 Drills, Simulations, and Tabletop Exercises

Discussion-based and operational-based exercises enhance knowledge of plans, allow personnel to improve their own performance, and identify opportunities to improve capabilities to respond to real wildfire emergency events and PSPS events. Exercises also provide a method to evaluate an electrical corporation's emergency preparedness plan and identify planning and/or procedural deficiencies.

Internal Exercises

The electrical corporation must report on its program(s) for conducting internal discussion- based and operations-based exercises for both wildfire and PSPS emergency events. This must include, at a minimum:

- *The types of discussion-based exercises (e.g., seminars, workshops, tabletop exercises, games) and operations-based exercises (e.g., drills, functional exercises, full-scale exercises)*
- *The purpose of the exercises*
- *The schedule and frequency of exercise programs*
- *The percentage of staff who have completed/participated in exercises*
- *How the electrical corporation tracks who has completed the exercises.*

*T*able 8-41 provides an example of the minimum acceptable level of information.

External Exercises

The electrical corporation must report on its program(s) for conducting external discussion- based and operations-based exercises for both wildfire and PSPS emergency events. This must include, at a minimum:

- *The types of discussion-based exercises (e.g., seminars, workshops, tabletop exercises, games) and operations-based exercises (e.g., drills, functional exercises, full-scale exercises)*
- *The schedule and frequency of exercise programs*
- *The percentage of public safety partners who have participated in these exercises*
- *How the electrical corporation tracks who has completed the exercises*

*T*able 8-42 provides an example of the minimum acceptable level of information.

External agencies and jurisdictions maintain responsibility for developing and delivering their own exercise programs. Therefore, SCE does not run an external exercise program. Where appropriate, SCE coordinates exercises with external agencies or invites external participation in SCE exercises when the scenario and objectives overlap with external partner agencies. SCE also sends personnel to external exercises when invited to participate.

Below is a summary of SCE's Emergency Preparedness internal exercise programs.

Table 8-41 - Internal Drill, Simulation, and Tabletop Exercise Program

*External agencies and jurisdictions invited to participate in this exercise.

Category	***Exercise Title and Type***	***Purpose***	***Exercise Frequency***	***Position or Title of Personnel Required to Participate***	***# Personnel Participation Required***	***# Personnel Participation Completed***	***Form of Verification or Reference***
Discussion Based	Tabletop Exercise	Provide awareness and understanding of roles and responsibilities, existing documentation, policies, and procedures.	Annually	PSPS IMT Positions	Varies	Varies	Situation Manual, Registration Sheets
Operations Based	Drill	Provide awareness and understanding of roles and responsibilities, and how to execute on discrete tasks and actions.	As Needed	Targeted IMT positions as identified via the exercise planning process	Varies	Varies	Situation Manual, Registration Sheets
Operations Based	Functional Exercise	Demonstrate an ability to successfully execute roles and responsibilities of an IMT through a set period of time and incident response. Confirm positions are able to successfully work across incident response functions and work as a team in support of objectives.	Annually	PSPS IMT positions	Varies	Varies	Exercise Plan, Registration Sheets
Operations Based	Full Scale Exercise*	Successfully work across multiple levels of response to execute on roles and responsibilities in an incident. Demonstrate ability to work across complex systems and in response to a significant, high-impact scenario.	As Needed	PSPS IMT positions	Varies	Varies	Exercise Plan, Registration Sheets

Below is a summary of SCE's Emergency Preparedness external exercise programs.

Table 8-42 - External Drill, Simulation, and Tabletop Exercise Program

Category	***Exercise Title and Type***	***Purpose***	***Exercise Frequency***	***Position or Title of Personnel Required to Participate***	***# Personnel Participation Required***	***# Personnel Participation Completed***	***Form of Verification or Reference***
Please see Section 8.4.2.3 External Exercises for additional information							

8.4.2.4 Schedule for Updating and Revising Plan

The electrical corporation must provide a log of the updates to its emergency preparedness plan since 2019 and the date of its next planned update.

Updates should occur every two years, per R. 15-06-009 and D. 21-05-019. For each update, the electrical corporation must provide the following:

- *Year of updated plan*
- *Revision type (e.g., addition, modification, elimination)*
- *Component modified (e.g., communications, training, drills/exercises, protocols/procedures, MOAs)*
- *A brief description of the lesson learned that informed the revision*
- *A brief description of the specific addition, modification, or elimination Table 8-43 provides an example of the minimum acceptable level of information.*

Below is a summary of updates to SCE's Emergency Preparedness plans.

Table 8-43 - Wildfire-Specific Updates to the Emergency Preparedness Plan

ID #	*Year of Updated Plan*	*Revision Type*	*Lesson Learned*	*Revision Description*	*Reference Section*
1	2021 AHP	Creation	Consolidated and expanded various annexes/response plans into an All-Hazards Plan	Creation of AHP	Entire document
2	2021 AHP	Creation	GO 166 standards and criteria	Inclusion of GO 166 standards and criteria	Reference Table; Chapters 2, 5 and Annual Filing
3	2021 AHP	Creation	Organization response information, including national and state guidelines (NIMS, SEMS)	Inclusion of NIMS and SEMS guidelines	Section 1: Purpose and Scope; Chapter 3: Organization; Chapter 4: Preparedness
4	2022 AHP	Addition	Proactive development of the AHP	Expansion of damage assessment, situational awareness, and restoration prioritization concepts of operation	Chapter 5: Concept of Operations
5	2022 AHP	Addition	Proactive development of the AHP	Incorporation of FERC Standards of Conduct	Appendix C
6	2022 AHP	Addition	Proactive development of the AHP	Inclusion of Macro Messaging	Appendix B
7	2022 AHP	Addition	Further clarification for GO 166 requirements stemming from internal self-assessment	Added detail for GO166 compliance areas such as post event data requirements for Call Center and Customer Average Interruption Duration Index (CAIDI)	Chapter 5: Major Outage and Restoration Estimate Communication
8	2022 AHP	Addition	Proactive development of the AHP	Inclusion of Major Outage criteria and Storm definitions	Chapter 2: Storm Conditions, Major Outages, and Measured Events
9	2022 PSPS Protocol	Modification	Proactive development of PSPS Protocol	• Plan language updated to reflect relevant changes to PSPS protocols and IMT positions • Organizational chart updated • Hyperlinks to processes and procedures in the body of the document removed • Formatting changes for plan cohesion and flow	Overall document
10a	2022 PSPS Protocol	Modification	Proactive development of PSPS Protocol	Added introduction section to address alignment with SEMS/NIMS	Introduction
10b	2022 PSPS Protocol	Modification	Proactive development of PSPS Protocol	• Minor revisions for cohesion and flow; added Concurrent Emergencies • Minor revisions for formatting and updated IMT roles • Substantive revisions to include the Centralized Data Platform and iPEMS systems	• Section 6 • Section 8 • Section 9

ID #	*Year of Updated Plan*	*Revision Type*	*Lesson Learned*	*Revision Description*	*Reference Section*
10c	2022 PSPS Protocol	Modification	Proactive development of PSPS Protocol	• Added link to PSPS Process Flow • Renamed Attachments • Updated Attachment C: IMT Organizational Structures • Updated Attachment D: High Fire Risk Area (HFRA) Map	Attachments

8.4.3 External Collaboration and Coordination

8.4.3.1 Emergency Planning

In this section, the electrical corporation must provide a high-level description of its wildfire and PSPS emergency preparedness coordination with relevant public safety partners at state, county, city, and tribal levels within its service territory. The electrical corporation must indicate if its coordination efforts follow California's SEMS or, where relevant for multi-jurisdictional electrical corporations (e.g., PacifiCorp), the Federal Emergency Management Agency (FEMA) National Incident Management Systems (NIMS), as permitted by GO 166. The description must be no more than a page.

SCE uses the California Standardized Emergency Management System (SEMS) and the Federal National Incident Management System. Emergency events are managed using the Incident Command System through an Emergency Operations Center (or virtual EOC as required).

Depending on the circumstances, one or multiple Incident Management Teams may be activated. For more complex incidents, including concurrent emergencies, an Incident Support Team may be activated to manage the totality of the incident including prioritization and resource allocation. The IST will direct all aspects of communications and outreach including coordination with external agencies and first responders.

SCE maintains multiple contacts for each local government potentially impacted by service interruptions. SCE requests that local governments provide a list of officials to be notified (i.e., Public Safety Partners, agency management, and elected officials) about service interruptions. SCE performs an annual communications test in advance of the peak wildfire season as requested by the Commission and defined by the California Department of Forestry and Fire Protection.

During an EOC activation, SCE shares incident related information and timely notifications with public safety partners through the incident Liaison Officer and other SCE designees (Customer Support Branch Director, Regulatory Affairs Technical Specialist) tasked with coordination/notification of public safety partners.

The Command and General Staff provide interface between SCE and public sector emergency management and elected officials. Interface with public sector emergency management and elected officials is primarily conducted through the IST/IMT Liaison Officers and SCE Agency Representatives. As part of external coordination, SCE establishes two-way communication during an incident to share incident status, restoration strategies, and priorities.

In addition, the electrical corporation must provide the following information in tabular form, with no more than one page of information in the main body of the WMP and a full table, if needed, in an appendix:

List of relevant state, city, county, and tribal agencies within the electrical corporation's service territory and key point(s) of contact, with associated contact information. Where necessary, contact information can be redacted for the public version of the WMP.

For each agency, whether the agency has provided consultation and/or verbal or written comments in preparation of the most current wildfire- and PSPS-specific emergency preparedness plan. If so, the electrical corporation should provide the date, time, and location of the meeting at which the agency's feedback was received.

For each agency, whether it has an MOA with the electrical corporation on wildfire and/or PSPS emergency preparedness, response, and recovery activities. The electrical corporation must provide a brief summary of the MOA, including the agreed role(s) and responsibilities of the external agency before, during, and after a wildfire or PSPS emergency.

In a separate table, a list of current gaps and limitations in the electrical corporation's existing collaboration efforts with relevant state, county, city, and tribal agencies within its territory. Where gaps or limitations exist, the electrical corporation must indicate the remedial action plan and the timeline for resolving the gaps or limitations.

For all requested information, a form of verification that can be provided upon request for compliance assurance.

The electrical corporation must reference the Utility Initiative Tracking ID where appropriate.

Table 8-44 and Table 8-45 provide examples of the minimum level of content and detail required.

Below is a summary of contacts and collaboration SCE maintains with State and local agencies. This table is provided in full within the supporting documents folder at https://www.sce.com/safety/wild-fire-mitigation.

Table 8-44 - State and Local Agency Collaboration(s)

Name of State or Local Agency	***Point of Contact and Information*** **Confidential Information in Accordance with California Law and Regulations**			***Emergency Preparedness Plan Collaboration – Last Version of Plan Agency Collaborated***	***Emergency Preparedness Plan Collaboration – Collaborative Role***		***Memorandum of Agreement (MOA)?***	***Brief Description of MOA***
Acton Town Council				General WMP Plan and PSPS Protocols	Acton Town Council Concerned About Uptick in Emergency Outages	6/17/2022	N/A	N/A
Adelanto				General WMP Plan and PSPS Protocols	City of Adelanto WMP/Reliability Meeting Schedule	6/9/2022	N/A	N/A
Agoura Hills				General WMP Plan and PSPS Protocols	Wildfire Update	6/21/2022	N/A	N/A
Agua Caliente Band of Cahuilla Indians				General WMP Plan and PSPS Protocols	2022 Circuit Reliability Report sent	N/A	N/A	N/A
Alhambra				General WMP Plan and PSPS Protocols	Alhambra: June 2022 Vice Mayor Andrade-Stadler To Attend 6/29 EOC Tour	6/29/2022	N/A	N/A
Full table is included within the supporting documents folder at https://www.sce.com/safety/wild-fire-mitigation.								

Below is a summary of SCE's gaps and limitations on collaborations with state and local agencies.

Table 8-45 - Key Gaps and Limitations in Collaboration Activities with State and Local Agencies

Gap or Limitation Subject	Remedial Brief Description	Remedial Action Plan
Resiliency Zones	Back-up generator at Resiliency Zone was not efficiently deployed due to incomplete equipment specifications.	**Strategy:** SCE will clarify the complete specifications for each of the eight Resiliency Zones so that the specifications are prepared and ready for future deployments • Target completion: 2023
External Coordination Calls and Debrief	SCE engages with its emergency management partners at the county and state level by hosting daily coordination calls with impacted agencies. SCE also conducts daily personalized PSPS outreach and engagement calls for both critical infrastructure providers and the AFN community.	**Strategy:** SCE will evaluate its current strategy for conducting multiple daily operational briefings to identify opportunities to amplify and optimize engagement with public safety partners while reducing possible redundancy. SCE will hold debriefs to capture feedback with CBOs after major incidents. • Target timeline: 2023 season

8.4.3.2 Communication Strategy with Public Safety Partners

The electrical corporation must describe at a high level its communication strategy to inform external public safety partners and other interconnected electrical corporation partners of wildfire, PSPS, and re-energization events as required by GO 166 and Public Utilities Code section 768.6. This must include a brief description of the policies, practices, and procedures the electrical corporation adopts to establish appropriate communication protocols with public safety partners for both wildfire- and PSPS-specific incidents to ensure timely, accurate, and complete communications. The electrical corporation must refer to its emergency preparedness plan as needed to provide more detail. The narrative must be no more than two pages.

Please see Section 8.4.2.1 Overview of Wildfire and PSPS Emergency Preparedness and Section 8.5.2.2 Public Outreach and Education Awareness Program for the communication strategy with public safety partners.

As each public safety partner will have its own unique communication protocols, procedures, and systems, the electrical corporation must coordinate with each entity individually. The electrical corporation must summarize the following information in tabulated format:

- *All relevant public safety partner groups (e.g., fire, law enforcement, OES, municipal governments, Energy Safety, CPUC, other electrical corporations) at every level of administration (state, county, city, or tribe) as needed.*
- *The names of individual public safety entities.*
- *For each entity, the point of contact for emergency communications coordination, and the contact information. Information may be redacted as needed.*
- *Key protocols for ensuring the necessary level of voice and data communications (e.g., interoperability channels, methods for information exchange, format for each data typology, communication capabilities, data management systems, backup systems, common alerting protocols, messaging), and associated references in the emergency plan for more details.*
- *Frequency of prearranged communication review and updates.*
- *Date of last discussion-based or operations-based exercise(s) on public safety partner communication.*

In a separate table, the electrical corporation must list the current gaps and limitations in its public safety partner communication strategy coordination. Where gaps or limitations exist, the electrical corporation must indicate the remedial action plan and the timeline for resolving the gaps or limitations. For all requested information, the electrical corporation must indicate a form of verification that can be provided upon request for compliance assurance.

Table 8-46 and Table 8-47 provide examples of the minimum level of content and detail required.

Below is a summary of SCE's Emergency Preparedness communication procedures with Public Safety Partners.

Table 8-46 - Example of High-Level Communication Protocols, Procedures, and Systems with Public Safety Partners

This table is provided in full within the supporting documents folder at https://www.sce.com/safety/wild-fire-mitigation.

* See individual line items for contact information

** Information applies to all rows within entire column

Public Safety Partner Group*	Name of Entity*	Point of Contact and Information*	Key Protocols**	Frequency of Prearranged Communication Review and Update**	Communication Exercise(s): Date of Last Completed**	Communication Exercise(s): Date of Planned Next**

See individual line items in full table	See individual line items in full table	See individual line items in full table	• Update contact lists of public safety partners on an ongoing basis
			• Take actions to address any problems or deficiencies identified during an exercise
			• Business contact to be sent a message according to enrolled channel preference(es) (SMS, email, call)
			• Messages sent to inform of potential PSPS events and actual de-energizations and re-energizations:
			  • Initial
			  • Update
			  • Expected Shutoff
			  • Shutoff
			  • Imminent Restoration
			  • Restoration
			  • Event Concluded
			• Undeliverable contacts will be reviewed and updated
				Conduct a minimum of two exercises prior to the WF season		

Full table is included within the supporting documents folder at https://www.sce.com/safety/wild-fire-mitigation.						

Table 8-47 - Key Gaps and Limitations in Communication Coordination with Public Safety Partners

Gap or Limitation Subject	Remedial Brief Description	Remedial Action Plan
Public Safety Portal	Delay between e-mail notifications and data updates being posted on Public Safety Partner Portal.	SCE is in the process of updating portal alert notifications to coincide with data being posted on external platforms. Target timeline: 2023

8.4.3.3 Mutual Aid Agreements

In this section, the electrical corporation must provide a brief overview of the Mutual Aid Agreements (MAA) it has entered into regarding wildfire emergencies and/or disasters, as well as PSPS events. The overview narrative must be no more than one page.

SCE participates in mutual assistance agreements at the State, Regional and National levels.

State-level mutual assistance is requested when SCE identifies that resource requirements will exceed existing capabilities. SCE will coordinate with in-state utilities through the California Utilities Emergency Association (CUEA) to request resource needs. CUEA is responsible for facilitating mutual assistance requirements between requesting and responding utilities.

In the event of statewide resource shortfalls, mutual assistance requests are then escalated to the Western Regional Mutual Assistance Group (WRMAG). WRMAG facilitates mutual assistance coordination at the regional-level between member utilities.

A National Response Event (NRE) is when a natural or man-made event is forecasted to cause or that causes widespread power outages impacting a significant population or several regions across the United States and requires resources from multiple Regional Mutual Assistance Groups (RMAGs). An NRE declaration is made by the Edison Electric Institute and is reserved only for events that may result in a widespread power outage, such as a major hurricane, earthquake, or an act of war, impacting industry's mutual assistance efforts.

8.4.3.3.1 Aerial Suppression (DEP-5)

Due to the limited availability of fire suppression resources available statewide, in 2021 SCE partnered with Los Angeles, Ventura, and Orange Counties to support their proposal to fund the stand-by time of aerial suppression resources to reduce wildfire risk to SCE's system and help protect SCE's infrastructure and communities. SCE established a funding agreement with each fire agency, pursuant to which SCE funded the cost of stand-by time for the helicopters, and each fire agency paid for flight time when the helicopters were used to fight fires.

Operational decisions regarding where and when the assets are used are at the discretion of the individual fire agencies and are prioritized and deployed by a regional fire coordination center, primarily within the SCE service territory. A regional fire agency coordination center maintains responsibility for directing the aerial suppression resources, using their existing prioritization and deployment process.

Starting in December 2022, SCE entered a new funding agreement with Los Angeles, Orange, and Ventura County fire agencies and expand QRF coverage from 165-days to year-round. SCE will continue to monitor funding and access to aerial suppression resources in SCE's service area to determine the need for continued investment in this area. Although the fire suppression assets are intended primarily for use in fighting wildfires in SCE's service territory, SCE relies on the professional judgment of the agencies to inform day to day operations, including determining how and when to deploy the assets.

In addition, the electrical corporation must provide the following wildfire emergency information in tabulated format:

- *List of entities with which the electrical corporation has entered into an MAA*
- *Scope of the MAA*
- *Resources available from the MAA partner*

Table 8-48 provides an example of the minimum level of content and detail required.

Below is a summary of SCE's mutual aid agreements during wildfire and de- energization events.

Table 8-48 - High-Level Mutual Aid Agreement for Resources During a Wildfire or De-Energization Incident

Mutual Aid Partner	***Scope of Mutual Aid Agreement***	***Available Resources from Mutual Aid Partner***
California Utilities Emergency Association Mutual Assistance Agreement (CUEA) - 44 Member Companies	Both: Any storm, disaster, and/or catastrophic incident requiring supplemental resources and/or equipment provided to a private, municipal, and cooperative utility(s) that is a party to the CUEA mutual assistance agreement in support of electrical and gas restoration.	D-Line, T-Line, Substation, Veg Mgmt, DA, Gas, and ICS position-specific resources, and/or associated equipment and materials.
Edison Electric Institute Mutual Assistance Agreement (EEI) - Investor Owned Utilites across the U.S.	Both: Any storm, disaster, and/or catastrophic incident requiring supplemental resources and/or equipment provided to investor owned utility(s) that is a party to the EEI mutual assistance agreement in support of electrical restoration.	D-Line, T-Line, Substation, Veg Mgmt, DA, and ICS position-specific resources, and/or associated equipment and materials.
Western Energy Institute (WEI) - 62 Member Companies	Both: Any storm, disaster, and/or	D-Line, T-Line, Substation, Veg Mgmt, DA, Gas, and ICS

Mutual Aid Partner	*Scope of Mutual Aid Agreement*	*Available Resources from Mutual Aid Partner*
	catastrophic incident requiring supplemental resources and/or equipment provided to a private, municipal, and cooperative utility(s) that is a party to the Western Region Mutual Assistance Agreement (WRMAA) in support of electrical and gas restoration.	position-specific resources, and/or associated equipment and materials.
Los Angeles, Ventura, and Orange County Fire Agencies	Wildfire: Funding of stand-by time of aerial suppression resources.	Aerial suppression resources.

8.4.4 Public Emergency Communication Strategy

The electrical corporation must describe at a high level its comprehensive communication strategy to inform essential customers and other stakeholder groups of wildfires, outages due to wildfires, and PSPS and service restoration, as required by Public Utilities Code section 768.6. This should include a discussion of the policies, practices, and procedures the electrical corporation adopts to establish appropriate communication protocols to ensure timely, accurate, and complete communications. The electrical corporation may refer to its Public Utilities Code section 768.6 emergency preparedness plan to provide more detail. The narrative must be no more than one page.

SCE communicates with the public during and immediately following major outages and emergencies. SCE coordinates with various entities and key stakeholders on education, outreach, and feedback in preparation for emergency events which result in any type of outage. This preparedness extends to overall customer resiliency and while it has initially been directed to address PSPS, many of the efforts are also broadly applicable to other extended outages or emergencies.

Additionally, website improvements are being implement for customers to increase awareness of wildfire mitigation activities, receive up to date information regarding events and learn when an event is impacting their area. Website improvements will include digital user testing and research, content audit, end-to-end journey mapping, and user experience design improvements to deliver a simplified user experience for customers.

Please see Section 8.4.2.1 Overview of Wildfire and PSPS Emergency Preparedness and Section 8.5.2.2 Public Outreach and Education Awareness Program for additional information responsive to this prompt.

In the following sections, the electrical corporation must provide an overview of the following components of an effective and comprehensive communication strategy:

- *Protocols for emergency communications*
- *Messaging*
- *Current limitations*

Reference the Utility Initiative Tracking ID where appropriate.

8.4.4.1 Protocols for Emergency Communications

The electrical corporation must identify the relevant stakeholder groups in its service territory and describe the protocols, practices, and procedures used to provide notification of wildfires, outages due to wildfires and PSPS, and service restoration before, during, and after each incident type. Stakeholder groups include, but are not limited to, the general public, priority essential services, AFN populations, populations with limited English proficiency, tribes, and people in remote areas. The narrative must include a brief discussion of the decision-making process and use of best practices to ensure timely, accurate, and complete communications. The narrative must be no more than one page.

Please see Section 8.4.2.1 Overview of Wildfire and PSPS Emergency Management and Section 8.5.2.2 Public Outreach and Education Awareness Program for additional information responsive to this prompt.

The electrical corporation must also provide, in tabular form, details of the following:

- *Communication methods*
- *Message receipt verification mechanisms*

Table 8-49 provides an example of the minimum level of content and detail required.

Below is a summary of SCE's Emergency Preparedness communications.

Table 8-49 - Protocols for Emergency Communication to Stakeholder Groups

Stakeholder Group	***Event Type***	***Method(s) for Communicating***	***Means to Verify Message Receipt***
State agencies	PSPS	Delivers notices in recipient's preferred channel: email, SMS	N/A
Public safety partners	PSPS	Delivers notices in recipient's preferred channel: voice, email, SMS	Information is available as long as customer is signed up to receive notifications and there is an emergency preference alert (Water/wastewater and Communication Sector)
Critical facilities and infrastructure Customers	PSPS	Delivers notices in recipient's preferred channel: voice, email, SMS	Information is available as long as customer is signed up to receive notifications and there is an emergency preference alert
All customers including AFN	PSPS	Delivers notices in recipient's preferred channel: voice, email, SMS	Information is available as long as customer is signed up to receive notifications and there is an emergency preference alert. Verification of notification is only conducted for MBL, Critical Care and Self Certify
Local governments	PSPS	Delivers notices in recipient's preferred channel: email, SMS	N/A
Tribal governments	PSPS	Delivers notices in recipient's preferred channel: email, SMS	Recipient can acknowledge receipt of email
First responders	PSPS	Delivers notices in recipient's preferred channel: email, SMS	Recipient can acknowledge receipt of email
Non-customers who signed up for alerts and all other parties	PSPS	Address level alerts: email, SMS and voice Public Safety Portal, SCE.com, social media	Information is available as long as non-account holder is signed up in the address level alert portal hosted by vendor Message Broadcast.
State agencies	Maintenance or Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	N/A
Public safety partners	Maintenance or Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	N/A
Local governments	Maintenance or Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	N/A
Tribal governments	Maintenance or Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	N/A
First responders	Maintenance or Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	N/A
Essential Use Customers	Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	Verification of receipt of voice communication
Major Customers	Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	Verification of receipt of Voice communication
All customers including Medical Baseline and Critical Care	Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	Verification of receipt of Voice communication
Unassigned/Residential	Repair Outage related to Wildfire	Delivers notices in recipient's preferred channel: voice, email, SMS	Only able to verify receipt of Voice communication
Essential Use Customers	Wildfire – As needed communication	Delivers notices in recipient's preferred channel: voice, email, SMS	Information is available as long as customer is signed up to receive notifications and there is an emergency preference alert

Stakeholder Group	***Event Type***	***Method(s) for Communicating***	***Means to Verify Message Receipt***
Major Customers	Wildfire – As needed communication	Delivers notices in recipient's preferred channel: voice, email, SMS	Information is available as long as customer is signed up to receive notifications and there is an emergency preference alert
All customers including Medical Baseline and Critical Care	Wildfire – As needed communication	Delivers notices in recipient's preferred channel: voice, email, SMS	Information is available as long as customer is signed up to receive notifications and there is an emergency preference alert
Unassigned/Residential	Wildfire – As needed communication	Delivers notices in recipient's preferred channel: voice, email, SMS	Information is available as long as customer is signed up to receive notifications and there is an emergency preference alert

8.4.4.2 Messaging

In this section, the electrical corporation must describe its procedures for developing effective messaging to reach the largest percentage of stakeholders in its service territory before, during, and after a wildfire, an outage due to wildfire, or a PSPS event.

In addition, the electrical corporation must provide an overview of the development of the following aspects of its communication messaging strategy:

- *Features to maximize accessibility of the messaging (e.g., font size, color contrast analyzer)*
- *Alert and notification schedules*
- *Translation of notifications*
- *Messaging tone and language*
- *Key components and order of messaging content (e.g., hazard, location, time)*

The narrative must be no more than one page.

All emergency management communications follow SCE's "One-Voice" communications strategy. This strategy adopted following the 2011 SCE response to windstorms in our service area requiring all communications across SCE through all channels to follow initial messaging laid out in a One Voice internal messaging document issued periodically via e-mail by the public information officer (PIO) and approved by the IC.

Channels using One Voice messaging include written communications, media outreach, SCE.com, and direct communication with customers (through the call center) and local officials (through the liaison officers). One Voice messaging is updated daily or more frequently when there is significant updated information available such as a substantial change in number of customers de-energized.

All messaging is written by PIOs, who are fully IMT-trained and have received additional specialized PIO and SCE-specific communications training. PIOs all serve in communications roles in their blue-sky roles or have communications backgrounds. PSPS PIOs can be in other marketing or communications roles across SCE or have moved from these roles into other roles across the company. There is a dedicated PIO resource on the PSPS IMT, whose blue-sky role is to develop and manage PSPS communications year-round and to prepare the team for activations.

One Voice messaging can be adapted by internal users to meet channel requirements. For example, the specific language and format used by social media will not be the same as language and format used in the call center. However, the messaging remains constant. The breadth of channels maximizes accessibility. Stakeholders can access messages verbally, through the call center, in a Web Content Accessibility Guidelines (WCAG)-compliant format through SCE.com, or via media reports. Outage communications and PSPS notifications are sent to customers in the format and channel of their choice. PSPS notifications are also available in multiple languages and formats; please see Section 8.5.2 Public Outreach and Education Awareness Program for additional information on these communications and notifications.

PSPS Notifications are written in simplified direct language with the goal of providing message clarity and actionable information. They are translated into 19 languages that are prevalent in SCE's service territory as well as three indigenous (spoken) languages. Static versions of PSPS notifications translated into the prevalent languages can be accessed via SCE's Wildfire Communications Center (*https://www.sce.com/wildfire/wildfire-communications-center)*

PSPS notifications follow the alerts and warnings systems in the California Public Alert and Warning System (CalPAWS) Plan.

Initial notifications are classified as alerts, in keeping with the definition that alerts "draw the attention of recipients to some previously unexpected or unknown condition or event."

Update notifications 24 hours before the onset of the period of concern are classified as warnings, in keeping with the definition that warnings encourage "recipients to take immediate protective actions appropriate to some emergent hazard or threat."

Other notifications, including PSPS Expected, Shutoff, Prepare to Retore and restoration are classified as notifications as they are "intended to inform recipients of a condition or event for which contingency plans are in place."

PSPS alert and notification schedules can be found in Appendix F: Supplemental Information.

Please see Section 8.5.2 Public Outreach and Education Awareness Program for additional information.

8.4.4.3 Current Gaps and Limitations

In tabulated format, the electrical corporation must provide a list of current gaps and limitations in its public communication strategy. Where gaps or limitations exist, the electrical corporation must indicate the remedial action plan and the timeline for resolving the gaps or limitations. For all requested information, the electrical corporation should indicate a form of verification that can be provided upon request for compliance assurance. Table 8-50 provides an example of the minimum level of content and detail required.

Below is a summary of SCE's gaps and limitations in public emergency communication strategy.

Table 8-50 - Key Gaps and Limitations in Public Emergency Communication Strategy

Gap or Limitation Subject	Remedial Brief Description	Remedial Action Plan
Notifications	SCE was not able to send advance notifications for an event due to the sudden onset of unexpected weather.	SCE will examine current protocols for activating the PSPS IMT for marginal weather conditions to determine if changes to activation criteria should be made. Target timeline: 2023
Notifications	Cancellation notices for portions of some circuits were not sent within two hours of the decision to cancel or remove those segments from scope.	SCE will evaluate the process for sending cancellation notices to customers on circuit segments removed from scope to reduce end-to-end processing time in situations where segment-level (and sub-segment level) decision making is necessary to minimize customer impacts. Target timeline: 2023

8.4.5 Preparedness and Planning for Service Restoration

8.4.5.1 Overview of Service Restoration Plan

In this section of the WMP, the electrical corporation must provide an overview of its plan to restore service after an outage due to a wildfire or PSPS event. At a minimum, the overview must include a brief description of the following:

- *Purpose and scope of the restoration plan.*

SCE begins assessment of restoration priorities and development of a restoration plan once damage assessment are available and the extent of impacts are analyzed. The protection of life safety, the environment, infrastructure, and property are base planning factors for restoration planning. Across SCE, considerations taken as part of restoration planning include technical factors related to impacts, availability of resources and replacement equipment, as well as internal and external dependencies.

- *Overview of protocols, policies, and procedures for service restoration (e.g., means and methods for assessing conditions, decision-making framework, prioritizations, degree of customization).*

SCE may employ different restoration strategies based on the size, scope, complexity, and intensity of each non PSPS incident. In smaller, more isolated incidents, SCE typically employs the standard order-based strategy that it uses under routine outage circumstances. This strategy is not effective in larger incidents where there is an overwhelming volume of orders. When incidents are larger, SCE moves to an area-based strategy where repair priorities are assigned by areas and circuits. This is a tactical decision

made during the planning process for a given operational period and documented in the IAP. The two strategy types, order- and area-based can be used together within an event as needed.

For PSPS, PSPS IMT personnel monitor all circuits that are de-energized and will watch for winds to decrease below thresholds, which triggers circuit patrols for re-energization. Upon receiving the All-Clear declaration and approval from the PSPS IMT Incident Commander to begin restoration of a circuit circuits or circuit segments under PSPS protocols are patrolled and re-energized. The patrols are intended to ensure there is no damage to SCE facilities before power can be safely restored. In most cases, field crews are standing by for patrol, so that patrols can typically take place within eight hours. However, visual inspections of the power lines usually take place during daylight hours for safety and accuracy. Consequently, patrol and restoration operations may be limited or prolonged during overnight hours. SCE strives to restore all power within 24 hours of de- energization when possible. For multiday events, with gaps of even a few hours, field crews will attempt to restore customers before a second POC begins, even if this requires a repeat de-energization. Some circuits will require a helicopter patrol. When possible, customers on difficult-to-patrol circuits are switched to more accessible circuits for restoration, so that circuits with no customers on them will be the last in line for restoration. PSPS IMT personnel perform ongoing assessments of restoration plans to monitor progress and address any delays to re-energization that may occur.

This must include:

An operational flow diagram illustrating key components of the service restoration procedures from the moment of the incident to response, recovery, and restoration of service.

See figures in Section 8.4.2.1 Overview of Wildfire and PSPS Emergency Preparedness for such diagram.

Resource planning and allocation (e.g., staffing, equipment).

Please see Section 8.4.2.2Key Personnel, Qualifications, and Training and Section 8.4.6.2 Planning and Allocation of Resources for information on resource planning and allocation.

Drills, simulations, and tabletop exercises.

Please see Section 8.4.2.2 for additional information.

Coordination and collaboration with public safety partners (e.g., interoperable communications).

Within four hours of the identification of a major (non PSPS) outage, SCE will notify state and local public agencies, and the media of the major outage, its location, expected duration and cause (if available). SCE will provide estimates of restoration times as soon as possible following an initial assessment of damage and the establishment of priorities for service restoration.

Within four hours of the initial (non PSPS) damage assessment and the establishment of priorities for restoring service, SCE will make estimated restoration times, by geographic area, available to state and local public agencies, and to media. If restoration time estimate is not available, SCE will provide that update.

For PSPS, Prepare to Restore notifications are sent to all impacted customers and public safety partners as soon as restoration has been authorized. These notifications specify that restoration typically takes up to 8 hours.

Notification of and communication to customers during and after a wildfire- or PSPS- related outage.

Within four hours of the identification of a major (non PSPS) outage, SCE will make information available to customers through our call center and notify Essential Customers, state and local public agencies, and the media of the major outage, its location, expected duration and cause (if available). SCE will provide estimates of restoration times as soon as possible following an initial assessment of damage and the establishment of priorities for service restoration.

Within four hours of the initial (non PSPS) damage assessment and the establishment of priorities for restoring service, SCE will make estimated restoration times, by geographic area, available through its call center to Essential Customers, state and local public agencies, and to media. If restoration time estimate is not available, SCE will provide that update.

For PSPS, upon receiving the All-Clear declaration and approval from the PSPS IMT Incident Commander to begin restoration of a circuit, restoration notifications are sent to impacted customers.

The electrical corporation may refer to its Public Utilities Code section 768.6 emergency preparedness plan to provide more detail. Where the electrical corporation has already reported the requested information in another section of the WMP, it must provide a cross- reference with a hyperlink to that section. The overview must be no more than one page.

Reference the Utility Initiative Tracking ID where appropriate.

8.4.5.2 Planning and Allocation of Resources

The electrical corporation must briefly describe its methods for planning appropriate resources (e.g., equipment, specialized workers), and allocating those resources to assure the safety of the public during service restoration.

In addition, the electrical corporation must provide an overview of its plans for contingency measures regarding the resources required to respond to an increased number of reports concerning unsafe conditions and expedite a response to a wildfire- or PSPS-related power outage.

This must include a brief narrative on how the electrical corporation:

- *Uses weather reports to pre-position manpower and equipment before anticipated severe weather that could result in an outage*
- *Sets priorities*
- *Facilitates internal and external communications*
- *Restores service*

The narrative for this section must be no more than two pages.

Emergency management during an incident within the SCE service territory is a comprehensive effort that requires SCE to work and coordinate with a diverse set of internal and external stakeholders. SCE is prepared to respond to natural and human-caused emergencies promptly and effectively and to take all appropriate actions including steps to preserve life, property and infrastructure, and maintain the ability to deliver safe and reliable electricity. On incidents when SCE internal capabilities are overwhelmed, mutual assistance resources are requested and incorporated into the incident organizational structure following the same ICS and NIMS principles for internal SCE resources.

The All-Hazards Plan discusses a Concept of Operations (ConOps)[259] which provides further guidance to SCE leadership and emergency responders regarding the sequence and scope of actions to be taken during an incident. It describes all levels of SCE's emergency management capability and corresponding roles and responsibilities operational procedures during an emergency and describes SCE's alignment with SEMS and NIMS. The Plan also describes SCE's phased approach at emergency response, details functions of the SCE EOC, and demonstrates how information flows internally within SCE and externally to and from various public safety and emergency response partners.

During an incident response, the Incident Commander, Planning Section Chief, and BRDM continue to evaluate any dynamic changes to resource needs which may change throughout the incident.

Objectives: Resource scaling decisions are driven by incident objectives that are developed at the start of an event/incident. They are re-evaluated daily through the course of the IMT activation to help determine resource needs. This re-evaluation is dependent upon situational awareness such as weather reports, current outages, and cascading effects.

Operational Periods and Shifts: Incident Commanders establish operational periods, the time frames for executing a set of operation actions as specified in the Incident Action Plan. Operational Periods can be of various lengths, although usually not over 24 hours. There may be multiple shifts within an operational period (e.g., 3X 8 hr. shifts or 2X 12 hr.) and shift ranges may vary by position demand and associated deliverables.

SCE employs a PSPS-compatible Communications Strategy during an All Hazards incident to provide effective communications with both internal and external stakeholders. SCE's Watch Office, Incident Commander, Public Information Officer, Liaison Officer, Operations Section Chief, and Customer Care Branch Director all work together to coordinate internal and external facing communication and messaging.

8.4.5.3 Drills, Simulations, and Tabletop Exercises

Discussion-based and operational-based exercises enhance knowledge of plans, allow personnel to improve their own performance, and identify opportunities to improve capabilities to respond to wildfire- and PSPS-related service outages. Exercises also provide a method to evaluate an electrical corporation's emergency preparedness plan and identify planning and/or procedural deficiencies.

[259] Concept of Operations is discussed within the All-Hazards Plan, Section 6.1, p 43.

Internal Exercises

The electrical corporation must report on its program(s) for conducting internal discussion- based and operations-based exercises for service restoration. This must include, at a minimum:

- *The types of discussion-based exercises (e.g., seminars, workshops, tabletop exercises, games) and operations-based exercises (e.g., drills, functional exercises, full-scale exercises)*
- *The purpose of the exercises*
- *The schedule and frequency of exercise programs*
- *The percentage of staff who have completed/participated in exercises*
- *How the electrical corporation tracks who has completed the exercises Table 8-51 provides an example of the minimum acceptable level of information.*

External Exercises

The electrical corporation must report on its program(s) for conducting external discussion- based and operations-based exercises for service restoration due to wildfire. This must include, at a minimum:

- *The types of discussion-based exercises (e.g., seminars, workshops, tabletop exercises, games) and operations-based exercises (e.g., drills, functional exercises, full-scale exercises)*
- *The schedule and frequency of exercise programs*
- *The percentage of public safety partners who have participated in these exercises*
- *How the electrical corporation tracks who has completed the exercises Table 8-52 provides an example of the minimum acceptable level of information.*

Below is a summary of SCE's Emergency Preparedness internal exercise programs.

Table 8-51 - Internal Drill, Simulation, and Tabletop Exercise Program for Service Restoration

Category	*Exercise Title and Type*	*Purpose*	*Exercise Frequency*	*Position of Title of Personnel Required to Participate*	*Personnel Required*	*Personnel Completed*	*Form of Verification or Reference*
Discussion Based	Tabletop Exercise	Provide awareness and understanding of roles and responsibilities, existing documentation, policies, and procedures.	Annually	PSPS IMT positions	Varies	Varies	Situation Manual, Registration Sheets
Operations Based	Drill	Provide awareness and understanding of roles and responsibilities, and how to execute discrete tasks and actions.	As needed	Targeted IMT positions as identified via the exercise planning process	Varies	Varies	Situation Manual, Registration Sheets
Operations Based	Functional Exercise	Demonstrate an ability to successfully execute roles and responsibilities of an IMT through a set period and incident response. Confirm positions can successfully work across incident response functions and work as a team in support of objectives.	Annually	PSPS IMT positions	Varies	Varies	Exercise Plan, Registration Sheets
Operations Based	Full Scale Exercise	Successfully work across multiple levels of response to execute roles and responsibilities in an incident. Demonstrate ability to work across complex systems and in response to a significant, high-impact scenario.	As needed	PSPS IMT positions	Varies	Varies	Exercise Plan, Registration Sheets

Below is a summary of SCE's Emergency Preparedness external exercise programs.

Table 8-52 - External Drill, Simulation, and Tabletop Exercise Program for Service Restoration

Category	*Exercise Title and Type*	*Purpose*	*Exercise Frequency*	*Position or Title of Personnel Required to Participate*	*Personnel Required*	*Personnel Completed*	*Form of Verification or Reference*
N/A	N/A	Please see Section 8.4.2.3 External Exercises for additional information	N/A	N/A	N/A	N/A	N/A

8.4.6 Customer Support in Wildfire and PSPS Emergencies

In this section of the WMP, the electrical corporation must provide an overview of its programs, systems, and protocols to support residential and non-residential customers in wildfire emergencies and PSPS events. The overview for each emergency service must be no more than one page. At a minimum, the overview must cover the following customer emergency services, per Public Utilities Code section 8386(c)(21):

In the event of a major emergency, SCE has a dedicated customer support team to help impacted customers by providing information on available resources. All customer inquiries during major emergencies, such as wildfire, are prioritized. SCE's efforts to reach, engage and support AFN communities, including by developing partnerships with CBOs and providing for AFN needs at CRCs, can be found in SCE's AFN Plan Quarterly Update reports and the AFN Plan filed on January 31, 2023. Please see Section 8.5.3 Engagement with Access and Functional Needs Populations.

SCE has programs available to customers to help them through emergencies. SCE continues to improve communications to promote awareness and provide access to information and resources needed to mitigate the safety and economic impacts customers may face.

SCE utilizes the following programs to provide customer support during wildfire and PSPS emergencies: outage reporting, support for low-income customers, billing adjustments, deposit waivers, extended payment plans, suspension of disconnection and nonpayment fees, repair processing and timing, list and description of community assistance locations and services, medical baseline support services, and access to electrical corporation representatives. These programs are further described below.

8.4.6.1 Customer Protections and Practices During Emergencies

To mitigate customer risks that could arise during and after an emergency, SCE utilizes the following practices and/or enacts customer protections in line with CPUC directives, as appropriate:

Outage reporting

SCE uses best practices to provide customers with the most up-to-date information regarding outages and emergency communications, and to provide resources for reporting outages. SCE.com provides an interactive Outage Map for customers to determine if a customer's service area is affected by an outage, including an outage caused by a wildfire or PSPS event. The website also provides an opportunity for customers to sign up to receive alerts, get tips to help stay safe during an outage, and connect to important resources and support programs available during an outage emergency. Please see Section 8.5.2 and Figure SCE 8-53 for an example of SCE.com displaying outage and community support information.

Support for low-income customers

SCE offers qualifying customers discounted rates on their electricity bill through California Alternate Rate for Energy(CARE)/Family Electric Rate Assistance (FERA) programs. These customer accounts are flagged to bypass program qualification checks of annual verifications and high usage verifications. Customers can enroll in CARE or FERA regardless of whether they are experiencing an emergency related to a wildfire. Customers may also reach out to SCE partner organizations like 211 to receive referral services and in certain circumstances, they may also receive direct assistance such as

transportation, food support or housing accommodations. 211 services to educate, outreach and support customers with Access and Functional Needs before, during, and after a PSPS event. SCE leverages 211's established network to provide customers with personalized safety/emergency plans prior to a PSPS as well as provide direct support during PSPS such as food, transportation, and lodging.

Billing adjustments

Affected customers will not receive estimated bills, and daily minimum charges are halted/adjusted.

Deposit waivers

Waive deposit requirements for small business customers seeking to reestablish service to a new location. SCE does not collect reestablishment deposits from residential customers.

Extended payment plans

Providing affected customers with extended payment plans as needed.

Suspension of disconnection and nonpayment fees

Affected customers are not sent for disconnection due to non-payment, and assessment of non-payment fees are eliminated.

Repair processing and timing

Provide access to local planning resources to assist with expediting SCE support for rebuilding and providing up to date information about restoration timing both through the customer contact center and the web for affected customers.

List and description of community assistance locations and services

During PSPS events, SCE uses Community Resource Centers and Community Crew Vehicles to provide support to customers in areas most likely to experience shutoffs. These locations provide customers with water, light snacks and, access to restrooms and Wi-Fi. Customers can also obtain updated outage information, sign up for alerts, update their contact information and charge their personal mobile and certain portable medical devices. A list of pre-approved locations can be found here: https://www.sce.com/sites/default/files/custom-files/Web%20files/G22-046%20Update%20of%20CRC%20List%20for%20Web_WCAG%205-1-22.pdf

Medical Baseline support services

This program is for customers who are reliant on electrically operated medical or mobility equipment. This program provides customers additional electricity per day at a discounted rate, helping to reduce monthly utility costs. MBL customers receive additional program eligibility for SCE's Critical Care Backup Battery Program outlined in Section 8.4.1.2 below if they reside in SCE's HFRA. This program supports customers' ability to utilize their medical equipment in the event of an outage, including an outage propounded by a PSPS event or a wildfire. SCE also works with regional agencies and partners such as 211 to support customer needs before and during PSPS events. Additionally, enrollment in MBL adds protections during PSPS activations and prior to disconnections through an escalated notification process.

Access to electrical corporation representatives

SCE has been utilizing its virtual resource center (SCE.com/disaster-support) and makes information on SCE's disaster support programs available to local assistance centers. In alignment with SCE's COVID-19 protocols, SCE will continue its practice of providing in-person staff to county and local government assistance centers during disasters and other events. During PSPS events, and in alignment with SCE's COVID-19 protocols, SCE staff are deployed to CRCs and CCVs to support customers. Furthermore, as needed, SCE may direct staff and resources to county and local government assistance centers during disasters and other events to provide in-person support to assist with information and consumer protections.

8.4.6.2 Critical Care Backup Battery Program (PSPS-2)

The Critical Care Battery Backup (CCBB) program supports all customers enrolled in Medical baseline (MBL) that reside in a HFRA to provide a battery-powered portable backup solution to operate critical medical equipment during power outages due to PSPS events or other emergencies. Between January 2022 and December 2022, SCE deployed over 3,400 free portable backup batteries to eligible customers. SCE will continue to offer the CCBB program to newly identified eligible customers, deploy backup batteries to all eligible customers who choose to participate in the program, and adjust the program outreach and strategy as needed to serve eligible customers who choose to participate.

8.4.6.3 Portable Power Station Rebate Program and Portable Generator Rebate Program (PSPS-3)

The Portable Power Station Rebate Program, previously called Residential Battery Station Rebates, provided up to five $75 rebates to customers for purchasing a portable power station for their general home or small business resiliency needs. As of September 1, 2022, the rebate amount increased up to $150 per portable power station. The Portable Power Station Rebate Program is available to all SCE customers residing in a HFRA or served by circuits passing through HFRA that are impacted by PSPS. As of December 31, 2022, SCE issued 2,152 Portable Power Station rebates. SCE will continue to review and update the program offerings that offer the most impact to SCE customers.

The Portable Generator Rebate program, previously called the Well Water Generator Incentive program, was developed to assist customers by offsetting the cost of purchasing a portable generator. SCE targets customers living in HFRA communities or surrounding communities that receive their power from a circuit fed from a HFRA circuit, whose electrical needs may extend beyond the limited power supply offered by a portable power station. SCE launched the program in June 2020 by offering a $300 rebate on the purchase of a qualified portable generator, and further enhanced the rebate amount to $500 for income-qualified customers (e.g., those enrolled in California Alternate Rates for Energy (CARE) or Family Electric Rate Assistance (FERA)). In July 2021, SCE revised the program eligibility requirements and rebate amounts, based on customer survey feedback. The water-pumping dependency eligibility requirement was removed, and the eligibility requirement of MBL program enrollment was added to increase accessibility to the higher rebate amounts. The rebate was reduced from $300 to $200 to support the set budget while allowing the added MBL program customers participation that now qualified for the higher rebate. As of September 1, 2022, the rebate amount increased up to $600 for

income-qualified and MBL-enrolled customers that reside in a HFRA. As of December 31, 2022, SCE issued 993 Portable Generator rebates.

8.4.6.4 Disability Disaster and Access Resources (DDAR) Program

The Disability Disaster and Access Resource program provides support to customers with AFN prior to and during PSPS events, to mitigate customer impacts associated with PSPS. Prior to PSPS events, DDAR will help customers with AFN prepare for PSPS by helping them develop emergency resiliency plans, including procuring backup power, and support them in enrolling in applicable customer care and bill support programs (e.g., SCE's medical baseline allowance program). During PSPS events, DDAR will assist customers with in-event battery backup needs, obtaining food vouchers, and finding accessible transportation and accessible hotel accommodations. SCE will evaluate the expansion of DDAR to support customers prior to and during significant non-PSPS outage events.

8.4.6.5 In-Event Battery Loan Pilot

The In-Event Battery Loan Pilot supports customers with AFN who live in a HFRA and utilize a medical device or assistive technology for independence, health, or safety; customers who participate in the pilot are those who would not otherwise be eligible or have yet to apply for CCBB. The pilot provides in-event support to customers that escalate a need for SCE to accommodate the provision of temporary power for a medical device or assistive technology during a PSPS activation.

8.4.6.6 Customer-Side Generator

SCE retains portable generator units during the PSPS season to provide to customers. SCE will continue to deploy temporary portable generators for critical facilities to assist maintaining electric service for essential safety and public services emergencies.

8.4.6.7 eMobility Phase 2

The PSPS OIR Phase 2 Decision (D.20-05-051) required the IOUs to implement pilot projects to investigate the feasibility of mobile and deployable electric vehicle Level 3 fast charging for areas impacted by PSPS events. SCE investigated the commercial availability of mobile electric vehicle chargers (MEVC) and found that no off-the-shelf MEVC existed that met SCE needs. A request for information (RFI) and subsequent request for qualifications (RFQ) were released and awarded in 2021 for the development of a custom solution to pilot and test safe and reliable mobile electric vehicle charging in areas impacted by PSPS events.

SCE issued a purchase order in October 2021 for the design and development of a MEVC capable of charging electric vehicles at a rate up to 50kW that is legally transportable on all public roads by a standard shipping container trailer. The MEVC is expected to be fully delivered by Q1 2023, following which SCE will begin pre-deployment testing. Pending successful testing, the MEVC will be deployed as a

pilot at select PSPS events from 2023-2026 to determine its feasibility to provide safe and reliable transportation electrification resilience.

8.5 Community Outreach and Engagement

8.5.1 Overview

In accordance with California Public Utilities Code section 8386(c)(19)(B) each electrical corporation must provide its plans for community outreach and engagement before, during, and after a wildfire. The electrical corporation must also provide its plans for outreach and engagement related to PSPS, outages from protective equipment and device settings, and vegetation management.

In this section, the electrical corporation must identify objectives for the next 3- and 10-year periods, targets, and performance metrics related to the following community outreach and engagement mitigation initiatives:

- *Public outreach and education awareness for wildfires, PSPS, outages from protective equipment and device settings, and vegetation management*
- *Public engagement in the WMP decision-making process*
- *Engagement with AFN populations, local governments, and tribal communities*
- *Collaboration on local wildfire mitigation and planning*
- *Best practice sharing with other electrical corporations from within and outside of California*

8.5.1.1 Objectives

Each electrical corporation must summarize the objectives for its 3-year and 10-year plans for implementing and improving its community outreach and engagement.[260] *These summaries must include the following:*

- *Identification of which initiative(s) in the WMP the electrical corporation is implementing to achieve the stated objective, including Utility Initiative Tracking IDs*
- *Reference(s) to applicable codes, standards, and best practices/guidelines and an indication of whether the electrical corporation exceeds an applicable code, standard, or regulation*
- *Method of verifying achievement of each objective*
- *A completion date for when the electrical corporation will achieve the objective*

[260] Annual information included in this section must align with Tables 1 and 12 of the QDR.

- *Reference(s) to the WMP section(s) or appendix, including page numbers, where the details of the objective(s) are documented and substantiated*

This information must be provided in Table 8-53 for the 3-year plan and Table 8-54 for the 10- year plan. Examples of the minimum acceptable level of information are provided below.

Below is a summary of SCE's 3-year Community Outreach and Engagement objectives.

Table 8-53 - Community Outreach and Engagement Initiative Objectives (3-year plan)

Objectives for Three Years (2023–2025)	***Applicable Initiative(s), Tracking ID(s)***	***Applicable Regulations, Codes, Standards, and Best Practices (See Note)***	***Method of Verification (i.e., program)***	***Completion Date***	***Reference (section & page #)***
Actively collaborating with stakeholder networks and partnerships to better understand customer, community and stakeholder specific needs and develop tailored solutions, including AFN.	Public Outreach and Education Awareness Program and Section (8.5.2) Engagement with Access and Functional Needs Populations (8.5.3)	N/A	See Table 8-44 and Table 8-59	on-going	Section 8.5.2 Public Outreach and Education Awareness Program, pp. 583-602; and Section 8.5.3 Engagement with Access and Functional Needs Populations, pp. 601-605
Meet at least quarterly to provide updates on PSPS enhancement efforts and solicit input for improvement areas in how SCE approaches PSPS overall and provides a forum for stakeholders to propose ways to improve all aspects of PSPS	PSPS Advisory Board Meetings (Public Outreach and Education Awareness Program (8.5.2))	PSPS OIR Phase 2 D.20-05-051[261]	CPUC Quarterly Update Report Post-meeting surveys	on-going	Section 8.5.2 Public Outreach and Education Awareness Program, pp. 583-602

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

[261] https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M339/K524/339524880.PDF

Below is a summary of SCE's 10-year Community Outreach and Engagement objectives.

Table 8-54 - Community Outreach and Engagement Initiative Objectives (10-year plan)

Objectives for Ten Years (2026–2032)	***Applicable Initiative(s), Tracking ID(s)***	***Applicable Regulations, Codes, Standards, and Best Practices (See Note)***	***Method of Verification (i.e., program)***	***Completion Date***	***Reference (section & page #)***
Refine stakeholder engagement capabilities through tailored approaches for outreach, engagement and information exchange with customers, communities, and stakeholders	DEP-1 and DEP-4	N/A	Activity Reporting	on-going	Section 8.5.2 Public Outreach and Education Awareness Program, pp. 583-602
Continue to look for ways to expand engagement with agencies outside of CA, including supporting IWRMC's efforts to expand utility membership base and appoint leaders to its Executive Steering Group	Best Practice Sharing with Other Electrical Corporations (8.5.5)	N/A	Engagements with outside agencies	on-going	Section 8.5.5 Best Practice Sharing with Other Electrical Corporations, pp. 606-610

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

8.5.1.2 Targets

Initiative targets are forward-looking quantifiable measurements of activities identified by each electrical corporation in its WMP. Electrical corporations will show progress toward completing targets in subsequent reports, including QDRs and WMP Updates.

The electrical corporation must list all targets it will use to track progress on its community outreach and engagement for the three years of its Base WMP. Energy Safety's Compliance Assurance Division and third parties must be able to track and audit each target.[262] *For each initiative target, the electrical corporation must provide the following:*

- *Utility Initiative Tracking IDs.*
- *Projected targets for each of the three years of the Base WMP and relevant units.*
- *Quarterly, rolling targets for 2023 and 2024 (PSPS outreach only).*
- *The expected "x% risk impact" for each of the three years of the Base WMP. The expected x% risk impact is the expected percentage risk reduction per year, as described in Section 7.2.2.2.*
- *Method of verifying target completion.*

The electrical corporation's targets must provide enough detail to effectively inform efforts to improve the performance (i.e., reduction in ignition probability or wildfire consequence) of the electrical corporation's community outreach and engagement initiatives.

Table 8-55 and Table 8-56 provide examples of the minimum acceptable level of information.

[262] Annual information included in this section must align with Tables 1 and 12 of the QDR.

Below is a summary of SCE's Community Outreach and Engagement targets by year.

Table 8-55 - Community Outreach and Engagement Initiative Targets by Year

Initiative Activity	***Tracking ID***	***2023 Target & Unit***	***x% Risk Impact 2023***	***2024 Target & Unit***	***x% Risk Impact 2024***	***2025 Target & Unit***	***x% Risk Impact 2025***	***Method of Verification***
Wildfire Safety Community Meetings	DEP-1	SCE will host at least **four** wildfire community safety meetings by region in targeted HFRA communities based on the impact of 2022 PSPS events and ongoing wildfire mitigation activities	N/A	Continue or revise – determined based on the outcome of 2023	N/A	Continue or revise – determined based on the outcome of 2023-2024	N/A	Link to the SCE.com site for meeting conducted and recordings posted
Customer Research and Education	DEP-4	SCE plans to conduct at least **five** PSPS-related customer studies in 2023	N/A	SCE plans to conduct at least **three** PSPS-related customer studies in 2024	N/A	SCE plans to conduct at least **three** PSPS-related customer studies in 2025	N/A	Detailed list of surveys with supporting information

Below is a summary of SCE's Community Outreach and Engagement targets by quarter.

Table 8-56 - Community Outreach and Engagement Initiative Targets by Year

Initiative Activity	***Tracking ID***	***Target End of Q2 2023 & Unit***	***Target End of Q3 2023 & Unit***	***End of Year Target 2023 & Unit***	***x% Risk Impact 2023***	***Target End of Q2 2024 & Unit***	***Target End of Q3 2024 & Unit***	***End of Year Target 2024 & Unit***	***x% Risk Impact 2024***	***Target 2025 & Unit***	***x% Risk Impact 2025***	***Method of Verification***
Wildfire Safety Community Meetings	DEP-1	4	4	SCE will host at least **four** wildfire community safety meetings by region in targeted HFRA communities based on the impact of 2022 PSPS events and ongoing wildfire mitigation activities	N/A	TBD	TBD	Continue or revise – determined based on the outcome of 2023	N/A	Continue or revise – determined based on the outcome of 2023-2024	N/A	Link to the SCE.com site for meeting conducted and recordings posted
Customer Research and Education	DEP-4	1	3	SCE plans to conduct at least **five** PSPS-related customer studies in 2023	N/A	1	2	SCE plans to conduct at least **three** PSPS-related customer studies in 2024	N/A	SCE plans to conduct at least **three** PSPS-related customer studies in 2025	N/A	Detailed list of surveys with supporting information

8.5.1.3 Performance Metrics Identified by the Electrical Corporation

Performance metrics indicate the extent to which an electrical corporation's Wildfire

Mitigation Plan is driving performance outcomes. Each electrical corporation must:

- *List the performance metrics the electrical corporation uses to evaluate the effectiveness of its community outreach and engagement in reducing wildfire and PSPS risk*[263]

For each of those performance metrics listed, the electrical corporation must:

- *Report the electrical corporation's performance since 2020 (if previously collected)*
- *Project performance for 2023-2025*
- *List method of verification*

The electrical corporation must ensure that each metric's name and values are the same in its WMP reporting as its QDR reporting (specifically, QDR Table 2 and QDR Table 3). Metrics listed in this section that are the same as performance metrics required by Energy Safety and reported in QDR Table 2 (Performance Metrics)[264] *must match those reported in QDR Table 2. Metrics listed in this section that are not the same as any of the performance metrics identified by Energy Safety and reported in QDR Table 2 must match those reported in QDR Table 3.*

The electrical corporation must:

- *Summarize its self-identified performance metric(s) in tabular form*
- *Provide a brief narrative that explains trends in the metrics*

Table 8-57 provides an example of the minimum acceptable level of information.

[263] There may be overlap between the performance metrics the electrical corporation uses and performance metrics required by Energy Safety. The electrical corporation must list these overlapping metrics in this section in addition to any unique performance metrics it uses.

[264] The performance metrics identified by Energy Safety are included in Energy Safety's Data Guidelines.

Below is a summary of SCE's Community Outreach and Engagement metrics by year.

Table 8-57 - Community Outreach and Engagement Performance Metrics Results by Year

Performance Metrics	***2020***	***2021***	***2022***	***2023 Projected***	***2024 Projected***	***2025 Projected***	***Method of Verification (e.g., third-party evaluation, QDR)***
Customer recall of SCE wildfire and preparedness communications (Service Area / HFRA-Only) *Units reflect % of customers recalling*	56 / 65	51/ 56	48 / 56	48 / 56	48 / 56	48 / 56	In-Language Wildfire Mitigation / PSPS Communications Effectiveness Survey, QDR Table 3

One way SCE evaluates the effectiveness of its community outreach and engagement activities is by measuring customer awareness of SCE's wildfire messaging and customer wildfire and PSPS programs and services. Since 2020, SCE has surveyed customers through its In-Language Wildfire Mitigation / PSPS Communications Effectiveness Survey. This mandated survey is performed twice annually, once toward the start of Q3 and once toward the end of Q4 – and it is offered in English and 19 other languages. The metrics that SCE provides in Table reflect the Q4 survey results from each year, for customers systemwide and within HFRA. The figures in this table represent the percentage of surveyed customers who responded that they recalled communications from SCE about the threat of wildfire and how they can prepare for them. SCE performs this survey across its service area, and therefore provides figures for both its entire service area and HFRA-only.

SCE's In-Language Survey generally sees higher awareness in the Q4 update than earlier in the year before the fire season begins. This trend is likely due to increased outreach and heightened awareness of PSPS-related activities later in the year. Generally, the overall awareness has declined slightly year over year in the limited data set which is likely due to several reasons (e.g., intensity of summer, reduction in frequency of PSPS events, scale of PSPS communications and outreach activities). SCE will continue to monitor and track awareness of wildfire and preparedness communications through the In-language Survey previously described.

The projections provided in Table 8-57 are estimates and subject to change. For purposes of this table, SCE's customer recall projections align with the Q4 2022 awareness data to match similar communications efforts and activities levels from previous years. Communication and outreach will include efforts such as a PSPS newsletter, PSPS notifications, community outreach such as safety fairs, and customer surveys. SCE expects these metrics to remain generally consistent over time to align with consistent levels of marketing anticipated from year to year. Some fluctuation is expected to occur due to varying levels of PSPS related notifications and activity based on weather events.

8.5.2 Public Outreach and Education Awareness Program

The electrical corporation must provide a high-level overview of its public outreach and education awareness program(s) for wildfires; outages due to wildfires, PSPS events, and protective equipment and device settings; service restoration before, during, and after the incidents (as required by Public Utilities Code section 8386[c][19][B]); and vegetation management. This includes outreach efforts in English, Spanish, Chinese (including Cantonese, Mandarin, and other Chinese languages), Tagalog, and Vietnamese, as well as Korean and Russian where those languages are prevalent within the service territory.

At a minimum, the overview must include the following:

- *A description of the purpose and scope of the program(s).*
- *References to the Utility Initiative Tracking ID where appropriate.*

SCE holds a variety of meetings and workshops to inform and educate stakeholders and customers about SCE's Grid Hardening activities, wildfire, PSPS, customer programs, and resources available to assist customers with emergency preparedness.

Customers and communities require information to become better prepared for SCE's wildfire mitigation work and PSPS events, and to build resilience. To service this need, SCE performs the following public outreach and educational awareness efforts:

- Every year, in advance of fire season, we send informational materials to every local and tribal government in HFRA to update them on WMP activities and PSPS protocols. In this outreach, we request emergency contact updates and feedback on Community Resource Center locations and services. Additionally, we offer to meet with every local and tribal government in HFRA to review the information in person.
- Every year, in advance of fire season, we meet with County Operational Areas to review PSPS protocols and decision-making factors, AFN outreach, and other types of emergencies including fires and storms. SCE also solicits feedback on how we can build on our partnerships with the Operational Areas.
- We conduct regional quarterly regional Working Group meetings with local governments, critical infrastructure providers, and organizations serving the AFN community to review best practices and lessons learned related to wildfire, PSPS, and outage management.
- We conduct workshops with critical infrastructure customers as identified by the CPUC (including hospitals, telecommunications providers, etc.) to provide an overview of PSPS and wildfire mitigation and how they can enhance their resiliency in a PSPS event.
- We have proactively participated in safety fairs in HFRA communities to help customers prepare for potential PSPS. At these fairs, we update customer contact information, enroll customers in SCE's outage alert notifications, and share information on SCE's resiliency programs, as well as other community resources.

- We mail a PSPS Newsletter annually to all customers in both HFRA and non-HFRA with tailored content. The HFRA version of the newsletter highlights SCE's wildfire mitigation efforts and what we are doing to reduce the impacts of PSPS events. Customer care programs and resources are prominently featured. The Non-HFRA version of the newsletter focuses on outage safety tips and how customers can prepare for emergencies. It also includes an update on SCE's wildfire mitigation efforts. Call Center phone numbers and website links are included and electronic copies of both newsletter versions in the 19 languages (Arabic, Armenian, Chinese Mandarin, Chinese Cantonese, Farsi, French, German, Japanese, Khmer, Korean, Punjabi, Russian, Spanish, Tagalog, Vietnamese, Portuguese, Hindi, Hmong, and Thai) plus English, prevalent in SCE's service territory can be accessed via SCE's Wildfire Communications Center on SCE.com.

SCE continues to partner with an extensive network of Community Based Organizations (CBOs) enlisted to conduct in-language wildfire safety/PSPS preparedness customer education and outreach throughout its service territory, with particular emphasis on high fire risk areas.

- SCE launched incentivized partnerships with CBOs that have a strong reach in communities and demonstrate the ability to partner with SCE to help educate and increase awareness around Wildfire and Safety Preparedness. Together, the CBOs and SCE share information about SCE's wildfire mitigation plan and the importance of building resiliency plans for when emergencies occur. Other important topics regularly shared are helpful programs like MBL, CARE/FERA, rate options and important rebates and incentives available to our customers. CBOs also regularly exchange and share healthcare communications on programs and services through social media, newsletters, e-blasts, blog posts, and direct stakeholder engagement efforts like digital webinars.

- All the Tier 1 CBOs (SCE contracted CBOs for ongoing incentivized partnerships) are required to track their outreach and engagement efforts and submit this information via monthly reports. These metrics are used to evaluate CBO performance, program effectiveness, and identify areas of improvement.

- Together, the CBOs and SCE share information about customer care programs for PSPS, such as portable power station and generation rebates, battery storage, Critical Care Backup Battery and Medical Baseline program, along with other wildfire and safety preparedness resources. CBOs regularly exchange and share information on these programs through their social media channels, newsletters, emails, blog posts, and direct stakeholder engagement efforts, either through CBO-facilitated webinars or in-person events (when permitted). Some of these resources are also provided in multiple languages at the CBOs' request.

Each year, SCE sends a bi-lingual letter and flyer requesting master-metered customers (i.e., landlord/property owner) to educate their sub-metered tenants about wildfire/PSPS information including steps they can take to prepare in advance and stay safe during a PSPS outage. Electronic copies of the flyer in English, Spanish, Chinese, Vietnamese, Korean and Tagalog are also accessible via SCE's Wildfire Communications Center on sce.com.

SCE sends periodic letters to customers most frequently impacted by PSPS to provide important updates regarding SCE's efforts to strengthen the grid and reduce the number of PSPS outages.

SCE conducts annual pre- and post-season surveys to evaluate the effectiveness of its wildfire safety and preparedness communications and outreach to customers in general. These pre- and post-season surveys are offered to customers in 19 languages as well as English.

SCE's ongoing marketing campaign, which includes radio, digital, social media, newspaper and search ads, and direct customer mailings, seeks to educate customers and the public on PSPS, including the conditions that trigger a PSPS, how to prepare for a PSPS, what SCE has done and continues to do to mitigate the risk of wildfires, how to prepare for emergencies, and customer programs and resources for impacted customers. In 2023, SCE will create new digital ads on these themes to ensure continued customer engagement. The digital banner ads will continue to be available in 19 languages plus English. SCE will also continue to track total impressions of these ads.

In 2023, SCE will implement a customer-centric, integrated communications strategy to deliver consistent and cohesive messaging across traditional and digital channels to drive Wildfire/PSPS customer education and preparedness behavior. SCE will place customers into specific segments and design journeys that are relevant to each segment before, during and after a PSPS outage. PSPS preparedness messaging will also be amplified through inclusions and cross promotions in other integrated communications as appropriate.

SCE is exploring ways to prevent customers from receiving conflicting messaging, by improving coordination between our PSPS notification system and standard customer communications system to exclude customers from marketing campaigns who are experiencing PSPS de-energizations.

8.5.2.1 Community Meetings (DEP-1)

SCE holds wildfire safety community meetings throughout SCE's service area, prioritizing HFRA, to share information about SCE's wildfire mitigation plan, grid hardening updates, PSPS, and emergency preparedness, and an additional focus on SCE's programs, services, and resources. These meetings offer participants a chance to ask questions of SCE staff and share feedback and concerns.

For 2023, SCE will host a minimum of four virtual wildfire community safety meetings prioritizing HFRA counties, grouping all counties by region (North, South, East and West), and in-person targeted communities based on the impact of 2022 PSPS events and ongoing wildfire mitigation activities.

8.5.2.2 Marketing Campaign

SCE's multilingual marketing campaign, which includes radio, digital, print, social media, search ads, and direct customer mailings, seeks to educate customers and the public on PSPS, including the conditions that trigger a PSPS, how to prepare for a PSPS and emergencies in general, what SCE has done and continues to do to mitigate the risk of wildfires, and programs and resources SCE offers to impacted customers.

The marketing campaign seeks to educate customers about PSPS and emergency preparedness and reduce the impact of a PSPS or a wildfire primarily through three methods: (1) advertising campaign, (2) social media, and (3) direct customer mailings.

- Advertising Campaign: The advertising campaign aims to convey key messages that collectively help educate customers about PSPS and emergency preparedness. These advertisements run on a variety of channels including print/newspaper, digital banners, digital video, connected TV, social media, search, digital audio, and broadcast radio. The 2022 advertising campaign centered the following themes: Emergency Preparedness, PSPS Definition/Condition, Wildfire Mitigation, Alert Sign-Up, MBL Program, and Customer Resources and Support. The 2022 ad campaign generated about 832 million total impressions. In 2023, SCE will run its in-language and English advertisements concurrently service area-wide.
- Social Media: SCE uses social media as part of its marketing campaign with paid and organic posts informing customers about PSPS, emergency preparedness tips, how to sign up for PSPS alerts, and information on SCE's wildfire mitigation efforts. Also, information about SCE's CCVs and CRCs is shared on Facebook, Twitter, Instagram, and Nextdoor.
- Direct Customer Mailings: As part of the direct customer mailing strategy, SCE mails a PSPS Newsletter. Please refer to Section 8.5.2.

For 2023, SCE will launch new ads that will focus on SCE's wildfire mitigation efforts and emergency preparedness tips for customers.

8.5.2.3 Customer Research and Education (DEP-4)

SCE seeks to improve its understanding of how to reduce impacts of wildfires, PSPS, and wildfire mitigation work for its customers. SCE develops surveys to capture customer feedback on SCE's wildfire mitigation initiatives with a special emphasis on PSPS activities. Specific activities as part of this customer research and education initiative are detailed below:

- The PSPS Tracker is an annual survey conducted at the end of wildfire season to assess and understand customer awareness, experience, and opinions of SCE's PSPS and wildfire mitigation activities, focusing on customers affected by PSPS events. Five customer segments are targeted:
    - Customers not notified but de-energized
    - Customers notified and de-energized
    - Customers notified but not de-energized
    - Customers not notified and not de-energized
    - Customers who do not live in a HFRA
- Wildfire safety community meeting surveys conducted among attendees of the meetings to receive feedback on their experience and the information provided.
- CRC/CCV visitor surveys conducted among customers who visited a CRC/CCV during a PSPS event to receive feedback on their experience, and the resources and support provided.

- In-Language Wildfire Mitigation Communications Effectiveness Surveys that measured the communications and outreach effectiveness prior to and coincident with the wildfire seasons by prevalent language.

For 2023, SCE will continue to conduct surveys to bolster the assessment of customer attitudes, perceptions, and behaviors towards wildfire mitigation programs and PSPS events.

A brief narrative followed by a tabulated list of all the different target communities it is trying to reach across the electrical corporation's service territory. The target communities list must include AFN and other vulnerable or marginalized populations, but they may also include other target populations, such as communities in different geographic locations (e.g., urban areas, rural areas), age groups, language and ethnic groups, transient populations, or Medical Baseline customers. In addition, the electrical corporation must summarize the interests or concerns each community may have before, during, or after a wildfire or PSPS event to help inform outreach and education awareness needs. Table 8-58 provides an example of the minimum acceptable level of information.

A tabulated list of community partners the electrical corporation is working with or intends to work with to support its community outreach and education programs. Table 8-59 provides an example of the minimum acceptable level of information.

A table of the various outreach and education awareness programs (i.e., campaigns, informal education, grant programs, participatory learning) that the electrical corporation implements before, during, and after wildfire, vegetation management, and PSPS events, including efforts to engage with partners in developing and exercising these programs. In addition, the electrical corporation must describe how it implements its overall program, including staff and volunteer needs, other resource needs, method for implementation (e.g., industry best practice, latest research in methods for risk communication, social marketing), long-term monitoring and evaluation of each program's success, need for improvement, etc. The narrative for this section is limited to two to three pages. The electrical corporation must also provide the information on its outreach and education awareness programs a in tabulated format. Table 8-58 provides an example of the minimum acceptable level of information.

SCE implements an integrated communications strategy to provide effective communications with the public before, during, and immediately following major outages and emergencies, including PSPS. SCE coordinates with various entities and key stakeholders on education, outreach, and feedback in preparation for emergency events. This preparedness extends to overall customer resiliency; and while it has initially been directed to address PSPS, many of the efforts are also broadly applicable to other extended outages or emergencies.

Whole Community Communications

In advance of potential outages that may affect them, SCE informs state agencies, public safety partners, critical infrastructure and facilities providers, and all customers (including populations from the Disabilities and Access and Functional Needs community) through multiple programs and procedures.

SCE uses the following definition of disabilities and access and functional needs (AFN):

- Populations whose members may have additional needs before, during, and after an incident in

functional areas, including but not limited to maintaining independence and the ability to perform the activities of daily living, communication, transportation, supervision, and medical care.

- Individuals in need of additional response assistance may include those who have disabilities, who live in institutionalized settings, who are elderly, who are children, who are from diverse cultures, who have limited English proficiency or are non-English speaking, or who are transportation disadvantaged.
- The population of people experiencing homelessness.

Emergency Communications

SCE delivers notifications in numerous ways and intervals, including via voice and/or email according to the recipient's preference. Before, during, and immediately following a major outage SCE disseminates information to customers using the call center, as well as radio, television, and electronic communications, and in-person contact.

SCE's layered approach to communication avoids exclusive reliance on online strategies. SCE employs the following methods for communication:

- Interactive Voice Response (IVR) and direct access to SCE Energy Advisors through the Customer Contact Center
- Automated notifications including via voice, and/or email, and TTY formats according to the recipient's preference
- SCE.com website with outage map showing all types of outages
- Community Resource Centers
- Social media
- Coordination through Public Safety Partners and their notification systems

SCE maintains Community Crew Vehicles (CCVs) to assist with communication, engage with the community, and provide support to the public. SCE has designed and outfitted these vehicles with the required equipment and technology to enable SCE staff to transport and distribute water, snacks, and resiliency kits to communities potentially impacted by a PSPS event.

During incident response, SCE's Emergency Operations Center (EOC) is responsible for ensuring information sharing across all internal and external stakeholders. The EOC typically serves as the interface between SCE, public sector emergency management, regulatory agencies, and elected officials.

Incident Communications Team/One Voice Messaging

One-voice messaging is developed by the Public Information Officer (PIO), in coordination with key members of the Incident Management Team and/or Incident Support team and approved by the Incident Commander prior to release. This is inclusive messaging that is led, developed, and managed by the PIO and distributed during a crisis to stakeholders throughout the company to utilize.

Talking Points and Media Statements

Talking points and media statements are developed by the PIO to be used by company spokespeople to communicate with their respective stakeholders/audiences using established channels of communications (e.g., social media, phone call briefings, employee intranet, press release, press conference, teleconference, one-on-one media interviews, e-mail or written notification, and website content with videos).

The talking points and media statements enable scalable timely media coordination before, during and after a major outage, including estimated restoration times and potential safety hazards.

SCE.com

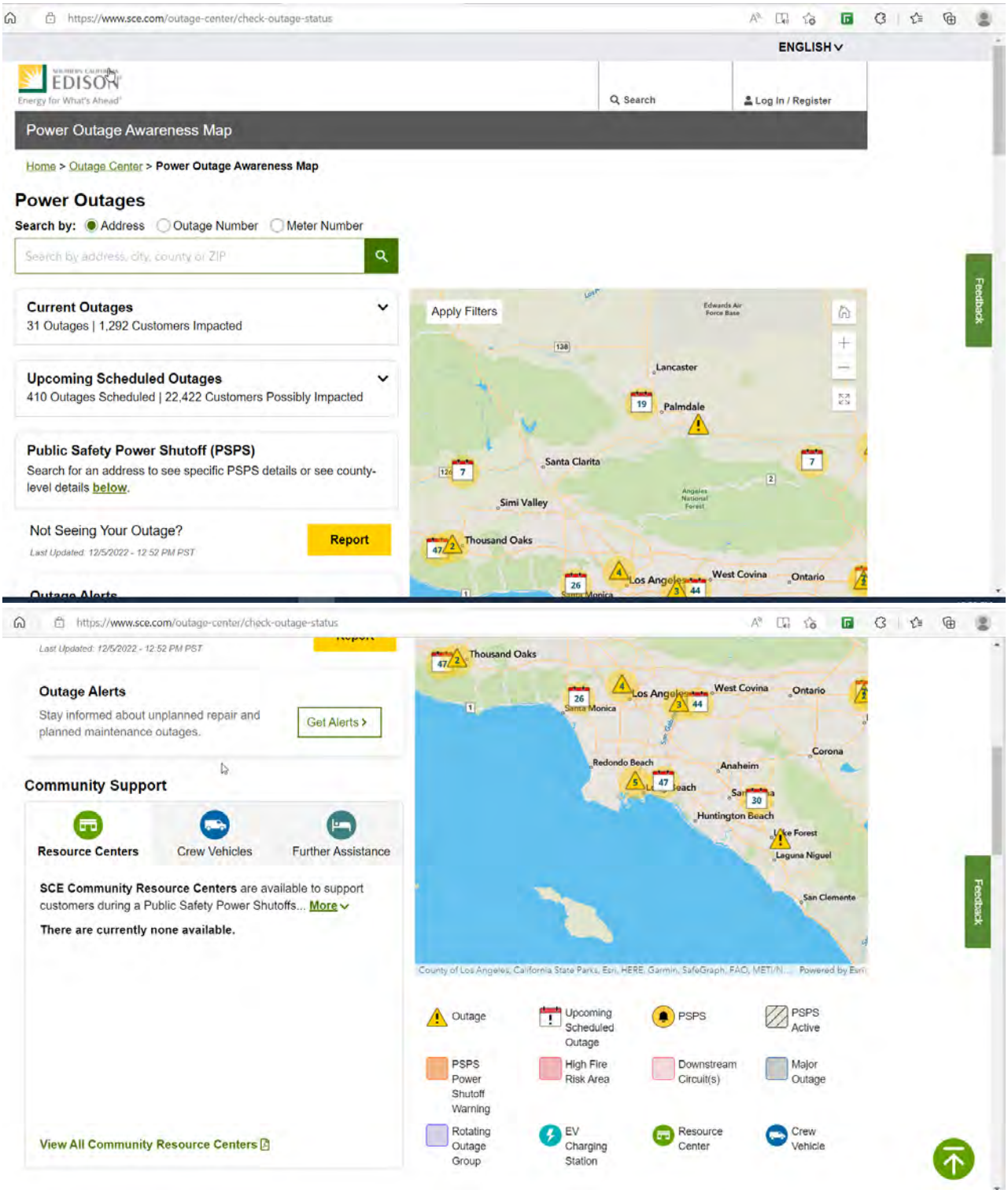
Online communication on SCE.com updates customers with the current status of outages. In the event of an incident, the website contains an outage map where customers can access outage details, including the projected restoration time. During Public Safety Power Shutoffs, there are two types of information on this page:

Dynamic information relating to current notifications, de-energizations, re-energizations, and locations of Community Crew Vehicles (CCVs) and Community Resource Centers (CRCs).

Static information explaining the PSPS process and necessity, including links for more information, notification sign-ups, additional languages, and FAQs.

Figure SCE 8-53 below provides an example of SCE.com displaying outage and Community Support information.

Figure SCE 8-53 - Example of SCE.com



Customer Communications

Customer communications refers to any communications, such as letters, email, text or phone calls, developed and delivered to SCE customers. It consists of: (1) any communications during an unplanned incident, which is derived from one-voice messaging developed by the PIO, in coordination with the IMT/IST and approved by the Incident Commander and tailored towards SCE customers; and (2) customized information pre-developed and automated for specific customers, homes, and businesses based on location and utilized for automated messaging for planned events (i.e., PSPS, construction or maintenance).

Critical Care Customers

SCE annually sends all its medical baseline customers a letter to raise awareness of outages and requests their most current contact information preferences. Messaging includes a call-to-action for customers to update their contact information either by phone or on SCE.com. Knowing that outages can impact customers at any time, this campaign encourages plans for resiliency during all types of power outages.

Critical Facilities and Infrastructure

SCE engages with public safety partners to identify critical facilities and infrastructure that may be impacted by potential outages, as outlined in the CPUC guidance, and other facilities that our public safety partners identify as important. SCE continually assesses the customer contact information for all critical infrastructure and facilities by periodically reaching out to these customers by phone and email, and actively working to update any missing or inaccurate contact information. An annual communication is sent to request updated contact information and back up generation status. SCE has created a page in SCE.com Critical Infrastructure customers may also go into and update contact information.

All Other Customers

- SCE attempts to verify customer contact information is up to date through various sources and channels.
- SCE's Customer Contact Center procedures include confirmation and updating customer contact information when speaking with our customers.
- SCE.com has enabled with a persistent prompt to remind customers to upgrade their contract information with a link that quickly navigates them to the update page.
- SCE continues community meetings where representatives are available to update customer contact information.
- Requests for customers to update contact information are included on printed material and bill inserts.

- Business customer account managers complete an annual contact certification for all critical infrastructure and government and industrial customers. While this is a normal course of business throughout the year, if update or verification has not occurred, specific outreach is made to update contact information.
- The request to update information is included in radio spots and media interviews.
- SCE is addressing messages that fail to deliver to a device by removing the incorrect information and verifying the correct information.

Below is a summary of Target Communities and their interests/concerns before, during, or after a wildfire or PSPS event

Table 8-58 - List of Target Communities

Target Community	***Interests or Concerns Before, During, and After Wildfire and PSPS events***
Individuals who have developmental or intellectual disabilities	• Access to electrically powered durable medical equipment or assistive technology used for health, safety, and independence (e.g., Augmentative and Alternative Communication devices) • Access to information that can be understood • Access to transportation on demand (e.g., paratransit or accessible transportation) Examples of offerings to mitigate impact: • SCE offers battery and generator rebates for assistive technology or other devices. Additionally, SCE offers batteries free of charge to customers enrolled in the MBL who reside in HFRA. • SCE offers notification/alerts in English (translated into prevalent languages) and address level alerts that can be used by anyone, including caregivers. • SCE is partnering with a third-party vendor to translate notifications/alerts in American Sign Language with English voice over and text that is accessible via screen readers and Braille readers. • SCE has partnered with 211 CA Network to connect customers to transportation. Additionally, SCE is exploring expanding

Target Community	*Interests or Concerns Before, During, and After Wildfire and PSPS events*
	partnerships with paratransit providers. • SCE partners with Community Based Organizations that serve individuals with AFN to help with wildfire safety education and outreach.
Individuals who have physical disabilities	• Access to electrically powered durable medical equipment or assistive technology used for health, safety, and independence (e.g., motorized scooter) • Access to information that can be understood (e.g., American Sign Language) • Access to transportation on demand (e.g., paratransit or accessible transportation) Examples of offerings to mitigate impact: • SCE offers battery and generator rebates for assistive technology or other devices. Additionally, SCE offers batteries free of charge to customers enrolled in the MBL who reside in HFRA. • SCE offers notification/alerts in English (translated into prevalent languages) and address level alerts that can be used by anyone, including caregivers. • SCE is partnering with a third-party vendor to translate notifications/alerts in American Sign Language with English voice over and text that is accessible via screen readers and braille readers. • SCE has partnered with 211 CA Network to connect customers to transportation. Additionally, SCE is exploring expanding partnerships with paratransit providers. • SCE partners with Community Based Organizations that serve individuals with AFN to help with wildfire safety education and outreach.
Individuals who have chronic	• Access to electrically powered durable medical equipment or assistive technology used for health, safety, and independence

Target Community	***Interests or Concerns Before, During, and After Wildfire and PSPS events***
conditions, injuries, or enrolled in the medical baseline program	(e.g., durable medical equipment used for breathing purposes) Examples of offerings to mitigate impact • SCE offers battery and generator rebates for assistive technology or other devices. Additionally, SCE offers batteries free of charge to customers enrolled in the MBL who reside in HFRA. • SCE partners with Community Based Organizations that serve individuals with AFN to help with wildfire safety education and outreach. • SCE takes additional steps to ensure that MBL and Life Support customers are receiving notifications advising them about a potential PSPS. When SCE does not receive confirmation that these customers received proactive alerts and notifications, SCE will conduct follow-up calls and messages, and finally, send a representative to attempt in-person contact (doorbell ring).
Limited English proficiencies	• Limited access to understand electrical corporation wildfire hazards and risks, specific actions that can be taken to reduce risk, and awareness of emergency services, resources, etc. Examples of offerings to mitigate impact • SCE offers notification/alerts in plain English (translated into prevalent languages) • SCE partners with Community Based Organizations that serve individuals with AFN to help with wildfire safety education and outreach.
Children	• Access to information that can be understood Examples of offerings to mitigate impact • SCE partners with Community Based Organizations that serve individuals with AFN, including youth-based groups, to help with wildfire safety education and outreach.

Target Community	***Interests or Concerns Before, During, and After Wildfire and PSPS events***
People living in institutionalized settings	• Access of information pertaining to wildfire hazards and risks, specific actions that can be taken to reduce risk, and awareness of emergency services, resources, etc. Examples of offerings to mitigate impact • SCE provides advance notifications to Public Safety Partners and critical infrastructure and keeps them informed of the PSPS • SCE offers individuals with access to address level alerts for PSPS. Any individual can enroll to receive these alerts even if they are not the customer of record.
People who are low income or enrolled in income qualified programs	• Access to resources and food support during a PSPS Examples of offerings to mitigate impact • SCE partnered with 211 California Network to assist customers with food needs during and immediately after a PSPS. • SCE is expanding partnerships with local food banks to provide customers affected by PSPS with a food box during or immediately after a PSPS.
People experiencing homelessness	• Access of information pertaining to wildfire hazards and risks, specific actions that can be taken to reduce risk, and awareness of emergency services, resources, etc. • Access to power and cell signal for their mobile devices Examples of offerings to mitigate impact • SCE provides advance notifications to Public Safety Partners and critical infrastructure and keeps them informed of the PSPS. • SCE offers individuals with access to address level alerts for PSPS. Any individual can enroll to receive these alerts even if they are not the customer of record.

Target Community	***Interests or Concerns Before, During, and After Wildfire and PSPS events***
People who are transportation disadvantaged, including but not limited to, those who are dependent on public transit	• Access of on-demand transportation for evacuation, or relocation purposes • Access of on-demand transportation to visit community resource centers or community crew vehicles Examples of offerings to mitigate impact • SCE partnered with 211 California Network to assist customers with transportation needs. • SCE provides advance notifications to Public Safety Partners and critical infrastructure (transportation sector is identified as a critical infrastructure) and keeps them informed of the PSPS.
People who are pregnant or nursing babies	• Access to electrically powered durable medical equipment or assistive technology used for health, safety, independence and nursing (e.g., breast pump, air conditioner, or refrigeration for medication, formulas, or breast milk) Examples of offerings to mitigate impact • SCE offers battery and generator rebates for assistive technology or other devices. Additionally, SCE offers batteries free of charge to customers enrolled in the MBL who reside in HFRA. • Customers who have refrigeration needs for medication, formulas, or breastmilk can get a small thermal bag and ice voucher at any CRC/CCV that are operating during PSPS.

Below is a list of community partners the electrical corporation is working with or intends to work with to support its community outreach and education programs.

Table 8-59 - List of Community Partners

This table is provided in full within the supporting documents folder at:

https://www.sce.com/safety/wild-fire-mitigation

Community Partners	***County***	***City***
AMERI CARE ENTERPRISES INCORP	LOS ANGELES	INGLEWOOD
ASA CHARTER SCHOOL	SAN BERNARDINO	SAN BERNARDINO
ASSISTANCE LEAGUE OF SANTA ANA	ORANGE	SANTA ANA
Full table is included within the supporting documents folder at https://www.sce.com/safety/wild-fire-mitigation.		

Below lists information on SCE's community outreach and education programs.

Table 8-60 - Community Outreach and Education Programs

Core Activity	***Event Type***	***Period of Application (Before, During, After Incident)***	***Name of Outreach or Education Program***	***Description of Program***	***Target Audience***	***Reference/ Link***
Advertising Campaign	PSPS and Emergency Events	Before	Emergency Preparedness, PSPS Definition /Condition, Wildfire Mitigation, Alert Sign-Up, MBL Program, and Customer Resources and Support	The advertising campaign aims to convey key messages that collectively help educate customers about PSPS, wildfire mitigation and emergency preparedness. These advertisements run on a variety of channels including print/newspaper, digital banners, digital video, connected TV, social media, search, digital audio and broadcast radio.	General public, AFN population, limited English proficiency (LEP) population	N/A
Traditional Media	PSPS, Wildfire, and Emergency Events	Before, During and After	PSPS, emergency preparedness tips, PSPS alerts, wildfire mitigation, in event information	The dedicated media team conducts outreach to outlets ahead of the height of PSPS and wildfire season to educate reporters and share resources. During events they conduct active outreach to outlets covering affected areas and after events they continue responding to inquiries and providing information.	TV, radio, print, news websites	N/A
Social Media	PSPS, Wildfire, and Emergency Events	Before, During and After	PSPS, emergency preparedness tips, PSPS alerts, wildfire mitigation, CCV and CRC information	SCE uses social media with paid and organic posts informing customers about a variety of emergency preparedness information shared through Facebook, Twitter, Instagram and Nextdoor	General public	N/A
Direct Customer Mailings	PSPS, Wildfire, and Emergency Events	Before	PSPS Newsletter	As part of the direct customer mailing strategy, SCE sent the 2022 PSPS Newsletter to all SCE customers in both HFRAs and non-HFRAs The HFRA PSPS newsletter highlighted SCE's wildfire mitigation efforts and what we are doing to reduce the impacts of PSPS events. Customer Care resources were also prominently featured. A QR code was included to facilitate quick access to SCE's PSPS decision-making video and information related to the performance of SCE-funded fire-suppression helitankers. The Non-HFRA PSPS newsletter focused on outage safety	General public	https://edisonintl.sharepoint.com/:b:/t/Public/MCRR/english/Efaq2EDHvMtAqHrYJbVuULUBiJrF3pVMBXuNmibYiHrLDg?e=ESGerI https://edisonintl.sharepoint.com/:b:/t/Public/MCRR/english/EUAI71A2pN5MjJX2UqoSwY8BqpNmp6-jTTf3oNdEjP_vlg?e=cjA0jL

Core Activity	*Event Type*	*Period of Application (Before, During, After Incident)*	*Name of Outreach or Education Program*	*Description of Program*	*Target Audience*	*Reference/ Link*
				tips and how customers can prepare for emergencies. It also included an update on SCE's wildfire mitigation efforts. Translated versions of the HFRA and non-HFRA PSPS Newsletters in all 19 prevalent languages were made accessible to customers via SCE's Wildfire Communications Center on SCE.com.		https://download.newsroom.edison.com/create_memory_file/?f_id=620fe9b4b3aed34b1cc770f3&content_verified=True
Direct Customer Mailings	Wildfire and PSPS	Before	Letters and flyers to SCE mastered-metered property owners/landlords	These letters and flyers were mailed on June 9, 2022 and requested landlord/property owners' assistance with educating their sub-metered tenants about wildfire and PSPS, including steps they can take to plan, prepare and stay safe in advance and during a PSPS outage, in addition to requesting that landlords post the provided flyers for tenant awareness. The flyer included a QR code to help drive signups for PSPS Address Level Alerts. The letter and the flyer are bilingual (English/Spanish). Translated versions of the flyer in Chinese, Vietnamese, Korean and Tagalog (in addition to Spanish) were made accessible for download via SCE's Wildfire Communications Center webpage.	General public	https://www.sce.com/sites/default/files/custom-files/Web%20files/Master%20Meter%20PSPS%202022%20Flyer_English_WCAG.pdf
News and Public Storytelling	Wildfire and PSPS	Before	Energized by Edison	News stories and videos about SCE wildfire mitigation and PSPS efforts	General public	https://energized.edison.com/wildfire-safety
Direct Customer Mailing	Vegetation Management – Routine	Prior to inspections	Vegetation Management Routine Inspections	Intended to make property owners aware that their trees will be inspected by SCE and trimmed/mitigated as needed.	Property owners whose property contains one or more trees in our inventory.	N/A
Email Messaging	Vegetation Management – Routine	Prior to inspections	Vegetation Management Routine Inspections	Intended to make property owners aware that their trees will be inspected by SCE and trimmed/mitigated as needed.	Property owners whose property contains one or more trees in our inventory.	N/A

Core Activity	*Event Type*	*Period of Application (Before, During, After Incident)*	*Name of Outreach or Education Program*	*Description of Program*	*Target Audience*	*Reference/ Link*
Direct Customer Mailing	Vegetation Management Palm Inspections	Prior to inspections of palms	Vegetation Management Palm Strategy	Intended to make property owners aware that their palms will be inspected by SCE and trimmed/mitigated as needed.	Property owners whose property contains one or more palms in our inventory.	N/A
Direct Customer Mailing & Email Messaging	Fast Curve Pilot Circuits	Prior and during changes made to the 15 circuits with the faster-acting pilot settings	Fast curve settings	Informed local government city managers and staff in HFRA about the changes SCE is making to its fast curve settings strategy, which has been implemented since 2018. Informed Medical Baseline and critical infrastructure customers on the 15 circuits with faster-acting pilot settings to prepare for potential outages by providing links to resources as well as a link to the fast curve fact sheet.	HFRA city managers and staff; Medical Baseline and critical infrastructure customers on the 15 faster-acting pilot settings	N/A

8.5.3 Engagement with Access and Functional Needs Populations

In this section, the electrical corporation must provide an overview of its process for understanding, evaluating, designing, and implementing wildfire and PSPS risk mitigation strategies, policies, and procedures specific to AFN customers across its territory. The electrical corporation must also report, at a minimum, on the following:

- *Summary of key AFN demographics, distribution, and percentage of total customer base.*

Based on 2022 data, SCE estimates that it has over 1.5 million unique customer accounts with AFN, which equates to approximately 32% of total customer accounts. SCE uses an approach consistent with other IOUs to identify and track customers with AFN. See Section 5.4.3.1 Individuals at Risk from Wildfire for a map showing the Distribution of AFN across SCE service territory.

SCE aggregates unique customer accounts enrolled in the following programs to determine the annual number of customers and percentage of accounts:

- California Alternate Rates for Energy (CARE) or Family Electric Rate Assistance (FERA): The annual number of income-qualified customers is calculated as the total number of service accounts enrolled in SCE's income qualified programs such as CARE/FERA.
- Medical Baseline Allowance Program: The annual number of MBL customers is calculated as the total number of customers enrolled in SCE's MBL program.
- Life-Support (Critical Care): Critical Care customers are a subset of the MBL population. The annual number of Critical Care customers is calculated as the total number of customers who have been identified to use medical equipment for life support purposes, meaning that the customer cannot be without life support equipment for at least two hours.
- Customers who receive their utility bill in an alternate format (e.g., Braille; large font).
- Customers who have identified their preferred language as a language other than English: Limited English proficiency is calculated based on the total number of customers who have self-certified with SCE as their primary language is other than English.
- Older adults/seniors: Customers who have certified as being 65 years or older
- Customers who self-certify SCE appends information on customer accounts for households that self-certify as having someone in their household with a condition that can be significantly affected by the interruption of power during a PSPS event or a disconnection for non-payment of a bill. The benefit of self-certification, which is good for 90 days, is that in the event of a disconnection, SCE will attempt to reach the customer through their preferred method of contact (email, text, or voice call) to notify them of the outage. If SCE cannot reach the customer through their preferred method, a field service representative will attempt to make in-person contact at the customer's home address to deliver the message regarding the disconnection.

SCE launched an AFN Self-Identification pilot in 2022 to further identify customers and household members with access and functional needs, above and beyond customers enrolled in the Medical Baseline Allowance Program. The pilot was conducted among all residents on SCE circuit frequently impacted by PSPS. In 2023, it will be expanded to a full campaign to reach all account holders residing in HFRAs.

New customer information gathered through the survey will enable SCE to provide further tailored support to customers who:

- Rely on electrically powered medical equipment
- Need heating and cooling for body temperature regulation
- Rely on assistive technology
- Need refrigeration for a medical purpose
- Need accessible transportation
- Cannot leave home without difficulty
- Are 65 and older
- Have a household member with a disability
- Have language preferences

For other AFN categories not currently tracked in our data system, SCE uses data from Acxiom, a third-party vendor providing census-based data. Acxiom supplies data to SCE for each residential service account on an annual basis. However, it is important to note that the data available on AFN individuals does not cover all categories (e.g., individuals experiencing homelessness or transient populations, or transportation disadvantaged).

SCE's efforts to reach, engage and support AFN communities, including developing partnerships with CBOs and providing for AFN needs at CRCs, can be found in the 2023 AFN Plan filed on January 30, 2023.

Evaluation of the specific challenges and needs during a wildfire or PSPS event of the electrical corporation's AFN customer base.

Every year, SCE conducts an annual PSPS Tracker Survey, which asks customers who had been in scope of a PSPS in the prior year about their experience and knowledge surrounding PSPS. In 2022, SCE included AFN demographics questions to the survey to better understand the experience of PSPS specific to customers who have disabilities and other access and functional needs. Challenges and needs as highlighted in the Survey include:

- Concerns on alternate sources of power and the challenges of financial barriers to building resiliency.
- Concerns on the negative impacts to households, including the challenges associated with the inability to use or charge adjustable hospital beds, electric scooters, nebulizers, air conditioners, and Continuous Positive Airway Pressure (CPAP) machines.

Further details on the results and insights gained from this survey are provided in SCE's 2023 Annual AFN Plan filed to the CPUC on January 30, 2023.[265]

In Q4 2022, SCE launched a study to gain a deeper understanding of the accessibility of engaging with SCE.com, including the Outage Center and dedicated AFN PSPS landing page, for customers with sensory disabilities. This valuable customer experience feedback will be used to evaluate improvements to SCE.com.

Additionally, during PSPS events, SCE opens Community Resource Centers (CRCs) and deploys Community Crew Vehicles (CCVs) in areas near the impacted area to provide customers a safe place to

[265] AFN Plan available at https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M501/K654/501654066.PDF

charge their personal devices and obtain resiliency items. SCE encourages customers who visit our CRCs and CCVs to complete a survey about their experience and captures direct feedback from all customers, including those with AFN.

Plans to address specific needs of the AFN customer base throughout the service territory specific to the unique threats that wildfires and PSPS events may pose for those populations before, during, and after the incidents. This should include high-level strategies, policies, programs, and procedures for outreach, engagement in the development and implementation of the AFN-specific risk mitigation strategies, and ongoing feedback practices.

Pursuant to the CPUC Decision in Phase Two and Phase Three of Rulemaking 18-12-005, SCE submits an annual AFN Plan for PSPS Support.[266] The AFN Plan focuses on mitigating the impacts of a power shutoff on individuals with AFN who depend on electricity. Quarterly updates are also submitted that measure progress on implementing that plan.

This plan is focused on the specific approach for serving individuals with AFN leading to and during PSPS. It summarizes the research, feedback, and external input that has shaped the support strategy for populations with AFN, the programs that serve these individuals, the preparedness outreach approaches focused on populations with AFN, and the in-event customer communications, which serve populations with AFN.

Reference the Utility Initiative Tracking ID where appropriate.

8.5.4 Collaboration on Local Wildfire Mitigation Planning

In this section, the electrical corporation must provide a high-level overview of its plans, programs, and/or policies for collaborating with communities on local wildfire mitigation planning (e.g., wildfire safety elements in general plans, community wildfire protection plans, local multi-hazard mitigation plans) within its service territory. The narrative must be no more than one page.

As discussed in Section 8.4.1 Overview SCE's All Hazards Plan (AHP) articulates the operations and policies that guide how the company prepares for, responds to and recovers from emergency electrical incidents using the utility-specific Incident Command Structure. It is designed to facilitate safe and efficient restoration of outages caused by outside forces, through the development of accurate situational awareness and the sharing of critical information during an incident. The AHP outlines the communications strategy and notification procedures that SCE utilizes to communicate with its customers, the public, appropriate government agencies, essential service providers, critical care customers, and other important stakeholders in the restoration process. It also outlines how SCE will collaborate with the communities it serves in preparing for and responding to emergency events, which may include activities such as pre-positioning of field resources or equipment in advance of forecasted weather events.

An important component to the AHP is the California Standardized Emergency Management System (SEMS). The SEMS is a structure for coordination between the government and local emergency response organizations. It provides and facilitates the flow of emergency information and resources within and between the organizational levels of field response, local government, operational areas, regions, and state emergency management. SCE has integrated SEMS into its emergency plans and response structure.

[266] *Ibid.*

During an incident, SCE aligns its response with affected agencies. Coordination with affected agencies requires SCE to engage stakeholders for collaborative planning prior to an incident (e.g., storm, wildfire, PSPS), creating a process to request agency representation during an incident or event, and implementing an IMT structure to manage an incident. SEMS incorporates:

- Incident Command System - A field-level emergency response system based on management by objectives.
- Multi/Inter-agency coordination - Affected agencies working together to coordinate allocations of resources and emergency response activities.
- Mutual Aid - A system for obtaining additional emergency resources from non-affected jurisdictions.
- Operational Area Concept - County and its sub-divisions to coordinate damage information, resource requests and emergency response.

*I*n addition, the electrical corporation must provide the following information in tabular form, providing no more than one page of tabulated information in the main body of the WMP and the full table in an Appendix as needed.

- *List of county, city, and tribal agencies and non-governmental organizations (e.g., nonprofits, fire safe councils) within the service territory with which the electrical corporation has collaborated or intends to collaborate on local wildfire mitigation planning efforts (i.e., non-wildfire emergency planning activities)*
    - *For each entity, the local wildfire mitigation planning program/plan/document, level of collaboration (e.g., meeting attendance, verbal or written comments), and date the electrical corporation provided its last feedback. Table 8-61 provides an example of the minimum acceptable level of information. Reference the Utility Initiative Tracking ID where appropriate.*
- *In a separate table, the electrical corporation must provide a list of current gaps and limitations in its collaboration efforts with local partners on local wildfire planning efforts. Where gaps or limitations exist, the electrical corporation must indicate proposed means and methods to increase collaborative efforts. Table 8-62 provides an example of the minimum acceptable level of information.*

Below SCE lists information on collaboration with community partners.

Table 8-61 - Collaboration in Local Wildfire Mitigation Planning

Please see Appendix F: Supplemental Information for the complete table

Name of County, City, or Tribal Agency or Civil Society Organization (e.g., nongovernmental organization, fire safe council)	***Program, Plan, or Document***	***Last Version of Collaboration***	***Level of Collaboration***
Acton Town Council	General WMP Plan and PSPS Protocols	6/27/2022	Acton Town Council Wildfire Mitigation Update Completed
Acton Town Council	General WMP Plan and PSPS Protocols	6/17/2022	Acton Town Council Concerned About Uptick in Emergency Outages
Adelanto	General WMP Plan and PSPS Protocols	6/9/2022	City of Adelanto Reliability Report and WMP/PSPS Briefing Meeting
Agoura Hills	General WMP Plan and PSPS Protocols	6/21/2022	Wildfire
Full table is included in Appendix F: Supplemental Information			

Below SCE lists information on gaps and limitations in collaborating with community partners.

Table 8-62 - Key Gaps and Limitations in Collaborating on Local Wildfire Mitigation Planning

Subject of Gap or Limitation	Brief Description of Gap or Limitation	Strategy for Improvement
Community engagement feedback	Received recommendations on: • Expanding marketing and promotion of meetings • Refining messages and channels based on performance data	SCE is working on expanding outreach efforts to additional social media platforms and continuing to develop ad with relevant messaging. • Target timeline: ongoing

8.5.5 Best Practice Sharing with Other Electrical Corporations

In this section, the electrical corporation must provide a high-level overview of its policy for sharing best practices and collaborating with other electrical corporations on technical and programmatic aspects of its WMP program. The narrative must be no more than one page.

SCE continues to seek improvements to its wildfire mitigation approaches and further reduce wildfire risk by increasing opportunities to collaborate and exchange ideas with other utilities, technology developers, communities and governmental agencies. This includes memberships in industry organizations, outreach to commercial customers with national accounts, participation in technical forums and meeting regularly with electric utilities nationally and abroad.

For example, SCE has regular check-ins with other utilities through the International Wildfire Risk Management Consortium (IWRMC). IWRMC's mission is to facilitate a system of working and networking channels between members of the global utility community to support ongoing sharing of data, information, technology, and practices, and proactively address the wildfire issue through learning, innovation, analysis, and collaboration. SCE, along with SDG&E and PG&E in the United States and Powercor and AusNet Services in Australia, is a founding member and participant in the IWRMC Executive Steering Group. Today, over a dozen other utilities facing significant wildfire risks currently participate in the IWRMC, with members hailing from the United States, Canada, South America, and Australia.

IWRMC member companies address wildfire issues through participation in tactical working groups, quarterly best practice sharing webinars, and direct discussions with their peers. Through this arrangement, the consortium is designed to accelerate learning and improve existing models and approaches by providing access to more and better data while allowing for swift re-orientation and prioritization of issues as the industry adapts to the unique set of issues that arise each year. The IWRMC is oriented around four strategic areas: 1) risk management, 2) asset management, 3) vegetation management, and 4) operations & protocols. In 2021, dedicated sessions were also held that focused on Data Governance and Stakeholder Engagement. IWRMC working groups routinely conduct member surveys on specific topic areas to supplement and enhance the direct discussions that occur during working group meetings.

In addition, the electrical corporation must provide a list in tabular form of relevant electrical corporations and other entities it has shared or collaborated, or intends to continue to share or collaborate or begin sharing or collaborating, with on best practices for technical or programmatic aspects of its WMP program.

For each entity, the best practice subject, date(s) of collaboration, whether the collaboration is technical or programmatic, list of electrical corporation partners, a description of the best practice sharing/collaborative activity with a reference, and any outcomes from that sharing or activity.

Reference the Utility Initiative Tracking ID where appropriate.

The overview and table must be no longer than two pages in the main body of the WMP. The full table can be included as an appendix as needed.

Table 8-63 provides an example of the minimum acceptable level of information.

Please note that Table 8-63 is labeled as 8-64 in the OEIS Final Technical Guidelines, and the table below will be labeled as 8-64 to be consistent with the guidelines

Below SCE lists information on best practice sharing and collaboration with other electric partners.

Table 8-63 - Best Practice Sharing with Other Electrical Corporations

Best Practice Subject	***Dates of Collaboration (YYYY-YYYY)***	***Technical or Programmatic***	***Electrical Corporation Partners***	***Description of Best Practice Sharing or Collaborating***	***Outcome***
Risk Modeling Working Group	2022 – Ongoing	Technical	SDG&E, PG&E, Bear Valley, PacifiCorp, and Liberty	Working group meetings included information gathering and comparing risk modeling methodologies of the subject utilities.	Future working group meetings moving to understanding best practices and towards consistency on utility approaches to risk modeling.
Covered Conductor Working Group	2021 – ongoing	Technical	SDG&E, PG&E, Bear Valley, PacifiCorp, and Liberty	SCE conducts regular meetings with the joint IOUs regarding the effectiveness of covered conductor. These include meetings on estimated effectiveness, recorded effectiveness, laboratory testing, benchmarking, alternatives to covered conductor, new technologies, maintenance and inspection practices, PSPS impacts, and costs. In these meetings, the utilities share data, practices, methodologies, testing results, and future plans.	• Confirmed effectiveness of covered conductor to prevent ignitions from contact-from-object and wire-to-wire slapping. • Establishing workshops in 2023 to identify maintenance and inspection best practices, assess testing results, develop a methodology to calculate the estimated effectiveness of a combination of mitigations, assess the results of PSPS studies, and to assess each utilities' estimated effectiveness of new technologies
Vegetation Line Clearances Working Group	2022 – ongoing	Technical and Programmatic	SDG&E and PG&E	Increase alignment amongst California electrical corporations related to line clearing data collection practices and record keeping of tree-caused risk events.	PG&E, SDG&E, and SCE chose a third-party consultant to establish the data collection standards, create the cross-utility database, and study the relationship between enhanced vegetation clearances and tree-caused risk events.
Wildfire Mitigation	2021 – ongoing	Technical and Programmatic	Varies depending on engagement	SCE engages and shares best practices with industry trade associations and agencies, as well as other utilities by participating in conferences and other external events.	Participating in industry conferences and other forums as well as engaging with peer utilities provide regular opportunities to share best practices on topics pertaining to wildfire mitigation, including PSPS. In 2022, SCE participated in the following external engagements, including but not limited to: • Electric Utility Consultants, Inc.'s (EUCI) "Wildfire Season Recap Summit" Conference • Edison Electric Institute (EEI) FERC Transmission – Annual CEO Meetings • Western Energy Institute (WEI) Wildfire Conference • Western Electricity Coordinating Council (WECC) Summer Readiness

Best Practice Subject	*Dates of Collaboration (YYYY-YYYY)*	*Technical or Programmatic*	*Electrical Corporation Partners*	*Description of Best Practice Sharing or Collaborating*	*Outcome*
					Webinar • Institute of Electrical and Electronics Engineers (IEEE) Panels on Fire Mitigation & Grid Resiliency and Undergrounding • EEI Transmission, Distribution, Metering and Mutual Assistance Conference • North American Transmission Forum (NATF) • Tour of SCE's Emergency Operations Center for Portland General
Risk Spend Efficiency (RSE)	2021 – 2022 (Ongoing with SDG&E and PG&E)	Technical	SDG&E, PG&E, Bear Valley, PacifiCorp, and Liberty	Working group meetings focus on utility inputs and calculations used in RSE calculations with the aim of developing a standardized approach.	Continue to interpret RSE guidelines as provided in the WMP, including effectiveness of mitigation programs. Benchmarking feedback is reviewed and adjustments to RSE calculations are considered.
EPSS	2021 – 2022	Technical and Programmatic	SDG&E and PG&E	Engagements with west coast utilities to discuss protective device settings in order to mitigate utility equipment caused wildfire ignitions.	The use of fast trip settings has been widely among peer utilities and utilities continue to look at new technologies to implement into their systems.
PSPS	2021 – ongoing	Programmatic	SDG&E and PG&E	Discussion of various aspects of PSPS community outreach and engagement.	Ongoing
Distribution Aerial Resources	Q2 2022 – Ongoing	Technical and Programmatic	SDG&E, PG&E, Duke Energy, Southern Company	Discussion of programmatic and technical aspects of distribution aerial inspections, including size and scope of program, image capture and processing, and future plans.	Ongoing

8.5.6 Maturity Advancement

SCE continually seeks alignment with government and industry organizations and practices and continues to look for opportunities to improve community outreach maturity over time.

The activities discussed in this section could lead to Community Outreach and Engagement advancements. Below is a summary of broader anticipated maturity improvements over the WMP period that supplement the objectives outlined at the beginning of the Section.

Table SCE 8-17 - Community Outreach Maturity Improvements

Capability Name	Projected Maturity Improvements
Engagement with AFN and Socially Vulnerable Populations	Improvements include hosting meetings with AFN and MBL groups on effectiveness of engagements, and to update program activities based on this feedback. Other improvements are establishing working relationships with at least one community partner for each AFN, MBL and socially vulnerable groups at the county level.

9 PUBLIC SAFETY POWER SHUTOFF

9.1 Overview

In Sections 9.1–9.5 of the WMP,[267] *the electrical corporation must:*

- *Provide a high-level overview of key PSPS statistics*
- *Identify circuits that have been frequently de-energized and provide measures for how the electrical corporation will reduce the need for, and impact of, future PSPS implementation on those circuits*
- *Describe expectations for how the electrical corporation's PSPS program will evolve over*
- *the next 3 and 10 years*
- *Describe any lessons learned for PSPS events occurring since the electrical corporation's last WMP submission*
- *Describe the electrical corporation's protocols for PSPS implementation*

9.1.1 Key PSPS Statistics

In this section, the electrical corporation must include a summary table of PSPS event data. These data must be calculated from the same source used in the GIS data submission (i.e., they should be internally consistent). If it is not possible to provide these data from the same source, the electrical corporation must explain why. Table 9-1 provides an example of the minimum acceptable level of information for a summary of PSPS event data.

SCE provides key PSPS event statistics by calendar year in Table 9-1. In previous WMPs, SCE provided data by fire season to better reflect data that corresponds to SCE's tools and practices, which are updated and implemented ahead of each fire/PSPS season and revised post-season. For this WMP, SCE provides the information by calendar year pursuant to Energy Safety direction.

[267] *Annual information included in the following sections must align with Table 10 of the QDR.*

Table 9-1 - PSPS Event Statistics[268]

	No. of Events[269]	Total Circuits De-energized	Total Customers[270] Impacted	Total Customer Minutes of Interruption
Jan 1 – Dec 31 2018[271]	2	6	148	228,227
Jan 1 – Dec 31 2019	7	267	198,826	316 million
Jan 1 – Dec 31 2020	10	424	229,800	268 million
Jan 1 – Dec 31 2021	8	232	179,502	222 million
Jan 1 – Dec 31 2022	3	13	15,784	7 million

9.1.2 Identification of Frequently De-energized Circuits

Public Utilities Code section 8386(c)(8) requires the "[i]dentification of circuits that have frequently been de-energized pursuant to a PSPS event to mitigate the risk from wildfire and the measures taken, or planned to be taken, by the electrical corporation to reduce the need for, and *impact of, future PSPS of those circuits, including, but not limited to, the estimated annual decline in circuit PSPS and PSPS impact on customers, and replacing, hardening, or undergrounding any portion of the circuit or of upstream transmission or distribution lines." To comply, the electrical corporation is required to populate Table 9-2 and provide a map showing the frequently de-energized circuits.*

[268] SCE's PSPS data management capabilities and the CPUC's PSPS reporting guidelines have continuously evolved since the inception of the PSPS program in 2018, with a significant shift in 2021 when the CPUC issued a standardized PSPS post-event reporting template and SCE transitioned to a largely automated Central Data Platform (CDP) to better manage its PSPS data. Given the differences in source data systems, data quality and methodology, SCE's PSPS data for the 2018 through 2020 time period may not be directly comparable to data reported for 2021 and later PSPS events. Notwithstanding these differences, there has been a clear downward trend in PSPS customer impacts from 2020 to the present. Data for 2021 and 2022 has been updated to align with the methodology used in SCE's PSPS-related reports which provide total unique customers and unique circuits de-energized per PSPS event. SCE will align its QDR submission to this methodology going forward.

[269] The number of events includes only de-energization events (no circuits or customers are de-energized during high-threat events).

[270] *Here, "customers" is customer accounts. The electrical corporation may use electric meters as a proxy for customers.*

[271] This includes data from the de-energization event that occurred on 1/1/19 as that event started in 2018.

The map must show the following:

- *All circuits listed in Table 9-2, colored or weighted by frequency of PSPS*
- *HFTD Tiers 2 and 3 contour overlay*

Examples of the minimum acceptable level of information are provided in Table 9-2.

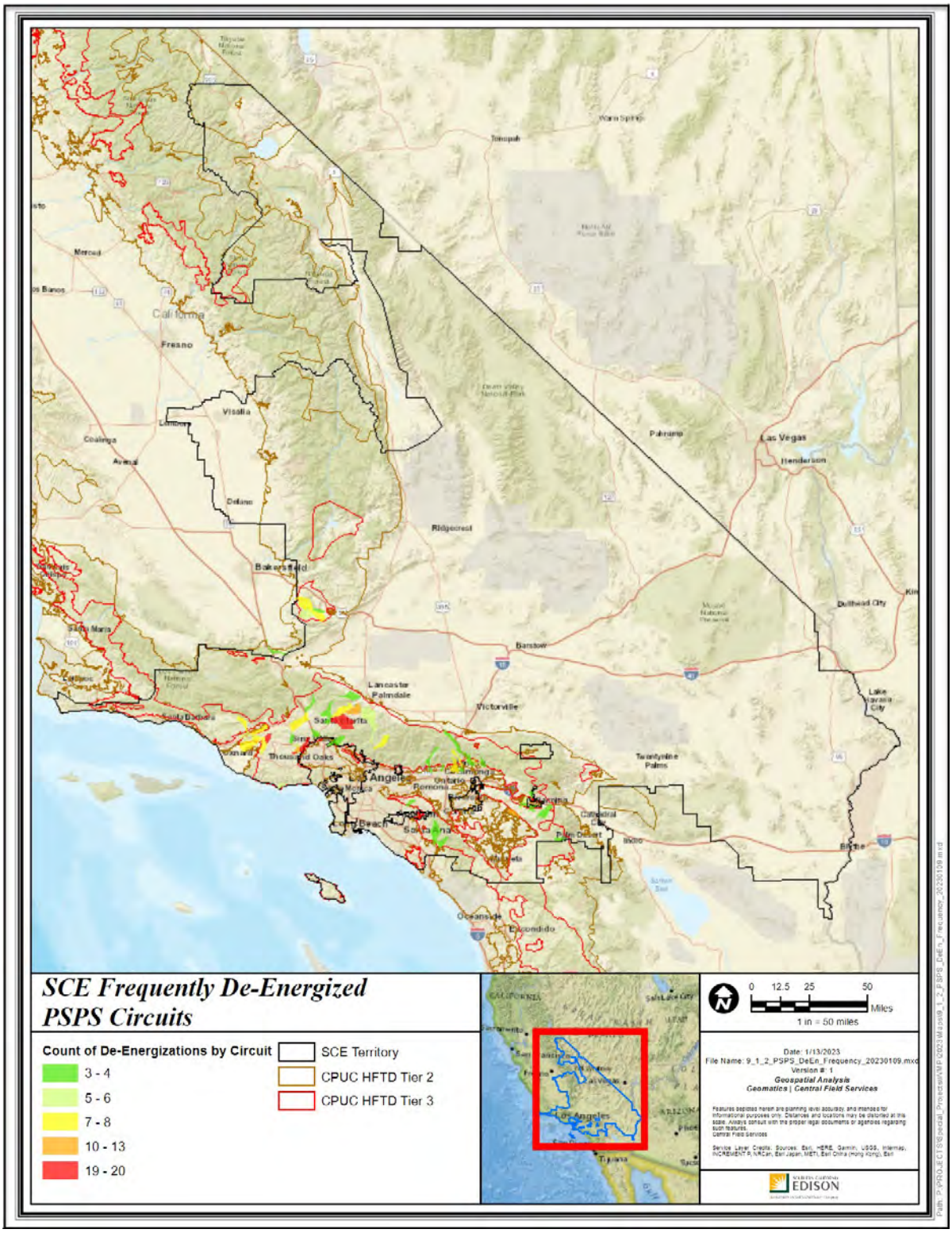
Table 9-2 - Frequently De-energized Circuits

Entry #	Circuit ID	Name of Circuit	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures Taken, or Planned to Be Taken, to Reduce the Need for and Impact of Future PSPS of Circuit
SCE provides the tabulated data for Table 9-2 in Appendix F: Supplemental Information.						

Note: Once populated, if this table is longer than two pages, the electrical corporation must append the table.

SCE provides the tabulated data for Table 9-2 in Appendix due to the size of the table. Figure SCE 9-01 below shows a map of the frequently de-energized circuits. SCE has provided spatial data for the frequently de-energized circuits, which can be found on SCE's website.

Figure SCE 9-01 - Frequently De-Energized Circuits[272]



[272] Map as of 01/09/2023. SCE has provided the spatial data of the frequently de-energized circuits. Please see https://www.sce.com/safety/wild-fire-mitigation.

9.1.3 Objectives

Each electrical corporation must summarize the objectives for its 3-year and 10-year plans to reduce the scale, scope, and frequency of PSPS events.[273] These summaries must include the following:

- *Identification of which initiative(s) in the WMP the electrical corporation is implementing to achieve the stated objective, including Utility Initiative Tracking IDs*
- *Reference(s) to applicable codes, standards, and best practices/guidelines and an indication of whether the electrical corporation exceeds an applicable code, standard, or regulation*
- *Method of verifying achievement of each objective*
- *A completion date for when the electrical corporation will achieve the objective*
- *Reference(s) to the WMP section(s) or appendix, including page numbers, where the details of the objective(s) are documented and substantiated*

This information must be provided in Table 9-3. Example of PSPS Objectives (3-year plan) for the 3-year plan and Table 9-4. Example of PSPS Objectives (10-year plan) for the 10-year plan. Examples of the minimum acceptable level of information are provided below.

SCE provides PSPS objectives for its 3-year plan in Table 9-3 and 10-year plan in Table 9-4. The objectives included in these tables focus on activities that can help to reduce the scope, duration, and frequency of PSPS events. To the extent mitigation initiatives discussed in other WMP Sections support these objectives, SCE identifies those initiative in these tables.

[273] *Annual information included in this section must align with Table 12 of the QDR.*

Table 9-3 - PSPS Objectives (3-year plan)

Objectives for Three Years (2023–2025)	Applicable Initiative(s) & Tracking ID(s)	Applicable Regulations, Codes, Standards, and Best Practices (See Note)	Method of Verification (i.e., program)	Completion Date	Reference (section & page #)
Re-evaluate existing PSPS windspeed thresholds using engineering-based analysis that considers, among other factors, the effectiveness of covered conductor	N/A	Best Practices	Documentation demonstrating adjustments (if any) to SCE's PSPS decision-making criteria as a result of the threshold re-evaluation	Ongoing	Appendix D: Areas for Continued Improvement, ACI SCE-22-25 Increasing PSPS Thresholds on Hardened Circuits, p. 784-788; ACI SCE-22-26 PSPS System Damage in Consequence Modeling p. 787
Perform additional grid sectionalization and automation, paired with weather stations, to reduce the scope of PSPS events	SH-5	Best practices	Grid sectionalization work is reflected in SCE's completed work orders and will be discussed in future WMP updates	Ongoing; see annual targets outlined in Table 9-5	Section 8.1.2.8 Installation of Syst. Aut. Equipment, pp. 271-273
Evaluate emerging technology for potential incorporation into PSPS protocols	REFCL (SH-17, SH-18)	Best practices	Discussion will be included in future WMP updates	Ongoing	Section 8.1.2.6 Emerging Grid Hardening Tech, pp. 266-269
Continue to increase situational awareness and improve precision of weather forecasting to help optimize the scope of PSPS events	SA-1, SA-3, SA-8, SA-10	Best practices	Discussion will be included in future WMP updates WMP updates	Ongoing; see annual targets outlined in Table 9-5	Section 8.3 Situational Awareness and Forecasting, pp. 445-520

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

Table 9-4 - PSPS Objectives (10-year plan)

Objectives for Ten Years (2026–2032)	**Applicable Initiative(s) & Tracking ID(s)**	**Applicable Regulations, Codes, Standards, and Best Practices (See Note)**	**Method of Verification (i.e., program)**	**Completion Date**	**Reference (section & page #)**
Sufficiently harden HFRA circuits to reduce potential PSPS impacts by up to 90%[274]	SH-1, IWMS Framework	Best Practices	Circuit threshold change log, examination of PSPS de-energization conditions	2026 - 2032	Section 8.1.2 Grid Design and Syst. Hardening pp. 250-277
Incorporate successful emerging technologies into PSPS protocols to optimize scale, scope and frequency of PSPS	REFCL (SH-17, SH-18)	Best Practices	Revised operational protocols	2026 - 2032	Section 8.1.2.6 Emerging Grid Hardening Tech, pp. 266-269

Note: An asterisk indicates that the electrical corporation exceeds a particular code, regulation, standard, or best practice. The electrical corporation must provide a reference to the appendix section and page providing further documentation, justification, and substantiation.

[274] This analysis assumes an average PSPS threshold of 31mph sustained winds or 46mph wind gusts for bare, non-hardened circuits, and compares the average exceedance of that control point versus an average threshold of 40mph sustained winds or 58mph wind gusts for circuits with full covered conductor. Based on historical wind speed and FPI, the average circuit across SCE's service territory breaches the approximated hardened threshold about 90% less.

9.1.4 Targets

Initiative targets are forward-looking quantifiable measurements of activities identified by each electrical corporation in its WMP. Electrical corporations will show progress toward completing targets in subsequent reports, including QDRs and WMP Updates.

The electrical corporation must list all targets it uses to track progress on reducing the scope, scale, and frequency of PSPS for the three years of the Base WMP. Energy Safety's Compliance Assurance Division and third parties must be able to track and audit each target.[275] *For each initiative target, the electrical corporation must provide the following:*

- *Utility Initiative Tracking IDs.*
- *Projected targets for the three years of the Base WMP and relevant units.*
- *The expected "x% risk impact" for each of the three years of the Base WMP. The expected x% risk impact is the expected percentage risk reduction per year, as described in Section 7.2.2.2.*
- *Method of verifying target completion.*

The electrical corporation's targets must provide enough detail to effectively inform efforts to improve the performance of the electrical corporation's initiatives aimed at reducing the scope, scale, and frequency of its PSPS events.

SCE provides its targets for the next three years (2023-2025) in Table 9-5. These targets focus on initiatives that reduce the scope, duration, and frequency of PSPS events, and due to their broader benefits, are also represented in prior Sections of this WMP. Targets that support reducing customer impacts from PSPS can be found in Section 8.4.

SCE's 2023 target specific to the reduction of the scale, scope, and frequency of PSPS events is the projected reduction of customer minutes of interruption due to applying SCE's 2023 mitigation scope based on the actual PSPS de-energization locations (driven by historical weather and fuel conditions) of 2020-2022. Because exact locations of mitigations impacting PSPS have not been finalized for 2024 and 2025, SCE's targets for those years assume the same reduction as 2023 and may be updated in the future to reflect actual mitigation scope.

SCE's strive targets of customer minutes of interruption in 2023, 2024, and 2025 are contingent upon weather and fuel conditions, which are factors beyond its control. SCE's strive targets assume that weather and fuel conditions will match the average of the prior three years; to the extent such conditions are worse than the average, SCE's strive targets will no longer be meaningful.

[275] *Annual information included in this section must align with Tables 1 and 12 of the QDR.*

Table 9-5 - PSPS Targets

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023	2024 Target & Unit	x% Risk Impact 2024	2025 Target & Unit	x% Risk Impact 2025	Method of Verification
Covered Conductor	SH-1	Install **1,100** circuit miles of covered conductor in SCE's HFRA SCE will strive to install up to as many as **1,200** circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks	See risk impact in Table 8-3	Install **1,050** circuit miles of covered conductor in SCE's HFRA SCE will strive to install up to as many as **1,200** circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks	See risk impact in Table 8-3	Install **500** circuit miles of covered conductor in SCE's HFRA SCE will strive to install up to as many as **600** circuit miles of covered conductor in SCE's HFRA, subject to resource constraints and other execution risks	See risk impact in Table 8-3	Completed work orders
Remote Controlled Automatic Reclosers Setting Update	SH-5	SCE will install **6** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis and subject to change SCE will strive to install **17** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis, resource constraints and other execution risks	See risk impact in Table 8-3	SCE will install **5** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis and subject to change SCE will strive to install **17** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis, resource constraints and other execution risks	See risk impact in Table 8-3	SCE will install **5** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis and subject to change SCE will strive to install **17** RAR/RCS sectionalizing devices subject to 2022 PSPS analysis, resource constraints and other execution risks	See risk impact in Table 8-3	Completed work orders
Weather Stations	SA-1	Install **85** weather stations in SCE's HFRA SCE will strive to install up to **95** weather stations in SCE's HFRA, subject to resource and execution constraints	See risk impact in Table 8-23	Install **50** weather stations in SCE's HFRA SCE will strive to install up to **55** weather stations in SCE's HFRA, subject to resource and execution constraints	See risk impact in Table 8-23	Install **15** weather stations in SCE's HFRA SCE will strive to install up to **20** weather stations in SCE's HFRA, subject to resource and execution constraints	See risk impact in Table 8-23	List and location of installed weather stations
Weather & Fuels Modeling	SA-3	Equip **500** weather station locations with machine learning capabilities SCE will strive to equip up to **600** weather station locations with machine learning capabilities, subject to resource and execution constraints	See risk impact in Table 8-23	Equip **200** weather station locations with machine learning capabilities SCE will strive to equip up to **300** weather station locations with machine learning capabilities, subject to resource and execution	See risk impact in Table 8-23	Implement machine learning at remaining weather station locations that meet eligible criteria, and for additional variables deemed necessary to improve PSPS planning	See risk impact in Table 8-23	List and location of weather stations equipped with machine learning capabilities

Initiative Activity	Tracking ID	2023 Target & Unit	x% Risk Impact 2023	2024 Target & Unit	x% Risk Impact 2024	2025 Target & Unit	x% Risk Impact 2025	Method of Verification
				constraints				
Fire Spread Modeling	SA-8	Complete analytics report summarizing assessment of historical consequence data for improved fire spread modeling	See risk impact in Table 8-23	Provide vendor with analytics report and work with the vendor to complete a plan on future improvements	See risk impact in Table 8-23	Provide recommendation for how consequence metrics can be used for PSPS Decision-Making	See risk impact in Table 8-23	Final analytics report
High Definition (HD) Cameras	SA-10	Install **10** HD Cameras SCE will **strive** to install up to **20** HD Cameras, subject to resource and execution constraints	See risk impact in Table 8-23	Install **10** HD Cameras SCE will **strive** to install up to **20** HD Cameras, subject to resource and execution constraints	See risk impact in Table 8-23	No planned installs. Additional installs will be based on reassessment in 2024	See risk impact in Table 8-23	List and location of installed HD cameras
PSPS	PSPS.NonInitiative.01	SCE will reduce PSPS scope, frequency, and duration by 14.9M minutes of customer interruption, based on applying SCE's 2023 mitigation scope to the actual PSPS de-energization locations (driven by historical weather and fuel conditions) of 2020-2022. While predicting the exogenous factors that drive future PSPS impacts is not reasonably possible, SCE will strive to keep 2023 PSPS impacts to less than 150.6M customer minutes of interruption.	N/A	Because exact locations of mitigations impacting PSPS have not been finalized for 2024, SCE targets a reduction of 14.9M minutes of customer interruption assuming the same reduction as 2023; SCE may update this value in the future to reflect actual mitigation scope. While predicting the exogenous factors that drive future PSPS impacts is not reasonably possible, SCE will strive to keep 2024 PSPS impacts of 135.7M customer minutes of interruption.	[N/A	Because exact locations of mitigations impacting PSPS have not been finalized for 2025, SCE targets a reduction of 14.9M minutes of customer interruption assuming the same reduction as 2023; SCE may update this value in the future to reflect actual mitigation scope. While predicting the exogenous factors that drive future PSPS impacts is not reasonably possible, SCE will strive to keep 2025 PSPS impacts to less than 120.8M customer minutes of interruption.	N/A	Review of year-end PSPS event data.

9.1.5 Performance Metrics Identified by the Electrical Corporation

Performance metrics indicate the extent to which an electrical corporation's Wildfire Mitigation

Plan is driving performance outcomes. Each electrical corporation must:

- *List the performance metrics the electrical corporation uses to evaluate the effectiveness of reducing reliance on PSPS*[276]

For each of these performance metrics listed, the electrical corporation must:

- *Report the electrical corporation's performance since 2020 (if previously collected)*
- *Project performance for 2023-2025*
- *List method of verification*

The electrical corporation must ensure that each metric's name and values are the same in its WMP reporting as its QDR reporting (specifically, QDR Table 2 and QDR Table 3). Metrics listed in this section that are the same as performance metrics required by Energy Safety and reported in QDR Table 2 (Performance Metrics)[277] *must match those reported in QDR Table 2. Metrics listed in this section that are not the same as any of the performance metrics identified by Energy Safety and reported in QDR Table 2 must match those reported in QDR Table 3.*

The electrical corporation must:

- *Summarize its self-identified performance metric(s) in tabular form*
- *Provide a brief narrative that explains trends in the metrics*

In addition to the table, the electrical corporation must provide a narrative (two pages maximum) explaining its method for determining its projected performance on these metrics (e.g., PSPS consequence modeling, retrospective analysis).

SCE provides its the performance metrics that it uses to help evaluate the goal of reducing the scope, duration and frequency of PSPS in Table 9-6. The table includes recorded performance metrics for 2020, 2021 and 2022 and projected performance metrics for 2023, 2024, and 2025.

Number of CPUC reportable ignitions, wire downs, and outages in HFRA: Although these metrics benefit from the effective use of PSPS, they are driven by efforts much broader than SCE's use of PSPS. As such, SCE includes these metrics in the table below for completeness and provides a more detailed discussion of these three metrics and associated trends in Section 8.1.

[276] *There may be overlap between the performance metrics the electrical corporation uses and performance metrics required by Energy Safety. The electrical corporation must list these overlapping metrics in this section in addition to any unique performance metrics it uses.*

[277] *The performance metrics identified by Energy Safety are included in Energy Safety's Data Guidelines.*

Trends in Frequency, Scope, Duration, and Customers Impacted by PSPS Events (total)

From 2020 to 2022, SCE has experienced a general decline in frequency, scope, duration, and customers impacted by PSPS events. As reported in the 2022 WMP Update, PSPS impacts declined by a notable amount from 2020 to 2021 largely attributable to SCE's proactive PSPS mitigations and new event management tools, as well as annual variations in weather and fuel conditions. Principal among these mitigations was the expedited grid hardening performed on 72 of SCE's frequently impacted circuits. This work included the installation of covered conductor, new automated switches, approving circuit exceptions to raise PSPS thresholds or eliminated them altogether, and providing mobile generators to keep power on at some or all locations during PSPS events. PSPS impacts continued to decline from 2021 to 2022, with reductions attributable to the same factors identified above. The mitigations applied from 2021 to 2022 included targeted grid hardening plans consisting of the installation and acceleration of covered conductor scope, installation of new automated switches, and approval of new circuit exceptions to raise PSPS thresholds.

Development of Projections for Frequency, Scope, Duration, and Customers Impacted by PSPS Events (total)

To determine the 2023 projected performance metrics for scope, duration, and number of customers impacted by PSPS Events, SCE used an average of the performance metrics for 2020, 2021, and 2022, then applied a forecast reduction of expected performance improvements from targeted grid hardening work, which is 6% for scope, 9% for duration, and 15% for customers impacted by PSPS events. These percentage improvements were then extrapolated out from the 2023 projections to determine projected performance metrics for 2024 and 2025.

With regard to the performance metric for frequency of PSPS events, SCE does not project a reduction in frequency from the 2020 – 2022 average. SCE's forecast reduction is much more likely to reduce the number of circuits de-energized in its PSPS events than it is to eliminate all circuits from those events.

It is important to note that while the projected performance metrics for 2023, 2024, and 2025 are based on the recorded metrics for 2020, 2021 and 2022, the recorded metrics for 2020, 2021, and 2022 were driven by the weather and fuel conditions experienced in those years. Actual performance metrics for future years will be determined in part by as-yet unknown weather and fuel conditions in those future years and may vary from projected figures.

Table 9-6 - PSPS Performance Metrics Results by Year

Performance Metrics	2020	2021	2022	2023 Projected	2024 Projected	2025 Projected	Method of Verification (e.g., third-party evaluation, QDR)
Frequency of PSPS Events (total)[278]	10	8	3	7	7	7	QDR, Tables 3 and 10
Scope of PSPS Events (total)[279]	424	232	13	210	197	185	QDR, Tables 3 and 10
Duration of PSPS events (total)[280]	4,455,936	3,700,254	112,274	2,508,101	2,282,372	2,076,958	QDR, Tables 3 and 10
Number of customers impacted by PSPS[281]	229,800	179,502	15,784	120,441	102,375	87,019	QDR, Tables 3 and 10
Number of CPUC reportable ignitions in HFRA	50	48	40	39	38	37	QDR, Tables 2 and 3
Number of wire downs in HFRA	379	468	316	361	360	361	QDR, Tables 2 and 3
Number of outages in HFRA	2,824	2,356	2,404	2,018	1,946	1,892	QDR, Tables 2 and 3

[278] Frequency of PSPS Events definition: Number of instances where utility operating protocol requires de-energization of a circuit or portion thereof to reduce ignition probability, per year. Only include events in which de-energization ultimately occurred.
[279] Scope of PSPS Events definition: Circuit-events, measured in number of events multiplied by number of circuits de-energized per year.
[280] Duration of PSPS events definition: Customer hours per year.
[281] Number of customers impacted by PSPS definition: Number of customers impacted by PSPS (if multiple PSPS events impact the same customer, count each event as a separate customer).

9.2 Protocols on PSPS

The electrical corporation must describe its protocols on PSPS implementation including:

- *Risk thresholds (e.g., wind speed, FPI, etc.) and decision-making process that determine the need for a PSPS. Where the electrical corporation provides this information in another section of the WMP, it must provide a cross-reference here rather than duplicating responses.*

SCE deploys wildfire mitigation measures to reduce the probability of ignitions associated with electrical infrastructure in HFRA. These activities include grid hardening measures such as installation of covered conductor, repair or replacement of equipment on poles (e.g., crossarms, transformers), and installation of protective devices (e.g., fast acting fuses).[282] In addition, SCE has implemented operational practices including enhanced inspections, vegetation management, and fire climate zone operating restrictions[283] in high fire risk areas. Certain protective measures such as fast curve settings and fire climate zone operating restrictions are applied to a majority of high fire risk circuits and are typically in effect for the duration of the fire season; other activities such as covered conductor are permanent and in place year-round.

SCE's PSPS wind speed thresholds are higher for circuits or isolatable circuit segments that are fully hardened with covered conductor, thereby potentially limiting the frequency, duration and number of customers affected by PSPS during fire weather events. However, during severe conditions, there is heightened risk of ignitions at higher windspeeds primarily due to the possibility of infrastructure damage which can cause wind-driven foreign objects or airborne vegetation coming into contact with and damaging SCE's equipment. Under these circumstances, the deployment of covered conductor may not sufficiently mitigate wildfire and public safety risk, and PSPS is necessary as a last resort mitigation measure to prevent ignitions that may lead to significant wildfires.

Leading up to and during a PSPS event, SCE utilizes real-time weather station data and, if available, information from SCE field observers on the ground for enhanced situational awareness to forecast and monitor prevailing environmental conditions (e.g., wind gusts) that can lead to potential damage to equipment or the potential for airborne vegetation or flying debris to contact and damage equipment, to inform de-energization decisions. For circuits that are in scope, SCE also conducts pre-patrols to visually inspect the entire length of each circuit or circuit segment to find any imminent hazards or equipment vulnerabilities that require immediate remediation and to provide additional intelligence on field conditions. If concerns are discovered on a circuit in scope, they are addressed before the impending wind event, if possible.

[282] Fast curve settings reduce fault energy release by increasing the speed with which a protective relay reacts to most fault currents. Fast curve settings can reduce heating, arcing, and sparking for many faults compared to conventional protection equipment settings. Please see Sections 8.1.2.8.2 and 8.3.3.1.2.4 Protective Relays—Fast Curves for more details on fast curve settings technology.

[283] SCE's System Operating Bulletin No. 322 includes provisions for enabling fast curve settings on distribution reclosers and circuit breakers, recloser blocking, line patrols and requirements for personnel to be physically present when operating air-break switching devices.

SCE makes every effort to limit the scope, duration and impacts of PSPS for as many customers as possible. This includes adjusting wind speed thresholds higher for circuits or segments that have covered conductor installed and leveraging sectionalization equipment to switch some customers to adjacent circuits not impacted by PSPS or otherwise remove them from scope.

SCE's PSPS decisions are based on quantitative analyses while accounting for qualitative factors such as the impacts to emergency services. SCE uses preset thresholds for dangerous wind conditions that create increased fire potential (including wind speeds, humidity, fuel moisture levels and other factors as the basis for PSPS decision-making, as described in SCE's technical paper[284]). These thresholds are set individually for each of the circuits in SCE's HFRA.

All circuits have an activation threshold, defined by the FPI and the wind speed at which they are considered at risk. Activation thresholds are computed for each circuit.

FPI is based on weather and fuel (e.g., vegetation) conditions which include sustained wind speed, dew point depression (dryness of the air), the state of green-up or curing of the annual grasses, live fuel moisture, and dead fuel moisture. The FPI also considers fuel loading, which is the amount of vegetation on the ground. Please see Section 8.3.6 where FPI is covered in detail.

For each PSPS event, every circuit also has a de-energization threshold. De-energization thresholds are determined separately for each circuit to prioritize circuits for de-energization based on the specific risks of the event. This is particularly important for large events where many circuits must be evaluated simultaneously. There are a handful of circuits that have legacy thresholds below the National Weather Service (NWS) advisory level because they have a history of local circuit outages at lower wind speeds.

De-energization thresholds account for circuit health, including any pending maintenance issues or other concerns identified through patrols, and are also informed by a consequence score that estimates the potential impact of an ignition on communities. The higher the score, the greater the risk to a particular location from wildfires. The method for calculating this score is described in detail in Section 6.2.2.2. SCE's process for determining de-energization thresholds is outlined below.

[284] SCE's technical paper titled "Quantitative and Qualitative Factors for PSPS Decision-Making" is available at https://download.newsroom.edison.com/create_memory_file/?f_id=609d61cbb3aed37d0f3d5f6a&content_verified=True.

Figure SCE 9-02 - PSPS Decision Making Flowchart / Diagram

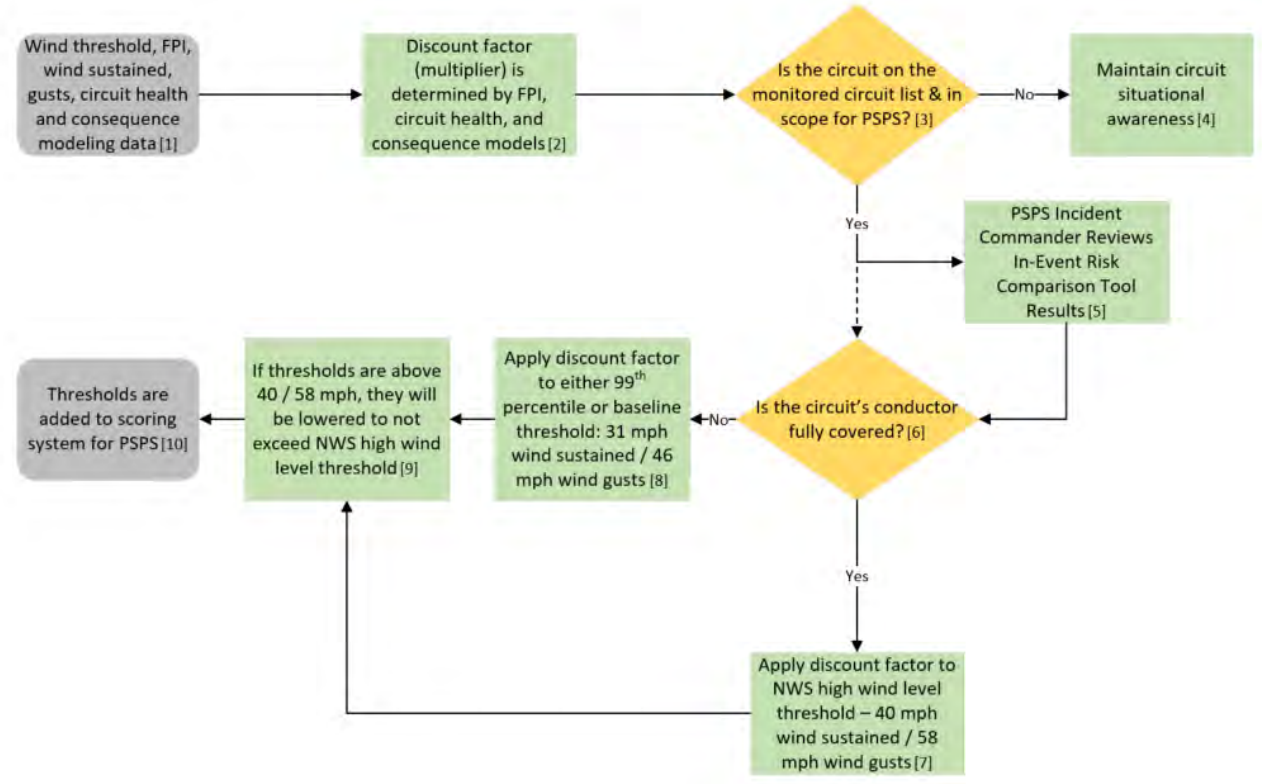


Figure SCE 9-02 shows the PSPS decision-making flowchart. The detailed flowchart steps are outlined below:

- Box 1: Data related to wind threshold, FPI, and circuit health, and consequence modeling data are gathered from various sources.
- Box 2: A discount factor may be applied based on FPI, circuit health, and consequence models to circuits which are considered to be a higher wildfire risk, or in large scale events when many circuits are under consideration for shutoffs. This discount factor will lower the threshold for potential de-energization.
- Box 3: This decision box provides direction based on whether the circuit in question is on the monitored circuit list and in scope for PSPS.
- Box 4: If the circuit is not on the monitored circuit, the IMT maintains situational awareness for increased wind speeds and risk of wildfire.
- Box 5: If the circuit is on the monitored circuit list and in scope, the Incident Commander reviews the in-event risk comparison tool results for the circuit, which compares estimated wildfire risks against potential PSPS impacts. This information helps inform the Incident Commander's decision to de-energize.
- Box 6: This decision box provides direction based on whether a circuit's conductor is fully covered.

- Box 7: If the circuit's conductor is fully covered, the discount factor (identified in box 2) is applied to the NWS high wind level threshold.
- Box 8: If the circuit's conductor is not fully covered, the discount factor (identified in box 2) is applied to either the 99th percentile or baseline threshold of 31 / 46 mph.
- Box 9: If the discounted thresholds are above the current NWS high wind level threshold of 40 / 58 mph, the thresholds will be lowered to not exceed the NWS high wind level threshold to ensure the NWS high wind level threshold is the upper threshold limit.
- Box 10: The circuit threshold outcome from this process is added to the scoring system for the PSPS event.

If actual conditions suggest more wildfire risk, or in large-scale events when many circuits are under consideration for shutoffs, the de-energization thresholds may be lowered (discounted), meaning power on a circuit will be turned off at lower wind speeds. This step prioritizes the circuits that represent the highest risk to be evaluated for de-energization before circuits at lower risk. Conversely, de-energization thresholds are raised for circuits or isolatable circuit segments that have had covered conductor installed. The de-energization threshold for segments with covered conductor is 40 mph sustained/58 mph gusts, which aligns with the NWS high wind warning level for windspeeds at which infrastructure damage may occur. Once SCE's in-house meteorologists confirm forecasts show an upcoming breach of FPI and circuit-specific wind speed thresholds, SCE activates its PSPS IMT and begins preparations for the upcoming event.

The IMT begins notifications to First Responders, Public Safety Partners, local governments, tribal governments and critical infrastructure providers in the 72-48 hour window from the anticipated start of the period of concern when possible. Notifications to all other customers are initiated 48 hours-24 hours prior to anticipated de-energization when possible. We continue to provide additional notifications as well as notifications of imminent de-energization as information becomes available during the PSPS events.

SCE also takes proactive measures to reduce the likelihood and impact of the pre-emptive de-energization of a transmission line. Since SCE's transmission lines in HFRA can transport large amounts of power to load centers (i.e., distribution networks) and are interconnected with adjacent utilities, transmission line outages have the potential to cause significant impacts to public safety and electric system reliability. To address these factors, SCE implemented PSPS protocols for transmission lines that traverse HFRAs. These operating protocols have been created to gauge the reliability risks associated with the pre-emptive de-energization of transmission lines including analyzing forecasted fire weather conditions, identifying hazardous field conditions, performing reliability risk assessments based on expected grid conditions during a PSPS event, and developing mitigation plans to address such events. Any operating conditions and assessments requiring mitigation plans to reduce potential impacts are communicated and coordinated with the CAISO so that resources and expected actions are performed in advance of a PSPS event.

Additional protocols are designed to prevent re-energizing transmission lines after a fault, when live field monitoring is taking place on a distribution line that is within one mile of a

transmission line. When a transmission line is within the one-mile boundary of a monitored distribution line, the transmission line has operating restrictions placed into effect to prevent an automated or manual re-energization if the transmission line was to relay. If the transmission line relayed, it would require a patrol of the HFRA to ensure the line is safe, prior to being re-energized.

- *Method used to compare and evaluate the relative consequences of PSPS and wildfires.*

Twenty-four hours before the onset of the period of concern, SCE assesses and compares potential public safety risks associated with proactive de-energization (PSPS risk) and simulated wildfire risk (PSPS benefit in avoiding a wildfire) for all circuits in scope, using its PSPS In-Event Risk Comparison Tool (Tool).[285] Inputs into this tool include in-event weather, wildfire simulation models, as well as circuit-specific data. The results of the analysis are displayed in the Central Data Platform (CDP) shown below, Figure SCE 9-03 and are used by SCE Incident Commanders to inform de-energization decisions, in conjunction with other quantitative and qualitative factors as described above. Incident commanders consider the output of the Tool to assess the risk versus the benefit of de-energization on a circuit-by-circuit basis. CDP is discussed in further detail in Section 8.3.3.5.2.

Figure SCE 9-03 - View of In-Event Risk Comparison Tool in CDP

Circuit	MCL / WL	All Customers	Population	AFN NRCI Multiplier	Firecast Acres	Firecast Buildings	Firecast Population	Psps Risk	Wildfire Risk	FireCast Output (100%)
ROTEC	MCL	1742	5226	1.04	154.86	5	8	0.00036	0.00082	2.26
SONOMA	MCL	1778	5334	1.19	306.54	46	66	0.00037	0.00485	12.95

[285] Pursuant to Ordering Paragraph 2 of the Order Instituting Investigation on the Commission's Own Motion on the Late 2019 Public Safety Power Shutoff Events decision issued in June 2021 (D.21-06-014, OP 2, p. 284), SCE developed its In-Event Risk Comparison Tool. This tool was used starting with the PSPS event in September 2021 and is detailed in each of SCE's subsequent post-event reports.

The comparative PSPS and wildfire risk estimates are based on the following circuit-specific criteria and information:

1. PSPS Risk: Customers served, estimated population, and the relative ranking of the circuits in scope by the percentage of Access and Functional Needs (AFN) and Non-Residential Critical Infrastructure (NRCI) customers.

2. Wildfire Risk: Wildfire simulations (using Technosylva FireCast[286] modeling) for potential ignitions based on dynamic, in-event weather and wind conditions in proximity to the circuits in scope for de-energization. These conditions are used to determine the extent of an estimated fire footprint (or fire shed). The risk of a wildfire is calculated based on the number of structures, population, and acres potentially threatened within the simulated fire shed. This information is used to calculate potential Safety, Financial, and Reliability impacts (or attributes) of: (1) a wildfire and (2) a proactive de-energization event, as summarized in the table below:

Table SCE 9-01 - Wildfire and PSPS Consequences

Risk Attribute	Wildfire Consequences	PSPS Consequences
Safety	SCE calculates the estimated number of fatalities and serious injuries based on a forecast of impacted population within the Technosylva wildfire consequence simulation. This number, in turn, is converted into the Safety index.	SCE leverages epidemiological studies and information drawn from past widespread power outage events including the 2003 Northeast Blackout, the 2011 Southwest Blackout, and the IOUs' 2019 PSPS post-event reports.[287] The resulting estimates of fatalities and serious injuries per customer minutes interrupted (CMI) are intended to approximate potential safety consequences due to the power outage, such as illnesses resulting from food spoilage or exacerbation of existing underlying health conditions. SCE enhanced the PSPS safety attribute through the application of a circuit-specific AFN/NRCI multiplier. This multiplier represents the relative ranking of each circuit based on the number of AFN and NRCI customers on the circuit.
Reliability	SCE assumes 24 hours without power per customer on each circuit in scope due to wildfire. This duration was used to maintain consistency with Technosylva fire propagation simulation, as well as the PSPS impact duration.	SCE estimates the total CMI due to proactive de-energization on a circuit. It is the product of the number of customers on a circuit and the total number of minutes of estimated interruption. SCE assumes 1,440 CMI per customer (24 hours x 60 minutes) to represent de-energization over a 24-hour period.

[286] Technosylva is a suite of wildfire simulation models or tools. While relying on a similar underlying fire propagation engine, each model is designed to support a unique use case. FireCast is specifically designed to forecast ignition risk associated with electric utility assets over a 3-day horizon based on expected short-term weather conditions.

[287] *See, e.g.,* Anderson, G.B., Bell, M.B (2012). Lights Out: Impact of the August 2003 Power Outage on Mortality in New York, NY, *Epidemiology* 23(2) 189-193. doi: 10.1097/EDE.0b013e318245c61c.

Risk Attribute	Wildfire Consequences	PSPS Consequences
Financial	SCE calculates the financial impact of wildfire by assigning a dollar value to the buildings and acres within the fire shed potentially threatened by wildfire. For buildings, SCE uses a system average replacement value assumption. For acres, SCE uses assumed costs of suppression and restoration.[288]	SCE conservatively assumes $250[289] per customer, per de-energization event to quantify potential financial losses for the purpose of comparing PSPS risk to wildfire risk. The figure represents potential customer losses, such as lost revenue/income, food spoilage, cost of alternative accommodations, and equipment/property damage. This value is based on a Value of Lost Load (VoLL), which is a widely accepted industry methodology to estimate a customer's willingness to accept compensation for service interruption. VoLL is dependent on many factors, including the type of customer, the duration of the outage, the time of year, the number of interruptions a customer has experienced. SCE's VoLL estimate is consistent with academic and internal studies to estimate VoLL for a single-family residential customer for a 24-hour period.

SCE quantifies the resulting PSPS risks and wildfire risks using natural unit consequences for each risk type or attribute—structures impacted, acres burned, customer minutes interrupted, serious injuries and fatalities, etc. "Safety" risk is expressed as an index, "Reliability" risk is measured in terms of CMI, and "Financial" risk is measured in dollar amounts.

SCE then applies a MARS framework to convert these natural unit consequences to unitless risk scores—one score for PSPS risks and one score for wildfire risks.[290] These risk scores are compared to each other by dividing the wildfire risk score (i.e., the potential benefit of PSPS) by the PSPS risk score (i.e., the potential public harm of PSPS), yielding a benefit/risk ratio for each circuit in scope of the PSPS event. If the resulting ratio is equal to 1, the risks are equivalent. If the ratio is greater than one, the wildfire risk exceeds the PSPS risk (the higher the resulting number, the more the wildfire risk outweighs the PSPS risk). If the ratio is less than 1, the PSPS risk outweighs the wildfire risk.

[288] Suppression costs are based on a five-year average of California's reported wildfire suppression costs from 2016-2020. Restoration costs are assumed to be $1,227/acre based on research papers published by the Bureau of Land Management.

[289] SCE utilizes $250 per customer, per de-energization event to approximate potential financial losses on average, recognizing that some customers may experience no financial impact, while other customers' losses may exceed $250. The $250 value is a conservative assumption used for the limited purpose of estimating the potential financial consequences of PSPS as one of many inputs into SCE's PSPS In-Event Risk Comparison Tool. It is not an acknowledgment that any given customer has or will incur losses in this amount, and SCE reserves the right to argue otherwise in litigation and other claim resolution contexts, as well as in CPUC regulatory proceedings.

[290] MARS is SCE's version of MAVF and is further described in Section 6.1.1.

- *Outline of the strategic decision-making process for initiating a PSPS (e.g., a decision tree). Where the electrical corporation provides this information in another section of the WMP, it must provide a cross-reference here rather than duplicating responses.*

SCE considers PSPS when weather and fire experts forecast dangerous conditions including strong winds, very dry vegetation and low humidity. Combined, these create the risk that flying debris or other damage to wires and equipment could cause a fire with the potential to spread rapidly. SCE's strategic decision-making process for initiating a PSPS de-energization event is described below.

At up to 72 hours before a forecast potential PSPS event (event), SCE meteorologists and fire scientists continue to review weather conditions, using both internal and external weather models and National Weather Service forecasts, alerts, and warnings. The PSPS Incident Management Team (IMT) is activated and develops a list of circuits that could potentially be impacted by a PSPS event based on the forecast and predictive modeling. If the weather report is inconclusive, SCE will wait for additional weather reports or field assessments before notifying customers. SCE confers with the National Geographic Area Coordination Center (GACC) about fire danger risks. Additionally, the PSPS IMT reviews options for supplying customers with power from alternate circuits to keep them energized.

Field crews are deployed in advance of the potential event to look for factors that could increase the risk of fire such as damage or other hazards to poles and wires. SCE also deploys live field observers (LFOs),[291] who provide critical situational awareness during the event to inform PSPS decision-making. These observers can identify flying debris, and other hazardous conditions that may be present at the impacted area. SCE also uses drones, when feasible, to provide aerial patrols of overhead lines associated with PSPS events and supplement traditional patrol methods—via truck, foot, and/or helicopter—to help identify ignition risks such as vegetation contacting lines before fire weather conditions materialize (pre-patrol).

At 48 hours before an event, the IMT looks at the daily weather report to see if the weather pattern has shifted. As the forecast becomes more precise, the IMT will update the list of circuits that might be impacted. If the weather pattern has weakened or shifted outside of high fire risk areas, the IMT will cancel the PSPS event.

At 24 hours before an event, the IMT looks at the twice-daily weather report to see if the weather pattern has shifted and updates the list of circuits that might be impacted. Additionally, the In-Event Risk Comparison Tool is run once to compare the risk of de-energization against the risk of wildfire. The Firecast does not come into play if the established FPI (discussed in section 9.2.1) does not warrant de-energization.

At 3-6 hours before winds are forecasted to breach PSPS thresholds, the IMT monitors field weather stations. A team, including experts in grid operations, meteorology and fire science, advise the Incident Commander, who will make the final decisions to shut off power. The team has access to more than 1,620 SCE weather stations to monitor changing conditions. As the winds increase, field crews provide mobile weather reports from hand-held weather and wind-speed meters and report flying debris or other hazards.

[291] Please see Section 8.3.2.1.4 for additional details on LFOs.

During the period of concern, weather station readings are routinely updated for each circuit. This near real-time information allows meteorologists to identify weather trends that could affect decisions. Based on these in-event weather readings and field observations, the Operations Section Chief recommends shutting off power to a circuit or segment when wind speeds are about to hit or exceed their pre-determined threshold for unsafe conditions, or field crews advise of an urgent hazard in the field. This recommendation is made to the incident commander, who reviews the recommendation and asks follow-up questions, if necessary, before approving the decision to de-energize.

After concerning weather conditions have abated, SCE dispatches crews to patrol all circuits that have been de-energized for PSPS to check for damage to equipment or lines and that it is safe to restore power. Drones may also be used to survey overhead lines. For multiday events, with gaps of even a few hours, field crews will attempt to restore customers before the second period of concern begins. If there is no damage to the lines, electricity will be restored to all customers when safe to do so.

SCE also describes its decision-making process in a decision-making fact sheet, in SCE's technical paper titled "Quantitative and Qualitative Factors for PSPS Decision-Making," and in its PSPS decision-making video, which are all available at https://energized.edison.com/psps-decision-making.

- *Protocols for mitigating the public safety impacts of PSPS, including impacts on first responders, health care facilities, operators of telecommunications infrastructure, and water electrical corporations/agencies.*

SCE offers assistance to Critical Facility and Infrastructure (CFI) customers who may require additional assistance and advanced planning to ensure resiliency and continuity during de-energization events. SCE conducts various outreach activities throughout the year.

SCE also works collaboratively with local governments, first responders and essential service providers to provide awareness of PSPS and to educate them on the importance of developing a resiliency plan that addresses backup power needs for facilities that provide critical life and safety functions. Many of these customers are required by law or industry standards to have backup generation in place to sustain critical operations in the event of a power outage, regardless of outage type. Other customers that are not required to have backup generation are still encouraged to consider adding this capability if they feel they have critical needs that must continue in a power outage.

In 2022, SCE conducted workshops for water agencies, communications sector, food banks, healthcare sector, school districts, chemical, sub-transmission level customers, and primary-metered customers. In these workshops, the importance of having a resiliency plan, potentially including backup generation, was discussed in preparation of the wildfire season. If essential service providers do not have the ability to sustain critical life and safety operations during an extended power outage, SCE will consider requests to provide temporary portable backup generation on a case-by-case basis. SCE typically coordinates these requests with its county emergency management agency partners to identify and prioritize backup generation needs requested by the county. Please see Section 8.5 for additional details on community engagement and outreach.

SCE fosters strong relationships with Public Safety Partners at the local and State levels to effectively coordinate and manage emergency events, including PSPS events. Section 8.4.1 discusses near and long-term objectives for emergency planning and preparedness. To continue to strengthen these relationships, SCE is working to improve engagement, help ensure timely and accurate data sharing, proactively and quickly address issues, and simplify information shared with local and State Emergency Management, first responders and Public Safety Partn

ers during PSPS events. SCE also performs surveys and in-person (or virtual) after-action reviews after PSPS events and shares the results of these surveys with partners and the CPUC to measure improvement.

In addition, a key tool used to foster this coordination and emergency event management is SCE's Public Safety Partner Portal, which was launched in June 2021 to improve situational awareness during PSPS events for first responders and operators of critical facilities and communications systems. It features near real-time PSPS information not publicly available on sce.com. Data on the Portal is also fed through SCE's PSPS representational state transfer (REST) service. Subject to appropriate confidentiality measures, expanded information is provided to enable better coordination of event response between SCE and Public Safety Partners. To gain access to the Portal, partners register, review a user agreement, and set up multi-factor authentication. The Portal is a single destination to find information regarding PSPS planning (pre-event) and active PSPS events, and to access to an archive of post-PSPS event data. SCE conducted a benchmarking review with SDG&E and PG&E concerning their experiences with a similar portal and leveraged this review to develop SCE's Portal.

Subscribers can access the following information on the Public Safety Partner Portal:

- Planning Information (Pre-Event): information for planning purposes when there is no active PSPS event. The information available will include:
    - PSPS planning interactive map (GIS layers, KMZ, Shapefile, File Geodatabase, GeoJSON), which includes outage areas and impacted circuits
    - Planning files for Outage areas and impacted circuits in various downloadable formats and API to allow integration with third-party systems.
    - Planning Reports in tabular format including summary of potentially impacted customers, Critical facilities and identified MBL and critical care customer counts.
- Circuit to zip code mapping files.
- Critical Facility and infrastructure (CFI) customers can view their own contact information.
- Event Information: active PSPS event information and certain archived PSPS event information. The information available will include:
    - PSPS event interactive map, which includes outage areas, impacted circuits, and locations of Community Resource Centers and Community Crew Vehicles.

    - Event-specific files, which includes outage areas and impacted circuits in various downloadable formats and API to allow integration with third-party systems.
    - Event-specific reports including summary of impacted customers, Critical facilities and identified MBL and critical care customer counts.
- Also available in various downloadable formats and API on the Portal are the following:
    - Reports including situational awareness and data.
    - Archive of certain information from past events.

SCE continues to assess additional functionalities for the Public Safety Partner Portal, including those suggested by partners. Updated functionality is communicated to partners through office hour meetings and direct briefings. For example, SCE has recently added transmission line layers to the Portal mapping tool based on feedback received from partners. SCE continues to solicit feedback in multiple forums, including benchmarking with other utilities, and seeks to continue to enhance the Portal for its Public Safety Partner community.

9.3 Communication Strategy for PSPS

In Section 8.4.4 of the WMP, the electrical corporation must discuss all public communication strategies for wildfires, outages due to wildfires and PSPS, and service restoration. Thus, in this section, the electrical corporation is only required to provide a cross-reference to Section 8.4.4 and any other section of the WMP providing details of the emergency public communication strategy for PSPS implementation.

Section 8.4.5 describes SCE's emergency public communication strategy for PSPS.

9.4 Key Personnel, Qualifications, and Training for PSPS

In Section 8.4.2.2 of the WMP, the electrical corporation must discuss all key personnel planning, qualifications, and training for wildfires, outages due to wildfires, and PSPS, and service restoration. Thus, in this section, the electrical corporation is only required to provide a cross-reference to Section 8.4.2.2 and any other section of the WMP providing details of key personnel, qualifications, and training for PSPS implementation.

Section 8.4.2.2 describes SCE's key personnel planning, qualifications, and training for wildfires, outages due to wildfires, and PSPS, and service restoration.

9.5 Planning and Allocation of Resources for Service Restoration due to PSPS

In Section 8.4.5.2 of the WMP, the electrical corporation must address planning of appropriate resources (e.g., equipment, specialized workers) and allocation of those resources to assure the safety of the public during service restoration. Thus, in this section, the electrical corporation is only required

to provide a cross-reference to Section 8.4.5.2 and any other section of the WMP providing details of *resource planning for PSPS implementation.*

Section 8.4.6.2 describes SCE's planning of appropriate resources and allocation of those resources to assure the safety of the public during service restoration.

10 LESSONS LEARNED

An electrical corporation must use lessons learned to drive continuous improvement in its WMP. Electrical corporations must include lessons learned due to ongoing monitoring and evaluation initiatives, collaboration with other electrical corporations and industry experts, and feedback from Energy Safety and other regulators.

The electrical corporation must provide a summary of new lessons learned since its most recent WMP submission, and any ongoing improvements to address existing lessons learned. This must include a brief narrative describing the new key lessons learned and a status update on any ongoing improvements due to existing lessons learned. The narrative should be limited to two pages.

SCE provides detail, status updates, and implementation plans for various existing and new lessons learned in Table 10-01 below. In Table SCE 4-01 of its 2022 WMP, SCE identified several lessons learned across WMP categories that were in flight. SCE summarizes a few of these lessons learned as well as progress made in advancing them below.

Resource Allocation – Risk Spend Efficiency: SCE had endeavored to create additional RSEs for activities to help inform our decision-making process. SCE has continued this effort since its 2022 WMP by advancing the development of RSEs for its WMP initiatives and emerging technologies. For example, SCE developed additional RSEs for emerging technologies since our last WMP. Additional information can be found in Appendix D under the 'SCE-22-23 RSE Estimates of Emerging Initiatives' section. In addition, SCE engages an independent third-party to evaluate our RSE development process and calculations. Further information can be found in Appendix D under the 'SCE-22-23 Third Party Confirmation of RSE Estimates' section.

Risk Assessment and Mapping: In 2021-2022, SCE developed a new framework to identify locations in which the wildfire risk is not fully captured by ignition simulations alone. SCE has finalized this framework in 2022, which SCE refers to as the Integrated Wildfire Mitigation Strategy Risk Framework (IWMS Risk Framework or IWMS) in this 2023 WMP. The strategy entails identifying risk tranches within SCE's HFRA based on consequence to customers and communities in the event of an ignition. The highest risk locations, categorized as Severe Risk Areas, considers risk factors such as egress route constraints, historical fire frequency, ignitions with potential to develop into large fires, as well as locations likely to exceed PSPS thresholds even with covered conductor installed. While SCE initially used this framework to prioritize and scope grid hardening work, we have since expanded its application into Vegetation Management and Asset Inspections & Remediations areas in this WMP. SCE describes these efforts in Section 5 and 6, as well as in the relevant areas of Section 8.

Grid Design and System Hardening: In 2021, 30% of CPUC-reportable ignitions involved secondary conductors across SCE's service territory, with 25% of these ignitions occurring within HFRA. To mitigate these high-risk secondary conductor locations, SCE added questions to the inspection survey during the 3rd quarter of 2021 as well as provided additional training not only on the form but on the specific issues to look for during the inspection, such as damaged secondaries. Additional information can be found in Appendix D under "SCE-22-17 Address Secondary Conductor Issues."

Asset Management and Inspections: To reduce customer and environmental impacts, improve notification identification and safety as well as overall efficiency, SCE piloted a new approach to perform ground and aerial inspections at the same time (aka "360 inspections") for overhead distribution (33 kV and below) in HFRA instead of performing them separately. SCE rolled out this pilot for distribution inspections during Q2 2022. Based on the results of this pilot, in 2023, SCE is expanding this approach for its HFRA distribution detailed inspections. Additional information can be found within Section 8.1.3.1 for Asset Inspections.

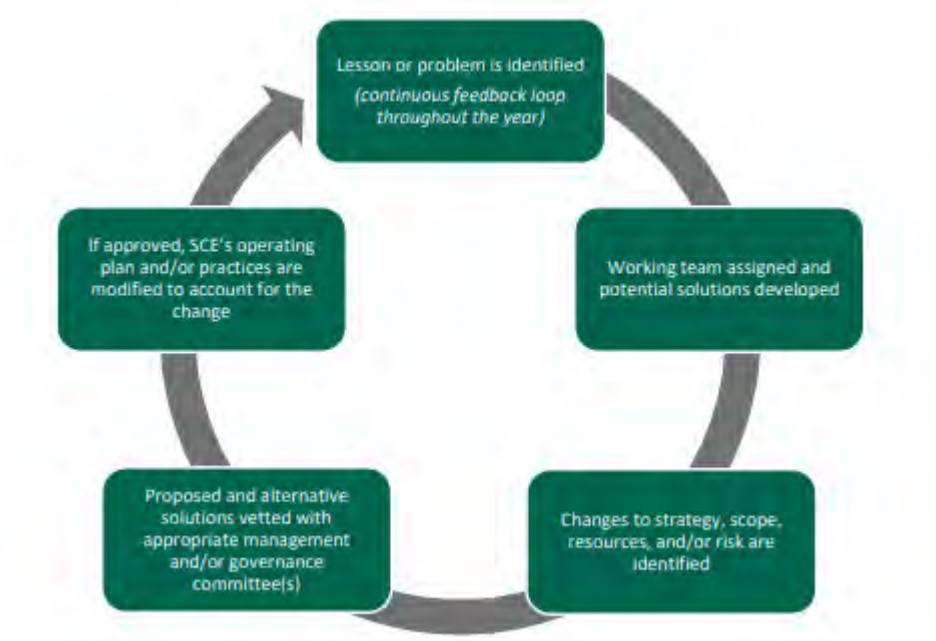
Stakeholder Cooperation and Community Engagement: In 2021 and 2022, the quick reaction force (QRF) of aerial resources was effective at suppressing fire activity based on performance reports and feedback from local fire agencies. The partnership with local fire agencies, which began in 2019, funds up to four aerial firefighting helicopters, support personnel as well as equipment to bolster firefighting capabilities. These resources are capable of being rapidly deployed in SCE's service area and have proven to be extremely effective during an extended attack phase, reducing the area burned and number of structures damaged or destroyed. In 2023, SCE has entered into an agreement to fund aerial suppression resources for the entire year, instead of over a 5-6-month period as in years past. This will allow these resources to be available during what has become a year-round fire season. Additional information on this can be found within Section 8.4.3.3.1 for Emergency Preparedness.

The electrical corporation must also provide a summary of how it continuously monitors and evaluates its wildfire mitigation efforts to identify lessons learned. This must include various policies, programs, and procedures for incorporating feedback to make improvements.

SCE's wildfire mitigation efforts have continued to grow and advance to mitigate the threat of wildfires in HFRA. SCE continuously evaluates its wildfire mitigation initiatives based on execution experience, internal analysis, stakeholder feedback, benchmarking, customer surveys and post-event PSPS reports. This evaluation process includes monitoring the implementation of WMP initiatives along with the effectiveness of those WMP initiatives. SCE also provides detail on its Corrective Action Program within Section 11 which includes discussion on how we investigate, learn from, and develop mitigations for risk events.

At a high level, SCE, as applicable, leverages a lesson learned process as depicted in Figure SCE 10-01 below.

Figure SCE 10-01 - Lessons Learned Process



Lessons learned can be divided into the three main categories: (1) internal monitoring and evaluation, (2) external collaboration with other electrical corporations, and (3) feedback from Energy Safety or other authoritative bodies. The following are examples of specific potential sources of lessons learned:

- *Internal monitoring and evaluation initiatives:*
    - *Tracking of risk events*
    - *Findings from root cause analyses and after-action reviews*
    - *Drills and exercises*
    - *Feedback from community engagement*
    - *PSPS events*
- *Feedback from Energy Safety or other authoritative bodies:*
    - *Areas for continued improvement identified by Energy Safety in the previous WMP evaluation period*
    - *Findings from wildfire investigations*
    - *Findings from Energy Safety Compliance Division assessments*
    - *Collaborations with other electrical corporations*

In addition to the above potential sources of lessons learned, the electric corporation must detail lessons learned from any and each catastrophic wildfire ignited by its facilities or equipment in the past 20 years,

as listed in Section 5.3.2. The electric corporation must also detail specific mitigation measures implemented as a result of these lessons learned and demonstrate how the mitigation measures are being integrated into the electric corporation's wildfire mitigation strategy.

Please see Section 5.3.2 where SCE addresses this prompt.

For each lesson learned, the electrical corporation must identify the following in Table 10-1:

- *Year the lesson learned was identified*
- *Subject of the lesson learned*
- *Specific type or source of lesson learned (as identified in the bullet lists above)*
- *Brief description of the lesson learned that informed improvement to the WMP*
- *Brief description of the proposed improvement to the WMP and which initiative(s) or activity(s) the electrical corporation intends to add or modify*
- *Estimated timeline for implementing the proposed improvement*
- *Reference to the documentation that describes and substantiates the need for improvement including:*
    - *Where relevant, a hyperlinked section and page number in the appendix of the WMP*
    - *Where relevant, the title of the report, date of report, and link to the electrical corporation web page where the report can be downloaded*
    - *If any lessons learned were derived from quantifiable data, visual/graphical representations of these lessons learned in the supporting documentation*

Table 10-1 provides an example of the minimum acceptable level of information.

Table 10-1 - Lessons Learned

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
1	2022	Tracking of risk events	Finding from current tracking method for the Fire Investigation team	There is a need for better capture of event information including reviewing more events to identify fire incidents.	• Evaluation of all repair order data to identify potential ignitions in our system. Maintenance Performance/Failure Report (MPFR) form to have information coming in from field personnel who have eyes on the events taking place.	• Repair Order Review implemented and being evaluated by Q1 2023	See WMP Ch 11, pages 650-652 (i.e. SCE's FIPA process)
2	2022	Root cause analysis	Findings from fire root cause analysis are discussed and evaluated with Asset Performance	Process to identify trends/upcoming concerns and translate to mitigation strategies can be improved to streamline identification.	• Dashboards and committee meeting setup to identify and present upcoming issues that can be converted to a detailed view into potential mitigations.	• Committee for review of identified trends/analysis setup and begin projects 12/2023.	See WMP Ch 11, pages 650-652 (i.e. SCE's FIPA process)
3	2019	Internal monitoring and evaluating initiatives	Drills and exercises	SCE continues to mature its training and exercises based on lessons learned from after action reports from exercises and real-world incidents.	• SCE's training and exercise program continually updates and improves training and exercises to incorporate changes to procedures and tools used for activations. • SCE will conduct a PSPS Full-Scale Exercise in 2023, increasing complexity from the 2022 Functional Exercise.	• All PSPS Readiness Exercises must be conducted by July 1 annually.	2023 WMP Section 8.4.2.2 (Emergency Responder Training)

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
4	2022	Internal monitoring and evaluating initiatives	After-action reviews	After action reports are conducted after all PSPS exercises and real-world events to evaluate lessons learned and areas of improvement. These are then translated into formal corrective actions that are tracked and monitored through completion.	**Notifications:** • SCE is in the process of auto-enrolling all customers that live in the High Fire Risk Areas but are not currently enrolled to ensure they receive PSPS alerts. • In December 2022, discontinued the customer opt-out feature for PSPS alerts and begin auto-enrolling customers during account sign-up. • Initiate enhanced outreach to the customers that previously opted out to confirm their contact information and enroll them in PSPS notifications. • Evaluate process for sending imminent restoration notifications to identify possible opportunities to reduce end-to-end processing time. • Evaluate process for sending cancellation notices to customers on circuit segments removed from scope to reduce end-to-end processing time in situations where segment-level (and sub-segment level) decision making is necessary to minimize customer impacts. **Technology**: • SCE will continue refining its PSPS event management capabilities to improve timeliness and accuracy of notifications.	• After Action reports are produced after the completion of IMT activations and exercises. PSPS Post Event reports incorporate lessons learned and are available in the docket of R.18-12-005, posted on SCE's website and distributed to impacted public safety partners.	After Action Reports and PSPS Post Event Reports

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
5	2022	Internal monitoring and evaluating initiatives	Feedback from community engagement	Received recommendation to expand marketing and promotion of meetings. Refine messages and channels based on 2022 performance data	• Expand outreach to additional social media platforms. • Continue to develop ads with relevant messages.	• Ongoing	Based on SCE's internal assessment, not a specific report per se.
6	2022	Internal monitoring and evaluating initiatives	Performance of mitigation initiatives: Customer Care Programs	In 2022, the WMP compliance targets for the Customer Service activities (namely PSPS-2.A: Critical Care Battery Back-Up Enrollments and PSPS-2.B: Customer Care Portable Power Station & Generator Rebates) were set based on 2021 historical program performance and assumed 2022 would have more PSPS events and customers de-energized. With fewer PSPS events in 2022, and even fewer customers de-energized, the need for customer resiliency products greatly diminished.	• Given this shift, the compliance targets for future years will pivot focus from an enrollment / rebate target which is heavily dependent on a customer's need for resiliency products and will instead focus on timely issuance of batteries / rebates.	• 2023	See 2023 targets for activities PSPS-2 and PSPS-3 in Table 8-35.
7	2020	Collaboration withother electrical corporations	Risk modeling working group	Wildfire risk models can be improved to establish standard weather and vegetative coverage scenarios, as well as extreme-event conditions,	• Continue ongoing engagement in wildfire risk modeling working group.	• Ongoing	Weblink to wildfire risk modeling working group and summary report

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
				for design purposes and long-term contingency planning.			
8	2022	Collaboration with other electrical corporations	International Wildfire Risk Management Consortium (IWRMC)	Hazard tree definition, assessment, risk analysis, and mitigation techniques, in addition to regulatory controls and budget treatment, all vary widely across member utilities	• SCE will serve as the lead utility of the joint Hazard/Strike Tree Benchmarking and Best Practices Study to be conducted in 2023. Lessons learned and best practices are anticipated to influence future activities and/or programs related to hazard tree mitigation and will be included, as applicable, in future WMP submittals.	• Draft report by 12/2023 • Final report by 2/2024	This lesson learned is not documented in a specific report; it arose from verbal discussions within the working group.
9	2022	Collaboration with other electrical corporations	SCE regularly collaborates with the other California utilities on covered conductor, new technologies, and enhanced vegetation management practices	Please see the IOU working groups reports in Appendix F for descriptions of lessons learned.	• As a result of laboratory testing of covered conductor, SCE has increased its estimated effectiveness of covered conductor from approximately 67% to 72%. SCE will be further collaborating with the joint utilities in 2023 and conducting workshops on further assessing the covered conductor testing results, M&I practices, new technologies and other items. The results of these workshops could lead to improved practices.	• SCE has implemented the change in estimated effectiveness of covered conductor in its risk-based decision making.	See the Joint IOU CC Working Group Report in Appendix F for further details
10	2021	San Jose State University's (SJSU) Wind Profiler Project	Wind profiling pilot project using LiDAR technology	Desire to continue evaluation of ability to use LiDAR to accurately predict surface-level winds during PSPS events.	• SCE will continue the pilot project through the 2023 fire season to make a final determination on if this effort will add value to the de-energization decision process during PSPS events.	• Funds are expected to run out in 2023 and thus the project will be completed by 2024	See WMP 8.3.2.3.1 (Remote Sensing)

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
11	2022	SJSU's Wildfire Interdisciplinary Research Center	A membership with SJSU allows for voting privileges to decide what potential projects will be funded.	Projects are underway; lessons yet to be learned.	• University collaboration is ongoing and future research will allow for continuous improvement.	• Ongoing • Next project cycle begins in 2023. • Continued membership though 2025.	See WMP 8.3.2.1.3 (Fire Science Enhancements)
12	2022	University of Colorado Boulder Vegetation Build-Up Index	Development of the vegetation build-up index which will systematically and objectively help determine areas of high fire potential.	An index that identifies elevated areas of vegetation vulnerability to wildfire would support SCE's efforts for mitigation selection and prioritization.	• SCE will continue to work with the University of Colorado, Boulder, to create an algorithm that will use remote sensing observations of vegetation to determine areas of vulnerability on the landscape.	• Ongoing • Algorithm completion by 2024 • Product support through 2025	See WMP 8.3.2.3.1 (Remote Sensing)
13	2022	Cal Poly San Luis Obispo's Wildland Urban Interface Fire Information Research and Education Institute (WUI FIRE Institute)	SCE sponsors this program through a financial commitment of $110k per year.	Projects are underway; lessons yet to be learned.	• University collaboration is ongoing and future research will allow for continuous improvement.	• Ongoing • Continued membership though 2023.	See WMP 8.3.2.1.3 (Fire Science Enhancements)
14	2022	Collaboration with industry trade associations	Industry collaboration and engagement	Share and gain insights on best practices on utility wildfire mitigation and response by engaging with industry trade associations, including but not limited to Electric Utility Consultants, Inc. (EUCI), Western Energy Institute (WEI), Institute of Electrical and Electronics	• Continue to share best practices and engage with industry trade associations and utilities by participating in industry conferences and events.	• Ongoing	There was not a specific report that recommended SCE to perform this activity. It is understood as a best practice generally and an expectation from OEIS.

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
				Engineers (IEEE) and Western Electricity Coordinating Council (WECC)			
15	2022	Collaboration with other electrical corporations	Vegetation Line Clearances Working Group	Increase alignment amongst California electrical corporations related to line clearing data collection practices and record keeping of tree-caused risk events.	• PG&E, SDG&E, and SCE chose a third-party consultant to establish the data collection standards, create the cross-utility database, and study the relationship between enhanced vegetation clearances and tree-caused risk events.	• Contract with third-party evaluator to conclude in 2025	Third-party evaluator will issue a report on its findings and a joint database for all participating utilities.
16	2022	Collaboration with other electrical corporations	Risk Modeling Working Group	Information gathering from utilities and comparing risk modeling methodologies.	• Upcoming 2023 discussions will move to understanding best practices and towards consistency on utility approaches to risk modeling.	• Ongoing	Conducted per OEIS direction. https://efiling.energysafety.ca.gov/Lists/DocketLog.aspx?docketnumber=risk-model-group
17	2022	Collaboration with other electrical corporations	Joint IOU PSPS Working Group	Increase alignment amongst California electrical corporations related to PSPS lessons learned and best practices.	• For example, PG&E, SDG&E and SCE are collaborating to enhance the process for identifying and notifying shared customers[292] during PSPS events.	• Ongoing	In compliance with D. 21-06-014. Joint Working Group Reports are filed in R.18-12-005 and can be found in the docket.
18	2021	Feedback from Frontline Workers	Safety Culture Assessment	Enhance feedback loop and communications with frontline workers and supervisors and leaders.	• Update current safety leader activities to address issues noted by the workforce concerning wildfire communications, roles, and decisions.	• While initial completion is anticipated in Q1 2023, SCE will continue to engage and obtain feedback from the workforce on an ongoing basis.	SCE 2022 Q4 WMP Quarterly Notification Letter

[292] A shared customer is defined as a customer whose electrical distribution circuit is sourced by a utility other than the one billing that customer.

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
19	2022	Feedback from Energy Safety or other authoritative bodies	Independent Third-Party Evaluation	Improvements can be explored for non-exempt equipment replacements on HFRA hardened circuits.	1. Continue working with Cal Fire and the Board of Forestry for unique product testing for exemption status and California Codes and Regulations updates for exemption classifications. 2. Continue tracking opportunities to replace material by bunding with other work. 3. Make improvements to SCE standards for guidance on exempt material use and replacement and evaluate/ improve training for inspectors.	1. Ongoing 2. Ongoing 3. Complete 12/31/22	The need for improvement was communicated to SCE by Filsinger Energy Partners, who were brought in on behalf of the Governor's Office to provide oversight and potential enhancement opportunities for SCE's wildfire mitigation strategies. SCE understands a report was provided to the Governor.
20	2022	Feedback from Energy Safety or other authoritative bodies	Independent Third-Party Evaluation	Restrictive permitting potentially increases wildfire risk because Vegetation Management activities to address wildfire risk occur on lands administered by State and Federal agencies.	1. Continue working with the LA Department of Regional Planning (LADRP) to prioritize and process local coastal permits. Continue ongoing regular communication with LADRP. 2. Improve efficient use of the Forest Service Master Special Use Permit (MSUP) to facilitate SCE's work by increasing external engagement with agency leadership. 3. Continue using Instruction Memorandum with Bureau of Land Management (BLM) to decrease agency permitting time. 4. Continue working on finalizing an Operations and Maintenance Plan with BLM that can be used more broadly within the agency once completed. 5. Increase targeted external engagement with BLM leadership through executive	1. Ongoing 2. Ongoing 3. Complete 4. Pilot Q4 2023	Section 8.2

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
					stakeholder working groups; focus on our activities in or near wilderness areas. 6. Increase external engagement and communication to share priorities, wildfire risk concerns, and mitigation strategies with the California Department of Fish and Wildlife. 7. Increase external engagement with Department of Water Resources (DWR) related to work permitting within their right of way. Engagement is ongoing on a monthly basis and has resulted in a dedicated DWR staff member to prioritize and process SCE encroachment permits and temporary entry permits.	5. Ongoing 6. Ongoing 7. Ongoing	
21	2022	Feedback from Energy Safety or other authoritative bodies	Independent Third-Party Evaluation	A high volume of environmental holds could impede wildfire mitigation work.	1. Explore the adjustment of work management processes in SCE Environmental 2. Pursue incidental take permits for greater operational flexibility in key regions. 3. Apply for a Master Streambed Alteration Agreement (MSAA) for work in jurisdictional waters. 4. Benchmark with other IOUs to ascertain best practices in environmental hold processes.	1. Initial implementation Q1 2023 2. Yosemite Toad and Arroyo Toad complete; Pacific Fisher, San Bernardino Kangaroo Rat, and Santa Catalina Island Fox ongoing 3. Estimated permit approval in 2024 4. Ongoing	See comments in item #19.

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22	2022	Feedback from Energy Safety or other authoritative bodies	Independent Third-Party Evaluation	Clarity of written checklist for long span length and slack inspection work could be improved.	1. Review existing survey questions and responses to ensure alignment with long span requirements, making changes to survey and updating Long Span standards as necessary. 2. Review cancelled long span notifications to ensure remediations are not required.	1. In progress; target completion Q2 2023 2. In progress; target completion Q2 2023	See comments in item #19.
23	2022	Feedback from Energy Safety or other authoritative bodies	Independent Third-Party Evaluation	A significant number of questions on the inspection form address asset inventory rather than ignition/wildfire risk reduction.	1. Evaluate survey questions to identify opportunities to streamline unnecessary questions; implement survey question updates as identified. 2. Explore feasibility of adjusting to a time-based or work-based data capture approach for asset inventory questions. 3. Investigate long term solutions for optimizing inspection survey completion for asset inventory, including potential use of drone pictures and AI/ML to automate survey completion.	1. Q2 2023 2. Q2 2023 3. Q4 2023	See comments in item #19.
24	2022	Feedback from Energy Safety or other authoritative bodies	Independent Third-Party Evaluation	Decision-making criteria for PSPS thresholds could be more transparent in terms of how thresholds are set and updated and how covered conductor and Priority 2 conditions inform and influence thresholds.	• Engage a third-party vendor expert to assess methodology for wind speed threshold development.	• Target completion Q3 2023	See comments in item #19.

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25	2022	Feedback from Energy Safety or other authoritative bodies	Independent Third-Party Evaluation	Improvements can be explored to improve quality assurance and quality control of equipment inspections.	1. Review the inspection questionnaire related to compliance, safety, and reliability. 2. Incorporate data capture conditions into the current QC program to ensure a QC finding is identified whenever a data capture notification is not generated by the inspector. 3. Pilot then implement QC improvements to address exempt/non-exempt equipment status. 4. Identify opportunities to better align QC with evolving risk mitigation strategies.	1. Complete 2. Q2 2023 3. Q2 2023 4. Q1 2023	See comments in item #19.
26	2022	Feedback from Energy Safety or other authoritative bodies	Independent Third-Party Evaluation	Opportunities may exist to integrate and improve vegetation management programs to reduce potential wildfire risk.	1. Continue with SCE plan to integrate the vegetation line clearing, dead and dying tree, and hazard tree management plan vegetation programs. 2. Continue with SCE plan to transition from grid-based vegetation management work to a circuit-based approach. 3. Explore then implement opportunities to improve post-work verification, including documentation updates and process enhancements. 4. Identify opportunities to improve pre-inspection quality in order to reduce tree trimming prescription changes by contractors.	1. Q2 2023 2. Q4 2025 3. Q1 2023 4. Q2 2023	See Section 8.2 for further discussion on these items

ID #	Year of Lesson Learned	Subject	Type or Source of Lesson Learned	Description of Lesson Learned	Proposed WMP Improvement	Timeline for Implementation	Reference
					5. Improve contractor field coordination with SCE Environmental Services to improve efficiency when working in Environmentally Sensitive Areas (ESA). 6. Address timeliness of vegetation constraint resolution by clarifying Priority 1 criteria in HFRA to mitigate emergency conditions and develop plans to reduce non-emergency encroachment work volume. 7. Please see Section 8.2 for further discussion on these items.	5. Issue field guidance and embed field monitors 3/31/23; implement Environmental Field Support Scheduling Model throughout 2023 6. Partially complete with full implementation of new plans 6/30/23	

11 CORRECTIVE ACTION PROGRAM

In this section, the electrical corporation must describe its corrective action program. The electrical corporation must present a summary description of the relevant portions of its existing procedures.

The electrical corporation must report on how it maintains a corrective action program to track formal actions and activities undertaken to:

- *Prevent recurrence of risk events*
- *Address findings from wildfire investigations (both internal and external)*
- *Address findings from Energy Safety's Compliance Assurance Division (i.e., audits and notices of defect and violation)*
- *Address areas for continued improvement identified by Energy Safety as part of the WMP evaluation*

SCE has multiple corrective action programs to identify issues, address findings, and evaluate efforts to prevent recurrence of those issues. These include:

- **Repair Order Review Process**: Evaluates repair orders and considers opportunities to prevent the recurrence of risk events.
- **Fire Investigation Preliminary Analysis (FIPA):** Investigates ignitions, reviews findings from external wildfire investigations, and considers opportunities to improve mitigation strategies
- **Compliance Review of Audits and Notices of Defect and Violation**: Tracks and addresses findings from Energy Safety's Compliance Assurance Division (i.e., audits and notices of defect and violation)
- **Internal Audit Services and Compliance and Quality Departments:** Assesses WMP implementation independent of the responsible operating unit, conducts risk-informed audits of wildfire mitigation programs, and develops QA and QC processes.

SCE details these efforts below. Please see Appendix D: Areas for Continued Improvement for a full discussion for how SCE is addressing the Areas for Continued Improvement identified by Energy Safety as part of its 2022 WMP Decision. Finally, beyond these programs listed above, the crews that implement the mitigation work are trained to execute the work in accordance with established construction methods and standards. If crews identify any issues or opportunities for improvement, they are encouraged to share these as applicable to inform continuous improvement opportunities.

Repair Order Review Process (Prevent recurrence of risk events)

SCE expanded the process for its Fire Investigation team to now review all repair orders as of March of 2022 and to avoid missing those for which the key words were not present.[293] In this review, engineers evaluate the description of the event that occurred by viewing pictures taken by responders and gathering other geographic and equipment related information. If further information needs to be

[293] A repair order is a document written up to initiate repairs on our distribution system.

collected to assess if an ignition took place, the engineers reach out to the responders to get clarification on the event and details pertaining to the ignition. Data collected can be flagged as an ignition event which will feed into SCE's FIPA review process, detailed below, where further information is documented on the ignition. The intent of this review is to promptly obtain information on the event from the field personnel who observed and/or reported it. Prompt discussion with field personnel[294] is necessary to help ensure all the facts and observations are captured. The information obtained through discussions with field personnel as well as the engineering reviews of repair orders is then used to assess wildfire mitigation options, asset management and performance improvement opportunities, and near-miss analysis and proactive remediation.

Fire Investigation Preliminary Analysis (Address findings from wildfire investigations (both internal and external))

In April 2019, SCE launched the FIPA process to perform more in-depth investigations into all ignitions that occur in connection with SCE facilities.[295] The FIPA process has been continuously improving since inception to enhance efficiency of the investigation process related to ignitions and other data pertaining to near-miss events, such as wire downs and underground equipment failures.

SCE currently accounts for risk events in several databases:

- Wire Down Database - Monitors wire-downs based on wire-down calls and repair orders across the entire SCE service area.
- ODRM - Monitors distribution, substation, and transmission unplanned outages that affect a single line transformer or more on SCE's grid.
- FIPA Database - Collects and annually reports information that would be useful in identifying operational and/or environmental trends relevant to fire-related events.

The FIPA process has three levels of investigation, depending on the complexity of the ignitions, including factors such as the potential severity of the situation, the extent of condition, and what is already known of the event. A brief description of the actions taken for each level are listed below:

- Level 1 - May include a review of pictures, telephone interviews, and repair orders.
- Level 2 - In addition to Level 1, may include site visits and fault analysis.
- Level 3 - In addition to Level 2, may include evaluating the equipment/material by a engineer.

As part of the FIPA process, SCE also evaluates existing maintenance notifications as well as other asset and circuit level data associated with the equipment under evaluation such as circuit topology, circuit loading at location, weather, reliability, and operational history. SCE is conducting pilots to expand investigation methods and failure types.

SCE monitors ignition information for its entire service area. Although SCE prioritizes incidents that

[294] Field personnel in this Repair Order process includes Troublemen who respond to incidents or "trouble" on the system. They identify any concerns on our system and write up a Repair Order identifying the issue and equipment that needs to be replaced/repaired.

[295] This is exclusive of attorney-directed investigations into ignitions which potentially involve SCE facilities.

occur in HFRA, SCE also collects information in non-HFRA because there may be common failure modes that occur throughout the service area. SCE can then use this information to target risk mitigations where needed.

SCE has expanded its FIPA team and refined the tools and processes used. In 2022, the FIPA team updated its Repair Order (document written up to initiate repairs on our distribution system) Review Process to analyze all repair order events taking place in our system. This extended review beyond recorded ignition events allows engineers to better capture additional ignition events. In reviewing within a day, if the engineers do not have clear images or information to determine an ignition happened, they reach out to interview the field personnel to get additional insights. In 2022, the FIPA team analyzed roughly 1000 ignition events as well as about 16,000 repair orders.

Through this plan period, SCE will enhance its post failure data collection tools and processes to make data collection more consistent, relevant, and efficient. For 2023, SCE will update its database for storing this information and its processes for root cause analysis. SCE is updating the failure event database to include wire-down, underground equipment failures and ignitions to assist in identifying related failures in a single database. For example, an underground equipment failure may cause an ignition that burns a pole that in turn may result in a wire-down. Currently, these are recorded as three separate events. Under the new structure, all three events will be related and analyzed as a single incident. SCE is also incorporating additional transmission outage data as an improvement to its outage reporting.[296] SCE is working towards aligning pre-failure inspection data with post-failure data which would give a holistic view of overall asset health. We anticipate these dataset alignments to be completed in 2023.

For 2024 and 2025, SCE will continue to make improvements based on lessons learned including modeling of failures and ignitions, utilization of machine learning, and root cause analyses.

SCE documents and analyzes risk event data to gain insights and gather lessons learned to help mitigate risks by reducing or preventing risk events from occurring. Previously, data collection on fault and failure events were captured on multiple forms that did not collect data in a standardized electronic format, resulting in inconsistent data capture and the need for linguistical analysis to capture trend data from free text responses.

SCE has also begun to roll out an electronic form called the Material Performance Failure Report (MPFR) that allows for dynamic data collection from failures of the electric grid. The MPFR addresses two previous issues with respect to ignition data collection and storage, providing a centralized location allowing incoming ignition data to be more efficiently captured and improvements to the robustness of the ignition data for more in-depth analysis and trending.

Compliance Review of Audits and Notices of Defect and Violation (Address findings from Energy Safety's Compliance Assurance Division (i.e., audits and notices of defect and violation))

SCE documents audit findings and notices of defect and violations. SCE reviews and provides a response to any audit finding and enters them in a database for tracking any lessons learned and as needed track and implement corrective actions.

Energy Safety instituted a new process for identifying their field inspection instances of non-compliance.

[296] Historical reporting has been revised to reflect the additional Transmission outage data.

Energy Safety may issue the following notices:

- **Notices of violation (NOVs)** identify instances in which an electrical corporation is non-compliant with its approved WMP or any law, regulation, or guideline within Energy Safety's authority
- **Notices of defect (NODs)** identify deficiencies, errors, or conditions that increase the risk of ignition posed by electrical lines and equipment requiring correction.

This new process also provides the electric corporations the right to request a written hearing if the electrical corporation does not agree with any violation or defect.

SCE reviews all notices of defects and violations to determine whether to correct the noncompliance within the established[297] corrective action timeline or to request a written hearing. SCE tracks all violations and defects until OEIS officially closes them out. For any violation or defect that needs to be corrected, SCE notifies its field crews to correct these within the established timeline. See Section 12 Table 12-1 for a list of open violations or defects.

SCE continues to look for ways to prevent future occurrences of these violations and/or defects. SCE's field inspections (both ground and aerial) are a detective control used to identify items that need to be remediated. Additionally, SCE is performing quality control reviews of completed construction in HFAs using a risk-based approach, which includes increased sampling levels in higher risk areas. The reviews occur for construction in general, but also addresses projects within the scope of the WMP, such as covered conductor. These quality control reviews help drive continuous improvement by identifying non-conformances with SCE standards, determining causes of non-conformance, and/or driving corrective actions to improve performance. If performance falls below certain thresholds, SCE will require corrective actions.

Internal Audit Services and Compliance and Quality Departments: SCE's Audit Services Department (ASD) assesses WMP implementation independent of the responsible operating unit. Audits are determined via a risk assessment informed by SCE's Board of Directors (Board), senior management and regulatory requirements. ASD has conducted risk-informed audits of SCE's system hardening and operations, inspection, maintenance, and vegetation management programs and WMP-related Compliance and Quality (C&Q) processes. These audits are conducted through desktop reviews and, in some instances, field inspections of assets to provide reasonable assurance that mitigations are deployed according to plan, that SCE facilities are appropriately inspected, and that identified conditions are timely remediated according to applicable requirements. ASD documents audit tasks and monitors corrective actions using industry standard auditing software in accordance with the International Standards for the Professional Practice of Internal Auditing.

In addition, the C&Q group develops QC and QA processes to help ensure that mitigation activities are proceeding as planned. C&Q performs testing and assessment of wildfire and non-wildfire activities to measure conformance and drive continuous improvement throughout the organization. Section 8.1.6 provides an overview of its QA/QC activities for asset management and inspections. Section 8.2.5 provides an outline of its QA/QC activities for vegetation management.

[297] See Energy Safety Compliance Process issued October 13, 2021

The electrical corporation must report on how it reviews each improvement area in accordance with its corrective action program. At a minimum, the electrical corporation must:

- ***Identify insufficient occurrence and response****: Identify targeted corrective actions for areas where the event occurrence, response, or feature was insufficient.*

SCE performs an investigation for each ignition on its system, determines if mitigations were in place that did not perform as intended, and identifies opportunities for correcting insufficiencies with mitigations or adopting new practices to prevent further recurrence. These efforts are performed through collaborative process involving SCE's FIPA engineers and asset management organization through a framework that seeks to continuously improve SCE's asset performance.

The FIPA process for individual ignitions was described above. The following steps describe SCE's efforts to use this data to evaluate trends or issues on the system.

- **Documenting Events and Trends**: SCE tracks asset failures, ignition events, wire-downs, and underground equipment failures through material performance failure reports and internal databases. SCE also captures data from its various inspection programs, including findings and responses to inspection survey questions. The data serves as the basis for the evaluation of asset performance and trends.

- **Evaluation of Events and Trends:** SCE evaluates the risk event by reviewing the data captured in the failure reports and databases, perform additional engineering studies, research the occurrence of similar risk events in the past to identify trends and potential systemic issues, evaluate the condition of the associated asset(s) against equipment and manufacturer performance standards, etc. This may also include a review of past inspection and maintenance trends associated with the asset.

- **Consult Stakeholders on Findings and Determine Solution or Mitigation Approach:** The engineering review team consolidates its failure and trend analysis for review and calibration with a broader stakeholder group. This will generally involve reviewing the identified asset performance issue and any associated trends, including failures (e.g., ignitions, wire downs, faults and underground explosions) and inspection findings. Based on this collective understanding, SCE will evaluate mitigation opportunities and develop an engineering solution and/or mitigation strategy to prevent recurrence of the event in the future.

- **Mitigation Deployment and Evaluation:** If necessary, SCE implements a new solution and mitigation strategy, then evaluates its performance post-implementation. This can involve updating SCE standards or equipment specifications, training, deploying proactive infrastructure replacement programs, performing subsequent ad hoc inspections, modifying maintenance & inspection programs, and evaluating the asset performance over time to determine effectiveness of mitigation strategy.

SCE seeks to continuously improve this general process to further refine the evaluation and mitigation of risk events on SCE's system. SCE identifies specific additional actions taken to reduce recurrence of risk events in the section below.

- ***Identify actions to reduce recurrence****: Identify improvement actions (as applicable) to reduce the likelihood of recurrence, improve response/mitigation actions, or improve operational procedures or practices.*

SCE identifies various improvement actions taken to reduce the likelihood of recurrence, improve mitigation actions, and improve operational procedures and practices below. Below, SCE lists several examples of actions taken because of this process.

- Secondaries – SCE's FIPA analysis identified a growing trend in ignitions associated with secondary conductors related to: (1) open, bare, and aged conductor; (2) animal contact with unprotected secondary/service connectors; (3) tree abrasion; (4) overloading due to illegal growth; and (5) secondary overloading given the record level heat waves experienced in 2022. To address issues on secondary conductors related to strain and abrasion, SCE modified its inspection form with new questions to capture information around these issues. SCE is also replacing secondary/service conductor concurrent with replacement of primary covered conductor. In addition, SCE has instituted new work methods governing how field personnel cover secondary/service connectors to prevent animal contact.

- Aerial Inspections – In another example, a small fire (<1 acre) occurred in 2019 associated with SCE equipment, due to degradation occurring at the top of a crossarm. In response to this evaluation, SCE began inspecting transmission and distribution structures both from the ground and aerially, to develop a 360-degree inspection of the structure. This has served as the basis for SCE's asset inspection programs which are detailed in Section 8.1.3

- C-Hooks – SCE's former C-Hooks Replacement initiative (formerly SH-13) was included in SCE's 2021 and 2022 WMP Updates to address the potential for a C-Hook to fail and lead to downed high voltage wire, which could pose wildfire and public safety risks. While SCE had no historical incidents or records of failed C-Hooks in its service area, given the inability to ascertain the hardware condition visually[298] and the lessons learned from the 2018 Camp Fire which was believed to have been started by the failure of a C-Hook, SCE decided to proactively remove all C-Hooks on its system to remove this risk.

- ***Track implementation****: Track the improvement action plan and schedule in the electrical corporation's action tracking system.*

SCE describes the processes used to track the identified improvements for risk events, fire investigations, and notices of violation or defect below.

- Risk events: After SCE performs an analysis of each risk event, it will identify opportunities to address the root cause of that risk event in the form of new work procedures, modifications to equipment used, etc. To the extent these improvement opportunities are identified, the risk event analysis team will work with the requisite asset management, new technology, planning and operational organizations to review, gain approval for, and implement the identified improvement opportunities.

[298] Due to their small size, C-Hooks are also difficult to inspect for degradation, even using aerial inspections, which increases the uncertainty of the probability of failure.

- **Fire investigations**: The fire investigation team reviews repair orders for any sign in description or pictures of an ignition taking place. They reach out to field personnel, review repair order details, and review incident log sheets to identify an ignition. From there, the identified ignition is tracked in a database and a deeper analysis into the cause of the ignition is performed. This includes system studies, equipment characteristics, weather conditions at time of event, etc. This is all captured and tracked for analysis and trending purposes.

- **NOV/NODs:** As noted above, SCE reviews all notices of defects and violations to determine whether to correct the noncompliance within the established corrective action timeline or to request a written hearing. SCE tracks all violations and defects until OEIS officially closes them out. For any violation or defect that needs to be corrected, SCE notifies its field crews to correct these within the established timeline. SCE's evaluation and efforts to address the issue are intended to prevent re-occurrence, and if needed, will update processes or procedures. See Section 12, Table 12-1 for a list of open violations or defects and planned corrective actions.

- ***Improve external communication****: For areas where weaknesses were identified in the response of external agencies, develop a communication plan to share the information and conclusion with the responsible agency. The completion of this action and the agency's response must be documented.*

SCE has established a Standardized Emergency Management System (SEMS), National Incident Management System (NIMS) and Incident Command System (ICS) compliant incident management structure built around Incident Management Teams (IMTs). Using this framework, during PSPS events and other emergencies, SCE engages with its emergency management partners at the county and state level by hosting daily coordination calls with impacted agencies.

In addition, SCE also conducts daily personalized PSPS outreach and engagement calls for both critical infrastructure providers and the AFN community. For the 2023 season, SCE will evaluate its current strategy for conducting multiple daily operational briefings to identify opportunities and to optimize engagement with public safety partners while reducing possible redundancy.

SCE communicates with OEIS on NOVs and NODs regarding issues OEIS has found and how SCE can improve. Furthermore, SCE works with CalFire, the CPUC/and the California Governor's Office of Emergency Services to respond to their findings, feedback, and identify appropriate responses.

In advance of fire season, SCE partners closely with local and tribal governments to identify and secure locations for Community Resource Centers (CRCs) and Community Crew Vehicles (CCVs). Although SCE has preestablished optimal locations for CRC/CCV deployments in most communities, there are still a few areas where preestablished locations have not been determined. In advance of the 2023 fire season, SCE will work with local and tribal governments and Community Based Organizations to identify pre-established locations for these communities.

More broadly, SCE describes its collaboration and partnerships with external agencies in Section 8.4 SCE values these opportunities to partner with local, state and federal agencies, particularly in the response to wildfire and PSPS risk events and will continue to seek opportunities to improve and refine our communication, emergency response, and restoration efforts to help ensure the safety of our customers and the reliability of our electric system.

- ***Integrate lessons learned from across the industry****: Identify applicable generic lessons learned to improve the overall effectiveness of the electrical corporation WMP.*

Please see SCE's response to Section 10 which details numerous lessons learned and opportunities that SCE and its stakeholder partners have identified, and for which SCE is planning to implement going forward.

SCE engages utilities across California and the rest of the country to share best practices, mitigation strategies, and approaches for mitigating wildfire and PSPS risk. These collaborations can result in the ideation of new and/or more effective ways of planning for and implement the WMP. This includes understanding how other utilities identify, evaluate, and determine appropriate mitigation options for risk events, fire ignitions, and other issues on the system. Additional topical areas that are discussed to identify lessons learned typically include:

  - Risk modeling, including understanding how and why utilities use different inputs, data sources, calculations, etc., and how the risk modeling results inform mitigation strategies;
  - Execution of work, including resourcing strategies and execution processes;
  - Engineering standards and construction methods, particularly for new technologies and mitigations being deployed in the field

SCE also appreciates the guidance and feedback from Energy Safety throughout the WMP process and incorporates that feedback into our WMP to make it more effective with each successive submission.

- ***Share lessons learned with others****: Identify and communicate any significant generic lessons learned that should be disseminated broadly (i.e., to other electrical corporations and responsible regulatory authorities, such as Energy Safety or CAL FIRE).*

Please see SCE's response to Section 10, which details numerous lessons learned and opportunities that SCE and its stakeholder partners have identified.

12 NOTICES OF VIOLATION AND DEFECT

Within a Notice of Violation (NOV) or Notice of Defect (NOD), Energy Safety directs an electrical corporation to correct a violation or defect within a specific timeline, depending on the risk category of the violation or defect. The electrical corporation has 30 days to respond to the NOV or NOD and provide a plan for corrective action. Following completion of the corrective action, the electrical corporation must provide Energy Safety with documentation validating the resolution or correction of the identified violation or defect. Energy Safety includes the electrical corporation's response and the resolution status of any violations or defects in the summaries it provides to the CPUC.

In Table 12-1 of the WMP, the electrical corporation must provide a list of all open violations and defects as of January 1, 2023.

The WMP should not include detailed corrective action plans for each risk event, finding, and/or improvement area. However, this documentation must be made available to Energy Safety upon request.

Table 12-1 provides a list of all open violations and defects as of January 1, 2023. Corrective actions are planned and scheduled for all of these.

Table 12-1 - List of Open Compliance Violations and Defects

Report ID	Type	Severity	Date of Notice	Date of Response	Summary Description of Violation/Defect	Estimated Completion Date	Summary Description of Correction
NOV_SCE_EDC_ 20211207-01	Violation	Minor	3/23/22	5/20/2022	Vibration Damper - Missing	3/23/23	Install Vibration Damper
NOV_SCE_IAG_ 20211117-02	Violation	Minor	4/22/22	5/23/2022	Vibration Damper - Missing	4/22/23	Install Vibration Damper
NOD_SCE_ATJ_20211208-01	Defect	Moderate	3/23/22	4/25/2022	Anchor Guy - Loose/Broken	5/23/22	Correct Anchor Guy - Loose/Broken
NOV_SCE_ATJ_ 20211208-01	Violation	Minor	3/23/22	4/25/2022	Connector Cover - Loose/Missing	3/23/23	Correct Connector Cover - Loose/Missing
NOV_SCE_EDC_ 20211208-01	Violation	Minor	4/22/22	5/23/2022	Vibration Damper - 6" of Insulator	4/22/23	Install Vibration Damper - 6" of Insulator
NOV_SCE_ATJ_20211130-01	Violation	Minor	2/24/22	5/9/2022	Vibration Damper - Missing	2/24/23	Install Vibration Damper
NOV_SCE_ATJ_20211207-01	Violation	Minor	2/24/22	3/28/2022	Vibration Damper - Missing	2/24/23	Install Vibration Damper
NOV_SCE_ATJ_ 20211201-01	Violation	Minor	3/23/22	4/22/2022	Vibration Damper - Missing	3/23/23	Install Vibration Damper
NOV_SCE_IAG_ 20211117-03	Violation	Minor	4/22/22	5/23/2022	Vibration Damper - Missing	4/22/23	Install Vibration Damper
NOV_SCE_ATJ_ 20211117-01	Violation	Minor	3/23/22	4/25/2022	Vibration Damper - Missing	3/23/23	Install Vibration Damper
NOV_SCE_EDC_ 20211117-01	Violation	Minor	3/23/22	4/25/2022	Vibration Damper - Missing	3/23/23	Install Vibration Damper
NOV_SCE_ATJ_20211118-01	Violation	Minor	2/24/22	5/9/2022	Fiberglass Guy Strain Insulator - Missing	2/24/23	Install Fiberglass Guy Strain Insulator -
NOD_SCE_ATJ_20211115-01	Defect	Minor	2/24/22	3/28/2022	Anchor Guy - Loose/Broken	2/24/23	Correct Anchor Guy that is Loose/Broken
NOD_SCE_ATJ_20211130-01	Defect	Minor	2/24/22	3/28/2022	Anchor Guy - Loose/Broken	2/24/23	Correct Anchor Guy that is Loose/Broken
NOD_SCE_ATJ_20220622-01	Defect	Minor	7/22/22	8/22/2022	Anchor Guy - Buried	7/22/23	Correct Anchor Guy - Buried
NOV_SCE_IAG_ 20211117-01	Violation	Minor	4/22/22	5/23/2022	Vibration Damper - Missing	4/22/23	Install Vibration Damper
NOD_SCE_ATJ_20211209-01	Defect	Minor	2/24/22	3/28/2022	Conductor - Frayed/Broken	2/24/23	Correct Conductor that is Frayed/Broken
NOV_SCE_MYU_ 20220224-01	Violation	Minor	4/22/22	5/23/2022	Vibration Damper - Missing	4/22/23	Install Vibration Damper
NOV_SCE_CAC7_ 20220224-01	Violation	Minor	4/22/22	5/23/2022	Vibration Damper - Missing	4/22/23	Install Vibration Damper
NOV_SCE_ATJ_ 20211202-01	Violation	Minor	3/23/22	5/20/2022	Vibration Damper - Missing	3/23/23	Install Vibration Damper
NOV_SCE_ATJ_ 20211116-01	Violation	Minor	3/23/22	4/25/2022	Vibration Damper - Missing	3/23/23	Install Vibration Damper
NOV_SCE_EDC_ 20211116-01	Violation	Minor	3/23/22	4/25/2022	Vibration Damper - Missing	3/23/23	Install Vibration Damper
NOV_SCE_IAG_ 20211116-01	Violation	Minor	3/23/22	4/25/2022	Asset - Mislabeled/Misidentified	3/23/23	Correct Asset that is Mislabeled/Misidentified
NOV_ SCE ATJ_20220405-01	Violation	Minor	7/22/22	8/22/2022	Vibration Damper - Missing	7/22/23	Install Vibration Damper
NOV_SCE_ATJ_20211115-01	Violation	Minor	2/24/22	3/28/2022	Vibration Damper - Missing	2/24/23	Install Vibration Damper
NOV_SCE_IAG_ 20211117-05	Violation	Minor	4/22/22	5/23/2022	Vibration Damper - Missing	4/22/23	Install Vibration Damper
NOV_SCE ATJ_20220406-01	Violation	Minor	7/22/22	8/22/2022	Vibration Damper - Missing	7/22/23	Install Vibration Damper
NOD_SCE_ATJ_20211118-01	Defect	Minor	2/24/22	3/28/2022	Anchor Guy - Loose/Broken	2/24/23	Correct Anchor Guy that is Loose/Broken
NOV_SCE_MYU_20220406-01	Violation	Minor	7/28/2022	8/24/2022	Vibration Damper - Missing	7/28/23	Install Vibration Damper
NOD_SCE_ATJ_20211202-01	Defect	Minor	3/23/22	4/25/2022	Conductor - Bird Caging	3/23/23	Correct Conductor - Bird Caging
NOD_SCE_ATJ_20220406-01	Defect	Minor	7/22/22	8/22/2022	Avian Protection Cover - Loose/Missing	7/22/23	Correct Avian Protection Cover - Loose/Missing
NOD_SCE_GCA_ 20211118-01	Defect	Minor	4/22/22	5/23/2022	Veg - Anchor Guy Contact Above Insulator	4/22/23	Correct Veg - Anchor Guy Contact Above Insulator
NOD_SCE_GCA_ 20211116-01	Defect	Minor	5/11/22	6/10/2022	Conductor - Bird Caging	5/11/23	Correct Conductor - Bird Caging
NOV_SCE_IAG_ 20211117-04	Violation	Minor	4/22/22	5/23/2022	Vibration Damper - Missing	4/22/23	Install Vibration Damper

APPENDIX A: DEFINITIONS

Unless otherwise expressly stated, the following words and terms, for the purposes of these Guidelines, have the meanings shown in this chapter.

Terms Defined in Other Codes

Where terms are not defined in these Guidelines and are defined in the Government Code, Public Utilities Code, or California Public Resources Code, such terms have the meanings ascribed to them in those codes.

Terms Not Defined

Where terms are not defined through the methods authorized by this section, such terms have ordinarily accepted meanings such as the context implies.

Definition of Terms

Term	Definition
Access and functional needs population (AFN)	Individuals, including, but not limited to, those who have developmental or intellectual disabilities, physical disabilities, chronic conditions, or injuries; who have limited English proficiency or are non-English speaking; who are older adults, children, or people living in institutionalized settings; or who are low income, homeless, or transportation disadvantaged, including, but not limited to, those who are dependent on public transit or are pregnant. (California Government Code 8593.3(f)(1)
Asset (utility)	Electric lines, equipment, or supporting hardware.
At-risk species	See "high-risk species."
Benchmarking	A comparison between one electrical corporation's protocols, technologies used, or mitigations implemented, and other electrical corporations' similar endeavors.

Term	Definition
Calibration	Adjustment of a set of code input parameters to maximize the resulting agreement of the code calculations with observations in a specific scenario.[1]
Catastrophic wildfire	A fire that caused at least one death, damaged over 500 structures, or burned over 5,000 acres.
Circuit miles	The total length in miles of separate transmission and/or distribution circuits, regardless of the number of conductors used per circuit (i.e., different phases).
Consequence	The adverse effects from an event, considering the hazard intensity, community exposure, and local vulnerability.
Contact by object ignition likelihood	The likelihood that a non-vegetative object (such as a balloon or vehicle) will contact utility-owned equipment and result in an ignition.
Contact by vegetation ignition likelihood	The likelihood that vegetation will contact utility-owned equipment and result in an ignition.
Contractor	Any individual in the temporary and/or indirect employ of the electrical corporation whose limited hours and/or time-bound term of employment are not considered "full-time" for tax and/or any other purposes.
Critical facilities and infrastructure	Facilities and infrastructure that are essential to public safety and that require additional assistance and advance planning to ensure resiliency during PSPS events. These include the following: Emergency services sector: Police stations Fire stations Emergency operations centers

[1] Adapted from T. G. Trucano, L. P. Swiler, T. Igusa, W. L. Oberkampf, and M. Pilch, 2006, "Calibration, validation, and sensitivity analysis: What's what," *Reliability Engineering and System Safety*, vol. 91, no. 10–11, pp. 1331– 1357.

Term	Definition
	• Public safety answering points (e.g., 9-1-1 emergency services) Government facilities sector: • Schools • Jails and prisons Health care and public health sector: • Public health departments • Medical facilities, including hospitals, skilled nursing facilities, nursing homes, blood banks, health care facilities, dialysis centers, and hospice facilities (excluding doctors' offices and other non-essential medical facilities) Energy sector: • Public and private utility facilities vital to maintaining or restoring normal service, including, but not limited to, interconnected publicly owned electrical corporations and electric cooperatives Water and wastewater systems sector: • Facilities associated with provision of drinking water or processing of wastewater, including facilities that pump, divert, transport, store, treat, and deliver water or wastewater Communications sector: • Communication carrier infrastructure, including selective routers, central offices, head ends, cellular switches, remote terminals, and cellular sites Chemical sector: • Facilities associated with manufacturing, maintaining, or distributing hazardous materials and chemicals (including Category N-Customers as defined in D.01-06- 085) Transportation sector:

Term	Definition
	• Facilities associated with transportation for civilian and military purposes: automotive, rail, aviation, maritime, or major public transportation (D.19-05-042 and D.20-05-051)
Customer hours	Total number of customers, multiplied by average number of hours (e.g., of power outage).
Danger tree	Any tree located on or adjacent to a utility right-of-way or facility that could damage utility facilities should it fall where (1) the tree leans toward the right-of-way, or (2) the tree is defective because of any cause, such as: heart or root rot, shallow roots, excavation, bad crotch, dead or with dead top, deformity, cracks or splits, or any other reason that could result in the tree or main lateral of the tree falling. (California Code of Regulation Title 14 § 895.1)
Data cleaning	Calibration of raw data to remove errors (including typographical and numerical mistakes).
Dead fuel moisture content	Moisture content of dead vegetation, which responds solely to current environmental conditions and is critical in determining fire potential.
Detailed inspection	In accordance with General Order (GO) 165, an inspection where individual pieces of equipment and structures are carefully examined, visually and through routine diagnostic testing, as appropriate, and (if practical and if useful information can be so gathered) opened, and the condition of each is rated and recorded.
Disaster	A serious disruption of the functioning of a community or a society at any scale due to hazardous events interacting with conditions of exposure, vulnerability, and capacity, leading to one or more of the following: human, material, economic, and environmental losses and impacts. The effect of the disaster can

	be immediate and localized but is often widespread and could last a long time. The effect may test or exceed the capacity of a community or society to cope using its own resources. Therefore, it may require assistance from external sources, which could include neighboring jurisdictions or those at the national or international levels. (United Nations Office for Disaster Risk Reduction [UNDRR].)

Term	Definition
Discussion-based exercise	Exercise used to familiarize participants with current plans, policies, agreements, and procedures or to develop new plans, policies, agreements, and procedures. Often includes seminars, workshops, tabletop exercises, and games.
Electrical corporation	Every corporation or person owning, controlling, operating, or managing any electric plant for compensation within California, except where the producer generates electricity on or distributes it through private property solely for its own use or the use of its tenants and not for sale or transmission to others.
Emergency	Any incident, whether natural, technological, or human caused, that requires responsive action to protect life or property but does not result in serious disruption of the functioning of a community or society. (FEMA/UNDRR.)
Enhanced inspection	Inspection whose frequency and thoroughness exceed the requirements of a detailed inspection, particularly if driven by risk calculations.
Equipment ignition likelihood	The likelihood that utility-owned equipment will cause an ignition through either normal operation (such as arcing) or failure.
Exercise	An instrument to train for, assess, practice, and improve performance in prevention, protection, response, and recovery capabilities in a risk-free environment. (FEMA.)

Term	Definition
Exposure	The presence of people, infrastructure, livelihoods, environmental services and resources, and other high-value assets in places that could be adversely affected by a hazard.
Fire ecology	A scientific discipline concerned with natural processes involving fire in an ecosystem and its ecological effects, the interactions between fire and the abiotic and biotic components of an ecosystem, and the role of fire as an ecosystem process.
Fire Potential Index (FPI)	Landscape scale index used as a proxy for assessing real-time risk of a wildfire under current and forecasted weather conditions.
Fire season	The time of year when wildfires are most likely for a given geographic region due to historical weather conditions, vegetative characteristics, and impacts of climate change. Each electrical corporation defines the fire season(s) across its service territory based on a recognized fire agency definition for the specific region(s) in California.
Frequency	The anticipated number of occurrences of an event or hazard over time.
Frequent PSPS events	Three or more PSPS events per calendar year per line circuit.
Fuel density	Mass of fuel (vegetation) per area that could combust in a wildfire.
Fuel management	Removal or thinning of vegetation to reduce the potential rate of propagation or intensity of wildfires.
Fuel moisture content	Amount of moisture in a given mass of fuel (vegetation), measured as a percentage of its dry weight.
Full-time employee (FTE)	Any individual in the ongoing and/or direct employ of the electrical corporation whose hours and/or term of

Term	Definition
	employment are considered “full-time” for tax and/or any other purposes.
Game	A simulation of operations that often involves two or more teams, usually in a competitive environment, using rules, data, and procedures designed to depict an actual or assumed real-life situation.
Goals	The electrical corporation’s general intentions and ambitions.
GO 95 nonconformance	Condition of a utility asset that does not meet standards established by GO 95.
Grid hardening	Actions (such as equipment upgrades, maintenance, and planning for more resilient infrastructure) taken in response to the risk of undesirable events (such as outages) or undesirable conditions of the electrical system to reduce or mitigate those events and conditions, informed by an assessment of the relevant risk drivers or factors.
Grid topology	General design of an electric grid, whether looped or radial, with consequences for reliability and ability to support PSPS (e.g., ability to deliver electricity from an additional source).
Hazard	A condition, situation, or behavior that presents the potential for harm or damage to people, property, the environment, or other valued resources.[3]
Hazard tree	See danger tree
High Fire Threat District (HFTD)	Areas of the state designated by the CPUC as having elevated wildfire risk, where each utility must take additional action (per GO 95, GO 165, and GO 166) to mitigate wildfire risk. (D.17-01-009.)
High Fire Risk Area (HFRA)	Areas that the electrical corporation has deemed at high risk from wildfire, independent of HFTD designation.

Term	Definition
Highly rural region	In accordance with 38 CFR 17.701, area with a population of less than seven persons per square mile, as determined by the United States Bureau of the Census. For purposes of the WMP,"area" must be defined as a census tract.
High-risk species	Species of vegetation that (1) have a higher risk of either coming into contact with powerlines or causing an outage or ignition, or (2) are easily ignitable and within close proximity to potential arcing, sparks, and/or other utility equipment thermal failures. The status of species as "high-risk" must be a function of species-specific characteristics, including growth rate; failure rates of limbs, trunk, and/or roots (as compared to other species); height at maturity; flammability; and vulnerability to disease or insects.
High Wind Warning (HWW)	Level of wind risk from weather conditions, as declared by the National Weather Service (NWS). For historical NWS data, refer to the Iowa State University archive of NWS watches/warnings.[2]
HWW overhead (OH) circuit mile day	Sum of OH circuit miles of utility grid subject to a HWW each day within a given time period, calculated as the number of OH circuit miles under a HWW multiplied by the number of days those miles are under said HWW. For example, if 100 OH circuit miles are under a HWW for one day, and 10 of those miles are under the HWW for an additional day, then the total HWW OH circuit mile days would be 110.
Ignition consequence	The total anticipated adverse effects from an ignition at each location in the electrical corporation service territory. This considers the likelihood that an ignition will transition into a wildfire (wildfire spread likelihood) and the consequences that the wildfire will have on each community it reaches (wildfire consequence).

[2] https://mesonet.agron.iastate.edu/request/gis/watchwarn.phtml.

Term	Definition
Ignition likelihood	The total anticipated annualized number of ignitions resulting from utility-owned assets at each location in the electrical corporation service territory. This considers probabilistic weather conditions, type and age of equipment, and potential contact of vegetation and other objects with utility assets.
Ignition probability	The relative possibility that an ignition will occur, quantified as a number between 0 percent (impossibility) and 100 percent (certainty). The higher the probability of an event, the more certainty there is that the event will occur. (Often informally referred to as likelihood or chance.)
Ignition risk	The total anticipated annualized impacts from ignitions at a specific location. This considers the likelihood that an ignition will occur, the likelihood the ignition will transition into a wildfire, and the potential consequences – considering hazard intensity, exposure potential, and vulnerability – the wildfire will have on each community it reaches.
Impact/consequence of ignition	The effect or outcome of a wildfire ignition upon objectives that may be expressed by terms including, although not limited to, maintaining health and safety, ensuring reliability, and minimizing economic and/or environmental damage.
Incident command system (ICS)	A standardized on-scene emergency management construct. It is specifically designed to provide an integrated organizational structure that reflects the complexity and demands of single or multiple incidents, without being hindered by jurisdictional boundaries. The ICS is the combination of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure, designed to aid in the management of resources during incidents.
Initiative	Measure or activity, either proposed or in process, designed to reduce the consequences and/or probability of wildfire or PSPS.

Term	Definition
Integrated public alert warning system (IPAWS)	System allowing the President to send a message to the American people quickly and simultaneously through multiple communications pathways in a national emergency. IPAWS also is available to United States federal, state, local, territorial, and tribal government officials to alert the public via the Emergency Alert System (EAS), Wireless Emergency Alerts (WEA), National Oceanic and Atmospheric Administration (NOAA) Weather Radio, and other NWS dissemination channels; the internet; existing unique warning systems; and emerging distribution technologies.
Invasive species	A species (1) that is non-native (or alien) to the ecosystem under consideration and (2) whose introduction causes or is likely to cause economic or environmental harm or harm to human health.
Level 1 finding	In accordance with GO 95, an immediate safety and/or reliability risk with high probability for significant impact.
Level 2 finding	In accordance with GO 95, a variable safety and/or reliability risk (non-immediate and with high to low probability for significant impact).
Level 3 finding	In accordance with GO 95, an acceptable safety and/or reliability risk.
Limited English proficiency (LEP) population	Population with limited English working proficiency based on the International Language Roundtable scale.
Line miles	The number of miles of transmission and/or distribution conductors, including the length of each phase and parallel conductor segment.
Live fuel moisture content	Moisture content within living vegetation, which can retain water longer than dead fuel.

Term	Definition
Locally relevant	In disaster risk management, generally understood as the scale at which disaster risk strategies and initiatives are considered the most effective at achieving desired outcomes. This tends to be the level closest to impacting residents and communities, reducing existing risks, and building capacity, knowledge, and normative support. Locally relevant scales, conditions, and perspectives depend on the context of application.
Match-drop simulation	Wildfire simulation method forecasting propagation and consequence/impact based on an arbitrary ignition.
Memorandum of Agreement (MOA)	A document of agreement between two or more agencies establishing reciprocal assistance to be provided upon request (and if available from the supplying agency) and laying out the guidelines under which this assistance will operate. It can also be a cooperative document in which parties agree to work together on an agreed-upon project or meet an agreed objective.
Mitigation	Activities to reduce the loss of life and property from natural and/or human-caused disasters by avoiding or lessening the impact of a disaster and providing value to the public by creating safer communities.
Model uncertainty	The amount by which a calculated value might differ from the true value when the input parameters are known (i.e., limitation of the model itself based on assumptions).[3]
Multi-attribute value function (MAVF)	Risk calculation methodology introduced during CPUC's Safety Model Assessment Proceedings (S-MAP) and Risk Assessment and Mitigation Phase (RAMP) proceedings. This methodology is established in D.18-12-014 but may be subject to change pursuant to R.20-07-013.

[3] Adapted from SFPE, 2010, "Substantiating a Fire Model for a Given Application," *Society of Fire Protection Engineers Engineering Guides*.

Term	Definition
Mutual aid	Voluntary aid and assistance by the provision of services and facilities, including but not limited to electrical corporations, communication, and transportation. Mutual aid is intended to provide adequate resources, facilities, and other support to electrical corporations whenever their own resources prove inadequate to cope with a given situation.
National Incident Management System (NIMS)	A systematic, proactive approach to guide all levels of government, nongovernment organizations, and the private sector to work together to prevent, protect against, mitigate, respond to, and recover from the effects of incidents. NIMS provides stakeholders across the whole community with the shared vocabulary, systems, and processes to successfully deliver the capabilities described in the National Preparedness System. NIMS provides a consistent foundation for dealing with all incidents, ranging from daily occurrences to incidents requiring a coordinated federal response.
Near miss	Term previously used for an event with probability of ignition (now "Risk event").
Objectives	Specific, measurable, achievable, realistic, and timely outcomes for the overall WMP strategy, or mitigation initiatives and activities that a utility can implement to satisfy the primary goals and subgoals of the WMP program.
Operations-based exercise	Type of exercise that validates plans, policies, agreements, and procedures; clarifies roles and responsibilities; and identifies resource gaps in an operational environment. Often includes drills, functional exercises (FEs), and full-scale exercises (FSEs).
Overall utility risk	The comprehensive risk due to both wildfire and PSPS incidents across a utility's territory; the aggregate potential of adverse impacts to people, property, critical infrastructure, or other valued assets in society.

Term	Definition
Overall utility risk, ignition risk	See Ignition risk.
Overall utility risk, PSPS risk	See PSPS risk.
Parameter uncertainty	The amount by which a calculated value might differ from the true value based on unknown input parameters. (Adapted from Society of Fire Protection Engineers [SFPE] guidance.)
Patrol inspection	In accordance with GO 165, a simple visual inspection of applicable utility equipment and structures designed to identify obvious structural problems and hazards. Patrol inspections may be carried out in the course of other company business.
Performance metric	A quantifiable measurement that is used by an electrical corporation to indicate the extent to which its WMP is driving performance outcomes.
Population density	Population density is calculated using the American Community Survey (ACS) one-year estimate for the corresponding year or, for years with no such ACS estimate available, the estimate for the immediately preceding year.
Preparedness	A continuous cycle of planning, organizing, training, equipping, exercising, evaluating, and taking corrective action in an effort to ensure effective coordination during incident response. Within the NIMS, preparedness focuses on planning, procedures and protocols, training and exercises, personnel qualification and certification, and equipment certification.
Priority essential services	Critical first responders, public safety partners, critical facilities and infrastructure, operators of telecommunications infrastructure, and water electrical corporations/agencies.
Property	Private and public property, buildings and structures, infrastructure, and other items of value that may be destroyed

Term	Definition
	by wildfire, including both third-party property and utility assets.
Protective equipment and device settings	The electrical corporation's procedures for adjusting the sensitivity of grid elements to reduce wildfire risk, other than automatic reclosers (such as circuit breakers, switches, etc.). For example, PG&E's "Enhanced Powerline Safety Settings" (EPSS).
PSPS consequence	The total anticipated adverse effects of a PSPS for a community. This considers the PSPS exposure potential and inherent PSPS vulnerabilities of communities at risk.
PSPS event	The period from notification of the first public safety partner of a planned public safety PSPS to re-energization of the final customer.
PSPS exposure potential	The potential physical, social, or economic impact of a PSPS event on people, property, critical infrastructure, livelihoods, health, local economies, and other high-value assets.
PSPS likelihood	The likelihood of a PSPS being required by a utility given a probabilistic set of environmental conditions.
PSPS risk	The total anticipated annualized impacts from a PSPS event at a specific location. This considers the likelihood a PSPS event will be required due to environmental conditions exceeding design conditions and the potential consequences – considering exposure potential and vulnerability – of the PSPS event for each affected community.
Public safety partners	First/emergency responders at the local, state, and federal levels; water, wastewater, and communication service providers; community choice aggregators (CCAs); affected publicly owned electrical corporations/electrical cooperatives; tribal governments; Energy Safety; the Commission; the California Office of Emergency Services; and CAL FIRE.

Term	Definition
Red Flag Warning (RFW)	Level of wildfire risk from weather conditions, as declared by the NWS. For historical NWS data, refer to the Iowa State University archive of NWS watches/warnings.[4]
RFW OH circuit mile day	Sum of OH circuit miles of utility grid subject to RFW each day within a given time period, calculated as the number of OH circuit miles under RFW multiplied by the number of days those miles are under said RFW. For example, if 100 OH circuit miles are under RFW for one day, and 10 of those miles are under RFW for an additional day, then the total RFW OH circuit mile days would be 110.
Risk	A measure of the anticipated adverse effects from a hazard considering the consequences and frequency of the hazard occurring.[5]
Risk component	A part of an electric corporation's risk analysis framework used to determine overall utility risk.
Risk evaluation	The process of comparing the results of a risk analysis with risk criteria to determine whether the risk and/or its magnitude is acceptable or tolerable. (ISO 31000:2009.)
Risk event	An event with probability of ignition, such as wire down, contact with objects, line slap, event with evidence of heat generation, or other event that causes sparking or has the potential to cause ignition. The following all qualify as risk events: • Ignitions • Outages not caused by vegetation • Outages caused by vegetation

[4] https://mesonet.agron.iastate.edu/request/gis/watchwarn.phtml.

[5] Adapted from D. Coppola, 2020, "Risk and Vulnerability," *Introduction to International Disaster Management*, 4th ed.

Term	Definition
	• Wire-down events • Faults • Other events with potential to cause ignition
Risk management	Systematic application of management policies, procedures, and practices to the tasks of communication, consultation, establishment of context, and identification, analysis, evaluation, treatment, monitoring, and review of risk. (ISO 31000.)
Rule	Section of Public Utilities Code requiring a particular activity or establishing a particular threshold.
Rural region	In accordance with GO 165, area with a population of less than 1,000 persons per square mile, as determined by the U.S. Bureau of the Census.[6] For purposes of the WMP, "area" must be defined as a census tract.
Seminar	An informal discussion, designed to orient participants to new or updated plans, policies, or procedures (e.g., to review a new external communications standard operating procedure).
Sensitivity analysis	Process used to determine the relationships between the uncertainty in the independent variables ("input") used in an analysis and the uncertainty in the resultant dependent variables ("output"). (SFPE guidance.)
Slash	Branches or limbs less than four inches in diameter, and bark and split products debris left on the ground as a result of utility vegetation management. (This definition is consistent with California Public Resources Code section 4525.7.)
Span	The space between adjacent supporting poles or structures on a circuit consisting of electric lines and equipment. "Span level" refers to asset-scale granularity.

6 https://www.cpuc.ca.gov/gos/GO95/go_95_rule_18.htm

Term	Definition
Tabletop exercise (TTX)	A discussion-based exercise intended to stimulate discussion of various issues regarding a hypothetical situation. Tabletop exercises can be used to assess plans, policies, and procedures or to assess types of systems needed to guide the prevention of, response to, or recovery from a defined incident.
Target	A forward-looking, quantifiable measurement of work to which an electrical corporation commits to in its WMP. Electrical corporations will show progress toward completing targets in subsequent reports, including QDRs and WMP Updates.
Trees with strike potential	Trees that could either "fall in" to a power line or have branches detach and "fly in" to contact a power line in high-wind conditions.
Uncertainty	The amount by which an observed or calculated value might differ from the true value. For an observed value, the difference is "experimental uncertainty"; for a calculated value, it is "model" or "parameter uncertainty." (Adapted from SFPE guidance.)
Urban region	In accordance with GO 165, area with a population of more than 1,000 persons per square mile, as determined by the U.S. Bureau of the Census. For purposes of the WMP, "area" must be defined as a census tract.
Utility-related ignition	See reportable ignition.
Validation	Process of determining the degree to which a calculation method accurately represents the real world from the perspective of the intended uses of the calculation method without modifying input parameters based on observations in a specific scenario. (Adapted from ASTM E 1355.)
Vegetation management (VM)	Trimming and removal of trees and other vegetation at risk of contact with electric equipment.

Term	Definition
Verification	Process to ensure that a model is working as designed, that is, that the equations are being properly solved. Verification is essentially a check of the mathematics. (SFPE guidance.)
Vulnerability	The propensity or predisposition of a community to be adversely affected by a hazard, including the characteristics of a person, group, or service and their situation that influences their capacity to anticipate, cope with, resist, and recover from the adverse effects of a hazard.
Wildfire consequence	The total anticipated adverse effects from a wildfire on a community that is reached. This considers the wildfire hazard intensity, the wildfire exposure potential, and the inherent wildfire vulnerabilities of communities at risk.
Wildfire exposure potential	The potential physical, social, or economic impact of wildfire on people, property, critical infrastructure, livelihoods, health, environmental services, local economies, cultural/historical resources, and other high-value assets. This may include direct or indirect impacts, as well as short- and long-term impacts.
Wildfire intensity	The potential intensity of a wildfire at a specific location within the service territory given a probabilistic set of weather profiles, vegetation, and topography.
Wildfire mitigation strategy	Overview of the key mitigation initiatives at enterprise level and component level across the electrical corporation's service territory, including interim strategies where long-term mitigation initiatives have long implementation timelines. This includes a description of the enterprise-level monitoring and evaluation strategy for assessing overall effectiveness of the WMP.
Wildfire risk	See Ignition risk.
Wildfire spread likelihood	The likelihood that a fire with a nearby but unknown ignition point will transition into a wildfire and will spread to a location

Term	Definition
	in the service territory based on a probabilistic set of weather profiles, vegetation, and topography.
Wildland-urban interface (WUI)	The line, area, or zone where structures and other human development meet or intermingle with undeveloped wildland or vegetation fuels (National Wildfire Coordinating Group). Enforcement agencies also designate the WUI as the area at significant risk from wildfires, established pursuant to Title 24, Part 2, Chapter 7A.
Wire down	Instance where an electric transmission or distribution conductor is broken and falls from its intended position to rest on the ground or a foreign object.
Work order	A prescription for asset or vegetation management activities resulting from asset or vegetation management inspection findings.
Workshop	Discussion that resembles a seminar but is employed to build specific products, such as a draft plan or policy (e.g., a multi- year training and exercise plan).

Definitions of Initiatives by Category

Category	Section #	Initiative	Definition
Overview of the Service Territory	5.4.5	Environmental compliance and permitting	Development and implementation of process and procedures to ensure compliance with applicable environmental laws, regulations, and permitting related to the implementation of the WMP.
Risk Methodology and Assessment	6	Risk Methodology and Assessment	Development and use of tools and processes to assess the risk of wildfire and PSPS across an electrical corporation's service territory.
Wildfire Mitigation Strategy Development	7	Wildfire Mitigation Strategy Development	Development and use of processes for deciding on a portfolio of mitigation initiatives to achieve maximum feasible risk reduction and that meet the goals of the WMP.
Grid Design, Operations, and Maintenance	8.1.2.1	Covered conductor installation	Installation of covered or insulated conductors to replace standard bare or unprotected conductors (defined in accordance with GO 95 as supply conductors, including but not limited to lead wires, not enclosed in a grounded metal pole or not covered by: a "suitable protective covering" (in accordance with Rule 22.8), grounded metal conduit, or grounded metal sheath or shield). In accordance with GO 95, conductor is defined as a material suitable for: (1) carrying electric current, usually in the form of a wire, cable or bus bar, or (2) transmitting light in the case of fiber optics; insulated conductors as those which are surrounded by an insulating material (in accordance with Rule 21.6), the dielectric strength of which is sufficient to withstand the

			maximum difference of potential at normal operating voltages of the circuit without breakdown or puncture; and suitable protective covering as a covering of wood or other non-conductive material having the electrical insulating efficiency (12kV/in. dry) and impact strength (20ft.-lbs) of 1.5 inches of redwood or other material meeting the requirements of Rule 22.8-A, 22.8-B, 22.8-C or 22.8-D.
Grid Design, Operations, and Maintenance	8.1	Undergrounding of electric lines and/or equipment	Actions taken to convert overhead electric lines and/or equipment to underground electric lines and/or equipment (i.e., located underground and in accordance with GO 128).
Grid Design, Operations, and Maintenance	8.1.2.3	Distribution pole replacements and reinforcements	Remediation, adjustments, or installations of new equipment to improve or replace existing distribution poles (i.e., those supporting lines under 65kV), including with equipment such as composite poles manufactured with materials reduce ignition probability by increasing pole lifespan and resilience against failure from object contact and other events.
Grid Design, Operations, and Maintenance	8.1.2.4	Transmission pole/tower replacements and reinforcements	Remediation, adjustments, or installations of new equipment to improve or replace existing transmission towers (e.g., structures such as lattice steel towers or tubular steel poles that support lines at or above 65kV).
Grid Design, Operations, and Maintenance	8.1.2.5	Traditional overhead hardening	Maintenance, repair, and replacement of capacitors, circuit breakers, cross-arms, transformers, fuses, and connectors (e.g., hot line clamps) with the intention of minimizing the risk of ignition.

Grid Design, Operations, and Maintenance	8.1.2.6	Emerging grid hardening technology installations and pilots	Development, deployment, and piloting of novel grid hardening technology.
Grid Design, Operations, and Maintenance	8.1.2.7	Microgrids	Development and deployment of microgrids that may reduce the risk of ignition, risk from PSPS, and wildfire consequence. "Microgrid" is defined by Public Utilities Code section 8370(d).
Grid Design, Operations, and Maintenance	8.1.2.8	Installation of system automation equipment	Installation of electric equipment that increases the ability of the electrical corporation to automate system operation and monitoring, including equipment that can be adjusted remotely such as automatic reclosers (switching devices designed to detect and interrupt momentary faults that can reclose automatically and detect if a fault remains, remaining open if so).
Grid Design, Operations, and Maintenance	8.1.2.9	Line removals (in HFTD)	Removal of overhead lines to minimize the risk of ignition due to the design, location, or configuration of electric equipment in HFTDs.
Grid Design, Operations, and Maintenance	8.1.2.10	Other grid topology improvements to minimize risk of ignitions	Actions taken to minimize the risk of ignition due to the design, location, or configuration of electric equipment in HFTDs not covered by another initiative.
Grid Design, Operations, and Maintenance	8.1.2.11	Other grid topology improvements to mitigate or reduce PSPS events	Actions taken to mitigate or reduce PSPS events in terms of geographic scope and number of customers affected not covered by another initiative.

Grid Design, Operations, and Maintenance	8.1.2.12	Other technologies and systems not listed above	Other grid design and system hardening actions which the electrical corporation takes to reduce its ignition and PSPS risk not otherwise covered by other initiatives in this section.
Grid Design, Operations, and Maintenance	8.1.3.1	Asset inspections	Inspections of overhead electric transmission lines, equipment, and right-of-way.
Grid Design, Operations, and Maintenance	8.1.4	Equipment maintenance and repair	Remediation, adjustments, or installations of new equipment to improve or replace existing connector equipment, such as hotline clamps.
Grid Design, Operations, and Maintenance	8.1.5	Asset management and inspection enterprise system(s)	Operation of and support for centralized asset management and inspection enterprise system(s) updated based upon inspection results and activities such as hardening, maintenance, and remedial work.
Grid Design, Operations, and Maintenance	8.1.6	Quality assurance / quality control	Establishment and function of audit process to manage and confirm work completed by employees or contractors, including packaging QA/QC information for input to decision-making and related integrated workforce management processes.
Grid Design, Operations, and Maintenance	8.1.7	Open work orders	Actions taken to manage the electrical corporation's open work orders resulting from inspections that prescribe asset management activities.
Grid Design, Operations, and Maintenance	8.1.8.1	Equipment Settings to Reduce Wildfire Risk	The electrical corporation's procedures for adjusting the sensitivity of grid elements to reduce wildfire risk.
Grid Design, Operations, and Maintenance	8.1.8.2	Grid Response Procedures and Notifications	The electrical corporation's procedures it uses to respond to faults, ignitions, or other issues detected on its grid that may result in a wildfire.

Grid Design, Operations, and Maintenance	8.1	Personnel Work Procedures and Training in Conditions of Elevated Fire Risk	Work activity guidelines that designate what type of work can be performed during operating conditions of different levels of wildfire risk. Training for personnel on these guidelines and the procedures they prescribe, from normal operating procedures to increased mitigation measures to constraints on work performed.
Grid Design, Operations, and Maintenance	8.1.9	Workforce Planning	Programs to ensure that the electrical corporation has qualified asset personnel and to ensure that both employees and contractors tasked with asset management responsibilities are adequately trained to perform relevant work.
Vegetation Management and Inspection	8.2.2.1	Vegetation inspections	Inspections of vegetation around and adjacent to electrical facilities and equipment that may be hazardous by growing, blowing, or falling into electrical facilities or equipment.
Vegetation Management and Inspection	8.2.3.1	Pole clearing	Plan and execution of vegetation removal around poles per Public Resources Code section 4292 and outside the requirements of Public Resources Code section 4292 (e.g., pole clearing performed outside of the State Responsibility Area).
Vegetation Management and Inspection	8.2.3.2	Wood and slash management	Actions taken to manage all downed wood and "slash" generated from vegetation management activities.
Vegetation Management and Inspection	8.2.3.3	Clearance	Actions taken after inspection to ensure that vegetation does not encroach upon electrical equipment and facilities, such as tree trimming.
Vegetation Management and Inspection	8.2.3.4	Fall-in mitigation	Actions taken to identify and remove or otherwise remediate trees that pose a high risk of failure or fracture that could potentially strike electrical equipment.

Vegetation Management and Inspection	8.2.3.5	Substation defensible space	Actions taken to reduce ignition probability and wildfire consequence due to contact with substation equipment.
Vegetation Management and Inspection	8.2.3.6	High-risk species	Actions taken to reduce the ignition probability and wildfire consequence attributable to high-risk species of vegetation.
Vegetation Management and Inspection	8.2.3.7	Fire-resilient rights-of-way	Actions taken to promote vegetation communities that are sustainable, fire-resilient, and compatible with the use of the land as an electrical corporation right-of- way.
Vegetation Management and Inspection	8.2.3.8	Emergency response vegetation management	Planning and execution of vegetation activities in response to emergency situations including weather conditions that indicate an elevated fire threat and post-wildfire service restoration.
Vegetation Management and Inspection	8.2.4	Vegetation management enterprise system	Operation of and support for centralized vegetation management and inspection enterprise system(s) updated based upon inspection results and activities such as hardening, maintenance, and remedial work.
Vegetation Management and Inspection	8.2.5	Quality assurance / quality control	Establishment and function of audit process to manage and confirm work completed by employees or contractors, including packaging QA/QC information for input to decision-making and related integrated workforce management processes.
Vegetation Management and Inspection	8.2.6	Open work orders	Actions taken to manage the electrical corporation's open work orders resulting from inspections that prescribe vegetation management activities.

Vegetation Management and Inspection	8.2.7	Workforce planning	Programs to ensure that the electrical corporation has qualified vegetation management personnel and to ensure that both employees and contractors tasked with vegetation management responsibilities are adequately trained to perform relevant work.
Situational Awareness and Forecasting	8.3.2	Environmental monitoring systems	Development and deployment of systems which measure environmental characteristics, such as fuel moisture, air temperature, and velocity.
Situational Awareness and Forecasting	8.3.3	Grid monitoring systems	Development and deployment of systems that checks the operational conditions of electrical facilities and equipment and detects such things as faults, failures, and recloser operations.
Situational Awareness and Forecasting	8.3.4	Ignition detection systems	Development and deployment of systems which discover or identify the presence or existence of an ignition, such as cameras.
Situational Awareness and Forecasting	8.3.5	Weather forecasting	Development methodology for forecast of weather conditions relevant to electrical corporation operations, forecasting weather conditions and conducting analysis to incorporate into utility decision-making, learning and updates to reduce false positives and false negatives of forecast PSPS conditions.
Situational Awareness and Forecasting	8.3.6	Fire potential index	Calculation and application of a landscape scale index used as a proxy for assessing real-time risk of a wildfire under current and forecasted weather conditions.
Emergency Preparedness	8.4.2	Emergency preparedness plan	Development and integration of wildfire- and PSPS-specific emergency strategies, practices, policies, and procedures into the electrical corporation's overall emergency plan based on the minimum standards described in GO 166.

Emergency Preparedness	8.4.3	External collaboration and coordination	Actions taken to coordinate wildfire and PSPS emergency preparedness with relevant public safety partners including the state, cities, counties, and tribes.
Emergency Preparedness	8.4.5	Public emergency communication strategy	Development and integration of a comprehensive communication strategy to inform essential customers and other stakeholder groups of wildfires, outages due to wildfires, and PSPS and service restoration, as required by Public Utilities Code section 768.6.
Emergency Preparedness	8.4.6	Preparedness and planning for service restoration	Development and integration of the electrical corporation's plan to restore service after an outage due to a wildfire or PSPS event.
Emergency Preparedness	8.4.6	Customer support in wildfire and PSPS emergencies	Development and deployment of programs, systems, and protocols to support residential and non-residential customers in wildfire emergencies and PSPS events.
Community Outreach and Engagement	8.5.2	Public outreach and education awareness program	Development and deployment of public outreach and education awareness program(s) for wildfires; outages due to wildfires, PSPS events, and protective equipment and device settings; service restoration before, during, and after the incidents and vegetation management.
Community Outreach and Engagement	8.5.3	Engagement with access and functional needs populations	Actions taken understand, evaluate, design, and implement wildfire and PSPS risk mitigation strategies, policies, and procedures specific to access and functional needs customers.

Community Outreach and Engagement	8.5.4	Collaboration on local wildfire mitigation planning	Development and integration of plans, programs, and/or policies for collaborating with communities on local wildfire mitigation planning, such as wildfire safety elements in general plans, community wildfire protection plans, and local multi-hazard mitigation plans.
Community Outreach and Engagement	8.5.5	Best practice sharing with other utilities	Development and integration of an electrical corporation's policy for sharing best practices and collaborating with other electrical corporations on technical and programmatic aspects of its WMP program.

Appendix B: Supporting Documentation for Risk Methodology and Assessment

Note: As part of its 2023-2025 WMP, the electrical corporation is required to provide the "Summary Documentation" as defined by this appendix. For all other requirements in this appendix, the electrical corporation must be readily able to provide the defined documentation in response to a data request by Energy Safety or designated stakeholders.

The risk modeling and assessment in the main body of these Guidelines and electrical corporation's WMP are focused on providing a streamlined overview of the electrical corporation risk framework and key findings from the assessment necessary to understand the wildfire mitigation strategy presented in Section 7.

The focus of this appendix is to provide additional information pertaining to the risk modeling approach used by the electrical corporation. This includes the following:

- *Additional detail on model calculations supporting the calculation of risk and risk components*
- *Additional detail on the calculation of risk and risk components*
- *More detailed presentation of the risk findings*

The following sections establish the reporting requirements for the approaches used by the electrical corporation to calculate each risk and risk component. These have been synthesized and adapted from guidance documents on model quality assurance developed by many agencies, with a focus on guidance related to machine learning, artificial intelligence, and fire science and engineering. These guidance documents include those from the Institute of Electrical and Electronics Engineers (IEEE),[299] the Society of Fire Protection Engineers (SFPE),[300] the American Society for Testing and Materials (ASTM International),[301] the U.S. Nuclear Regulatory Commission (NRC),[302] the Electric Power Research Institute

[299] *IEEE, 2022, "P2841/D2: Draft Framework and Process for Deep Learning Evaluation."*

[300] *SFPE, 2010, "Substantiating a Fire Model for a Given Application," Engineering Guides.*

[301] *ASTM, 2005, "ASTM E1472: Standard Guide for Documenting Computer Software for Fire Models," ASTM International.*
ASTM, 2005, "ASTM E1895: Standard Guide for Determining Uses and Limitations of Deterministic Fire Models," ASTM International.
ASTM, 2005, "ASTM E1355: Standard Guide for Evaluating the Predictive Capability of Deterministic Fire Models," ASTM International.

[302] *U.S. NRC, EPRI, Jensen Hughes, NIST, 2016, "NUREG-1824: Verification and Validation of Selected Fire Models for Nuclear Power Plant Applications. Supplement 1."*
U.S. NRC, EPRI, Hughes Associates, Inc., NIST, California Polytechnic State University, Westinghouse Electric Company, University of Maryland, Science Applications International Corporation, ERIN Engineering, 2012, "NUREG-1934: Nuclear Power Plant Fire Modeling Application Guide."

(EPRI),[52] the National Institute of Standards and Technology (NIST),[303] and the International Organization for Standardization (ISO).[304]

Summary Documentation

The electrical corporation must provide high-level information on the calculation of each risk and risk component used in its risk analysis.

***High-level bow tie schematic** showing the inputs, outputs, and interaction between risk components in the format shown in Figure SCE B-01. An example is provided below.*

***High-level calculation procedure schematic** in the format shown in Figure SCE B-02 This schematic must show the logical flow from input data to outputs, including separate items for any intermediate calculations in models or sub-models and any input from subject matter experts.*

***High-level narrative describing the calculation procedure** in a concise executive summary. This narrative must include the following:*

- *Purpose of the calculation/model*
- *Assumptions and limitations*
- *Description of the calculation procedure shown in the bow tie and high-level schematics*
- *Description of how outputs will be characterized and presented (e.g., visualization) to decision makers*
- *Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.*

[303] *NIST, 1981, "NBS SP 500-73: Computer Model Documentation Guide."*

[304] *ISO, 2013, "ISO/TR 16730:2013: Fire Safety Engineering: Assessment, Verification and Validation of Calculation Methods."*
ISO, 2021, "ISO/IEC TR 24027:2021: Information Technology: Artificial Intelligence (AI) – Bias in AI Systems and AI Aided Decision Making."
ISO, 2021, "ISO/IEC TR 24029:2021: Artificial Intelligence (AI): Assessment of the Robustness of Neural Networks."

R1: Overall Utility Risk

Figure SCE B-01 - SCE's Overall Utility Risk Bow Tie Schematic

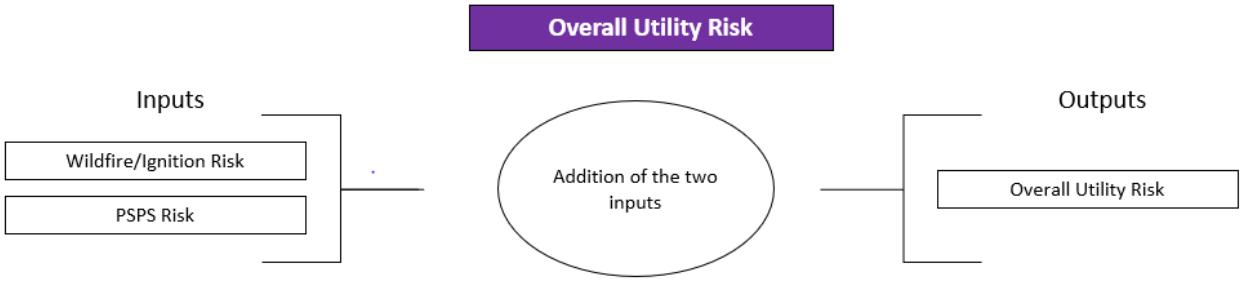
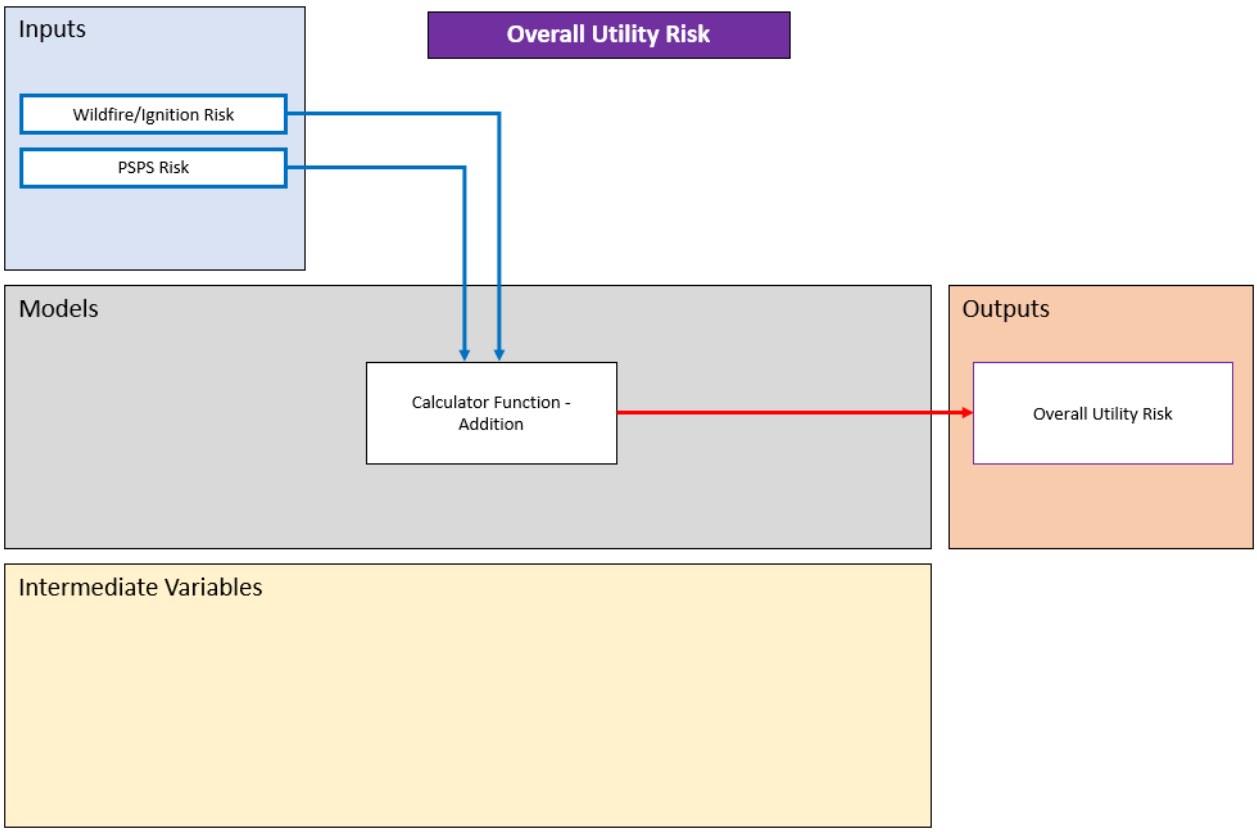


Figure SCE B-02 - SCE's Overall Utility Risk Calculation Procedure Schematic



Purpose of the calculation/model

Overall Utility Risk calculates the overall risk, based on its two sub-components; Wildfire/Ignition Risk and PSPS Risk.

Assumptions and limitations

The risk calculation is based on assumptions and limitations from more granular sub-components (e.g., Likelihood of Ignition, Wildfire Consequences, etc.).

Description of the calculation procedure shown in the bow tie and high-level schematics

Overall Utility Risk is a summation of the Wildfire and PSPS Risk components.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

Overall Utility Risk can be broken down into its two components (Wildfire/Ignition Risk and PSPS Risk) and shown in aggregate or individually, depending on the purpose of the presentation.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

Overall Utility Risk is a composite of all the individual sub-components. Please refer to the individual sub-components for description and timeline of key improvements.

R2: Ignition Risk

Figure SCE B-03 - SCE's Ignition Risk Bow Tie Schematic

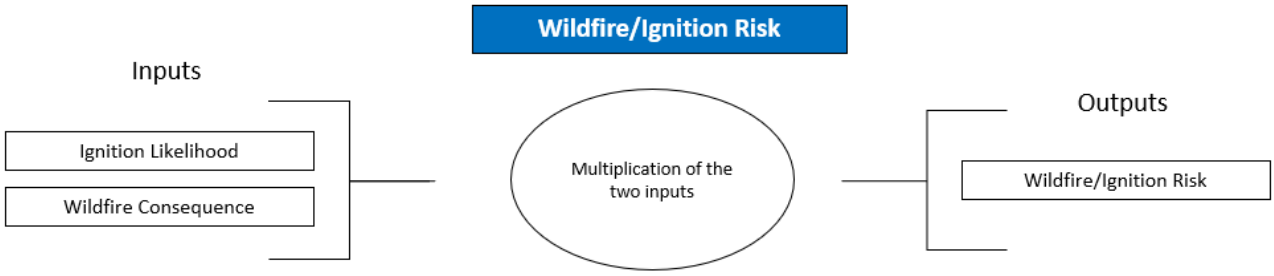
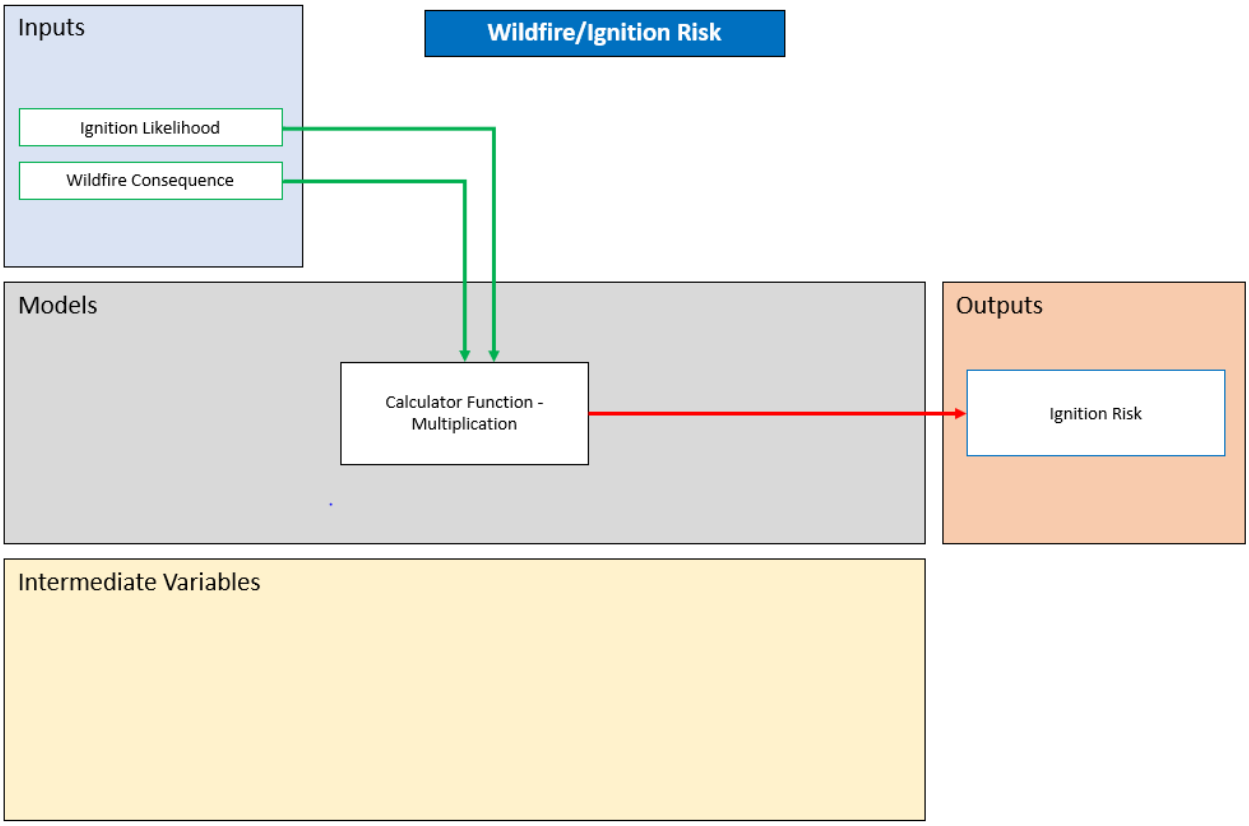


Figure SCE B-04 - SCE's Ignition Risk Calculation Procedure Schematic



Purpose of the calculation/model

SCE considers Ignition Risk synonymous with Wildfire Risk, which is based on its two sub-components, Ignition Likelihood (IRC1) and Wildfire Consequence (IRC3).

Assumptions and limitations

The risk calculation is based on assumptions and limitations from more granular sub-components (e.g., Likelihood of Ignition, Wildfire Consequences, etc.)

Description of the calculation procedure shown in the bow tie and high-level schematics

Ignition or Wildfire Risk is a multiplication of the Ignition Likelihood (IRC1) and Wildfire Consequence (IRC3).

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

Ignition or Wildfire Risk can be broken down into its two components (Ignition Likelihood (IRC1) and Wildfire Consequence (IRC3) and can be further broken down into the subcomponents (e.g. Equipment or Contact from Object Likelihood), depending on the purpose of the presentation.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

Ignition Risk is a composite of the individual sub-components. Please refer to the individual sub-components for description and timeline of key improvements.

IRC2: Wildfire Likelihood

Please see Section 6.2.1 for SCE's approach to this risk component.

IRC1: Ignition Likelihood

Figure SCE B-05 - SCE's Ignition Likelihood Bow Tie Schematic

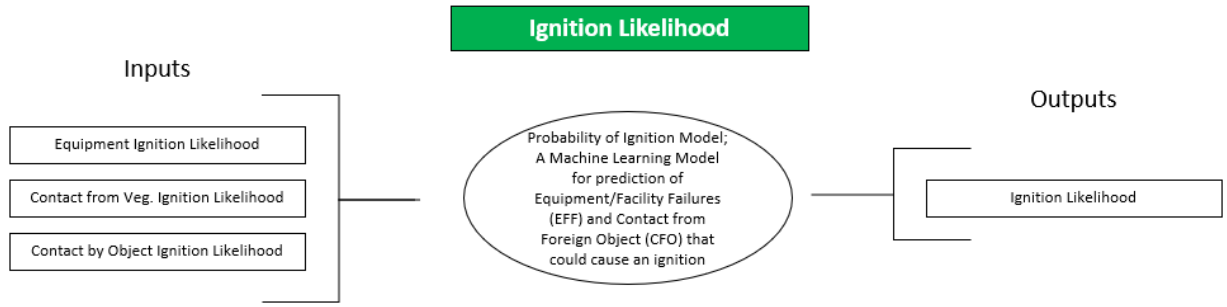
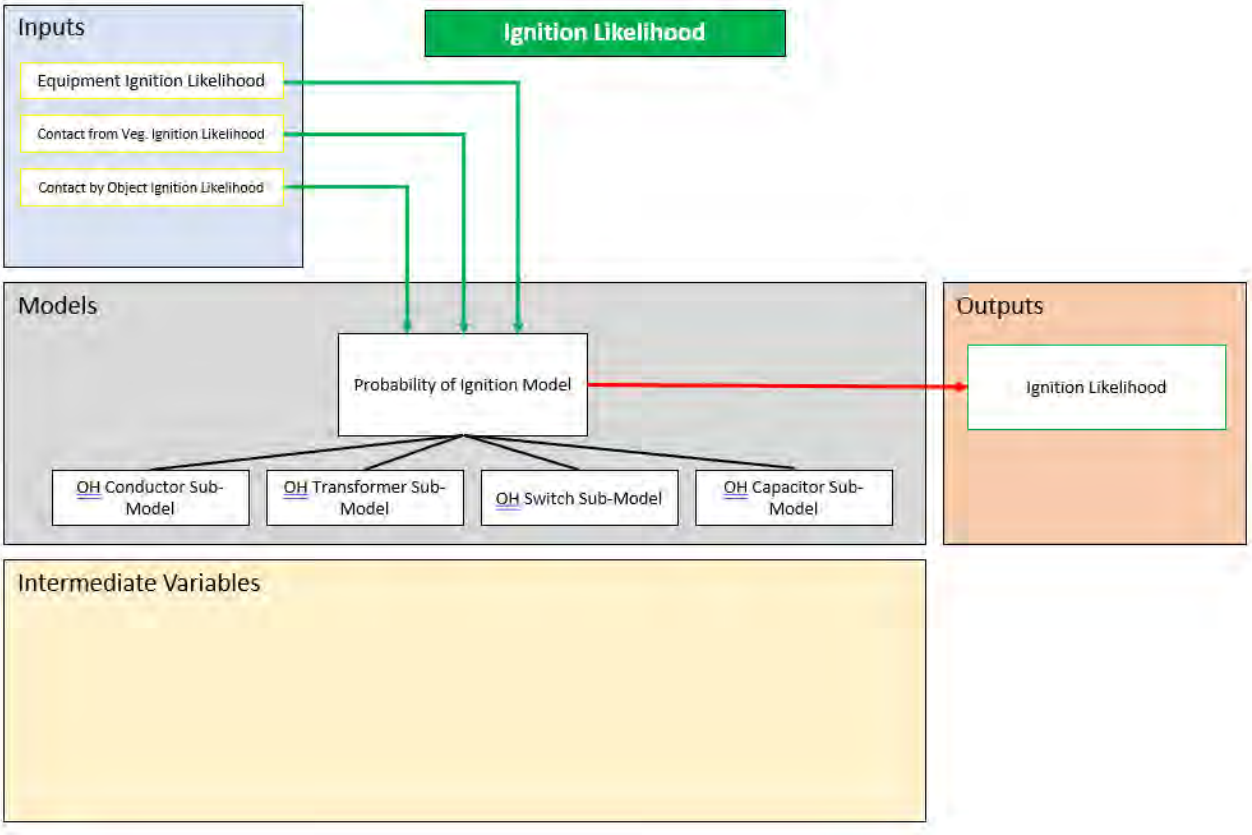


Figure SCE B-06 - SCE's Ignition Likelihood Calculation Procedure Schematic



Purpose of the calculation/model

SCE considers Ignition Likelihood (IRC1) to be synonymous with Probability of Ignition (POI), which is based on inputs of the sub-component likelihood models (Equipment Likelihood of Ignition (FRC1), Contact from Vegetation Likelihood (FRC2), and Contact from Object Likelihood)

Assumptions and limitations

The probability of ignition is a probabilistic assessment of each asset's pre-mitigated ignition likelihood prior to mitigation deployment. SCE does not differentiate between Ignition Likelihood and Wildfire Likelihood. As described in Section 6.1.1, SCE models potential fire behavior and spread from individual utility asset locations.

Description of the calculation procedure shown in the bow tie and high-level schematics

POI is the sum of the ignition component probabilities at that location (i.e., Equipment Ignition Likelihood (FRC1), Contact from Vegetation Ignition Likelihood (FRC2), and Contact by Object Ignition Likelihood (FRC3).

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

Ignition Likelihood can be broken down into its components (i.e., Equipment Ignition Likelihood (FRC1), Contact from Vegetation Ignition Likelihood (FRC2), and Contact by Object Ignition Likelihood (FRC3) and can be further broken down into the subdrivers (e.g. EFF - Transformers, CFO – Balloon, CFO – Animal, CFO – Vehicles, etc.), depending on the purpose of the presentation.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

Ignition Likelihood is a key component in the calculation of the Ignition Risk. As described in Section 6.7, SCE will develop and evaluate an additional predictive model for secondary conductor as an enhancement to the OH Conductor model to more obtain more granular data for equipment related failures for secondary conductor that contributes to POI sub-drivers. This will ideally provide more accuracy in our asset models between primary and secondary failures for both EFF and CFO subdrivers.

FRC1: Equipment Likelihood of Ignition

Figure SCE B-07 - SCE's Equipment Likelihood of Ignition Bow Tie Schematic

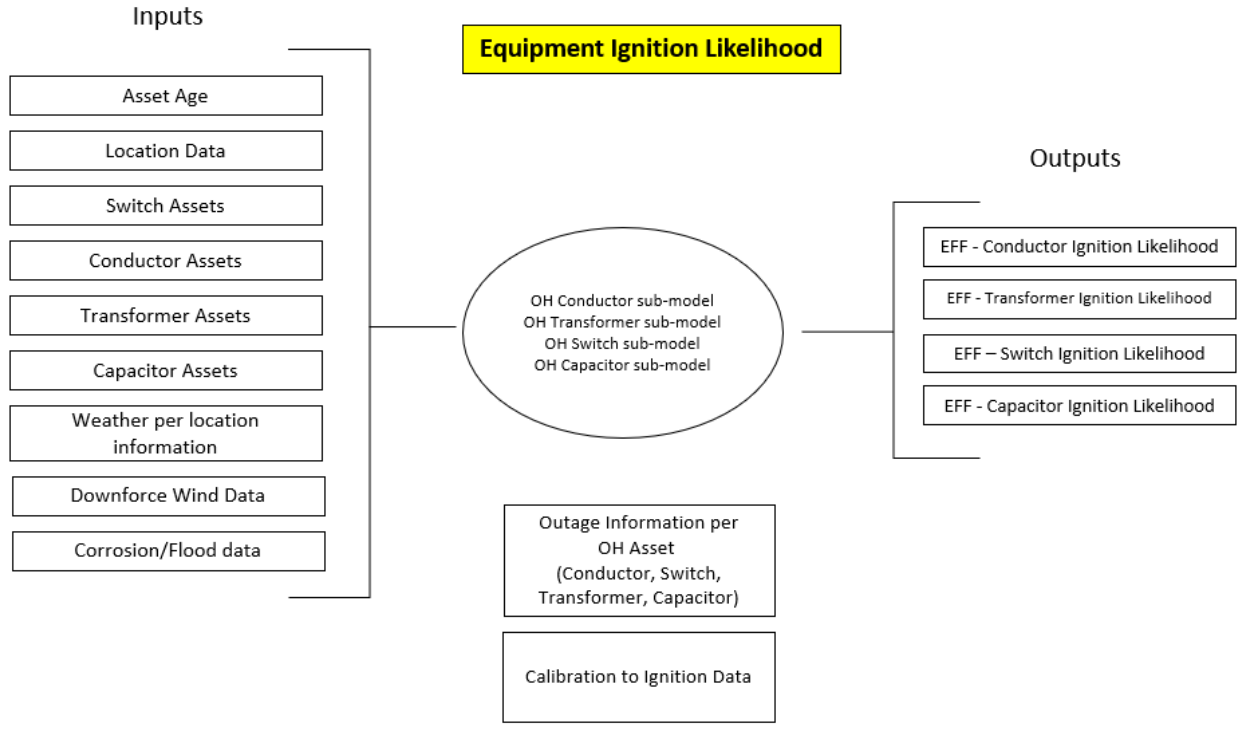
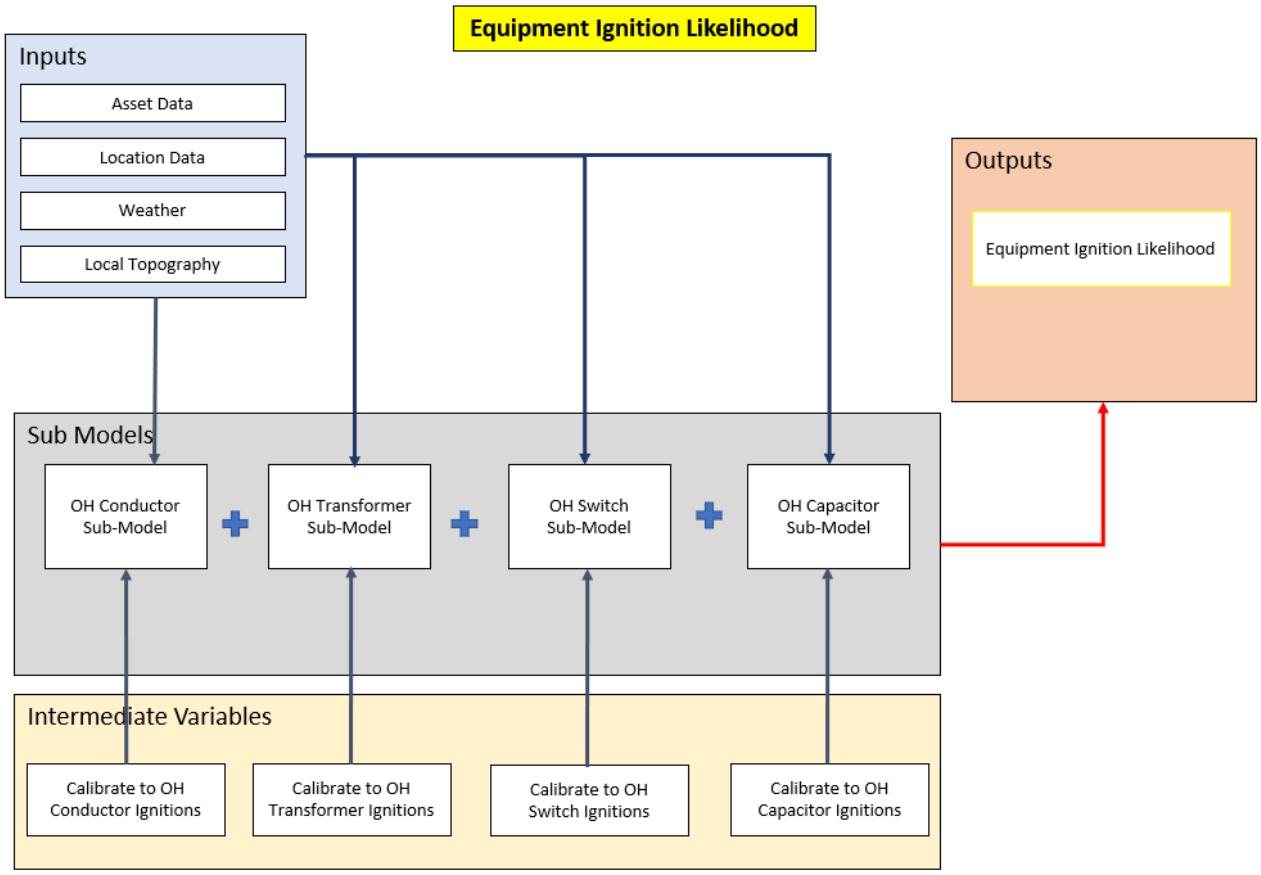


Figure SCE B-08 - SCE's Equipment Likelihood of Ignition Calculation Procedure Schematic



Purpose of the calculation/model

Equipment Ignition Likelihood (FRC1), a subcomponent of Ignition Likelihood (IRC1), calculates the likelihood that electrical corporation-owned equipment will cause an ignition either through normal operation (such as arcing) or through failure.

Assumptions and limitations

The probability of ignition of an Equipment/Facility Failure (EFF POI) is a probabilistic assessment of each asset's pre-mitigated ignition likelihood prior to mitigation deployment.

Description of the calculation procedure shown in the bow tie and high-level schematics

EFF POI is the sum of the ignition component probabilities at that location of the ignition component sub models (e.g. conductor POI, transformer POI, switch POI, capacitor POI). These subcomponent asset models utilize machine learning (ML) algorithms to assess the relevance of ignition drivers relevant to that subcomponent type. Each EFF related subcomponent model uses historical asset outage data, current asset condition (e.g., age, voltage, inspection results, etc.) and relevant environmental attributes (e.g. historical wind, asset loading, number of customers, temperature, relative humidity, etc.). Each model is calibrated with associated outage data for the OH asset type and ignition data.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

Equipment Ignition Likelihood can be broken down into its subcomponents for each asset model or shown in aggregate for overall SCE system EFF POI depending on the purpose of the presentation.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

In addition to the improvements listed in Section 6.7, SCE will review feedback from the Wildfire Risk Modeling Working group and other stakeholder forums to assess key improvements or changes.

FRC2: Contact from Vegetation Likelihood

Figure SCE B-09 - SCE's Contact from Vegetation Likelihood Bow Tie Schematic

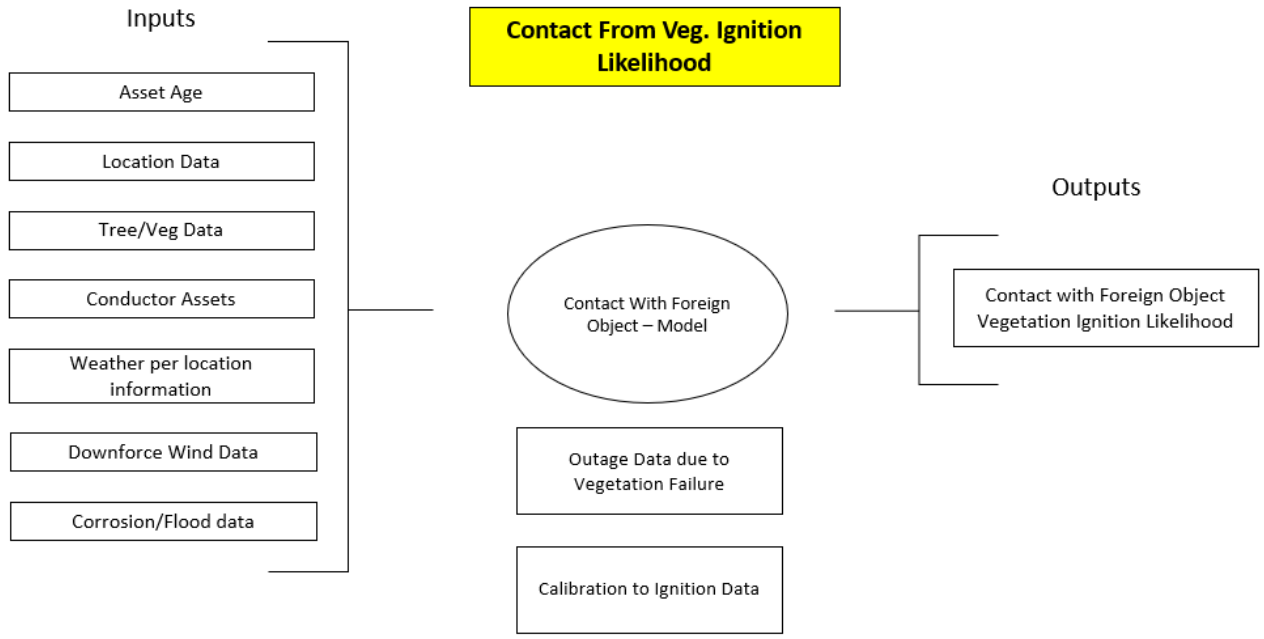
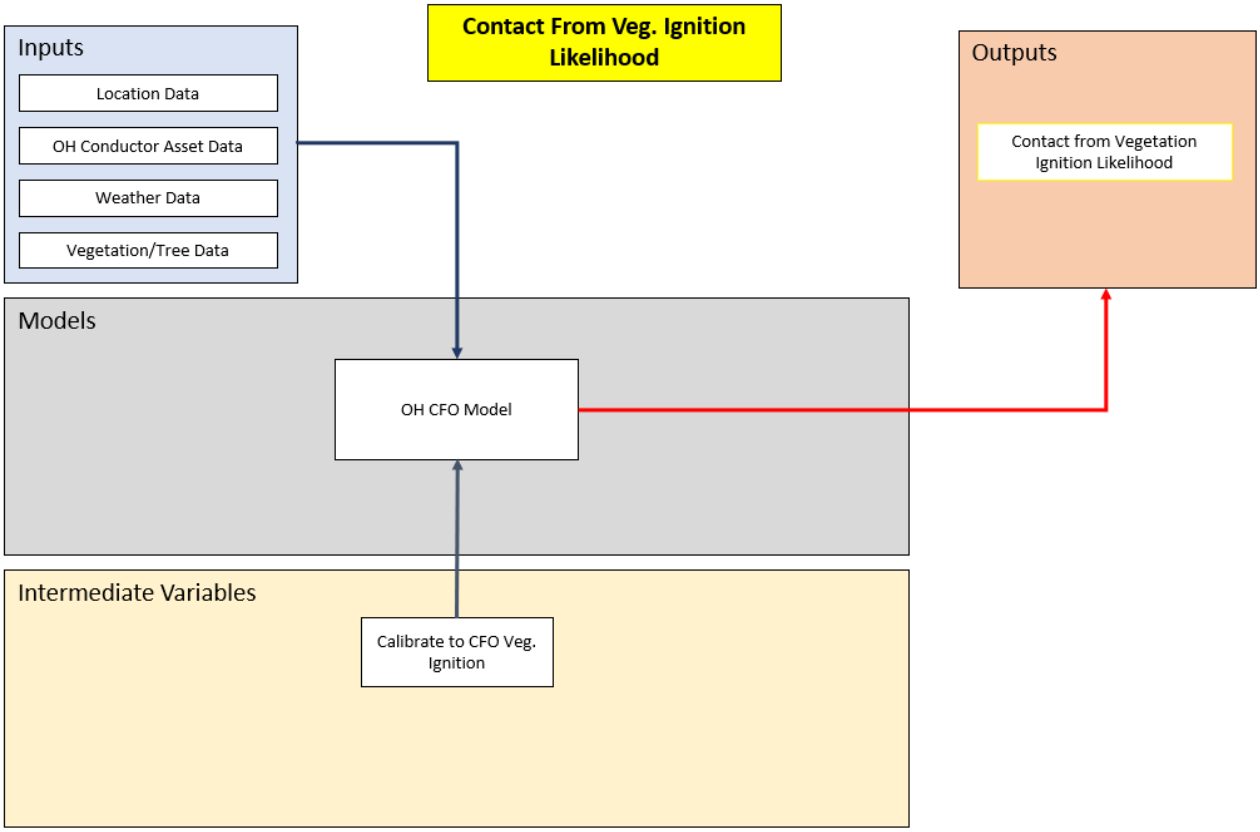


Figure SCE B-10 - SCE's Contact from Vegetation Likelihood Calculation Procedure Schematic



Purpose of the calculation/model

Contact from Vegetation Ignition Likelihood (FRC2), a subcomponent of Ignition Likelihood (IRC1), calculates the likelihood that vegetation will contact electrical corporation-owned equipment and cause an ignition either through a fault or arcing event at a given location.

Assumptions and limitations

The probability of ignition of a Contact from Foreign Object - Vegetation (CFO-Veg POI) is a probabilistic assessment of each asset's pre-mitigated ignition likelihood prior to mitigation deployment.

Description of the calculation procedure shown in the bow tie and high-level schematics

CFO-Veg POI is the output of the Contact from Foreign Object model that utilizes machine learning (ML) algorithms to assess the relevance of ignition subdrivers relevant to vegetation subdrivers. The CFO model uses historical asset outage data, current asset condition (e.g., age, voltage, inspection results, etc.) and relevant environmental attributes (e.g. historical wind, asset loading, number of customers, temperature, relative humidity, etc.). The model is calibrated with associated outage data and ignition data.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

Contact from Vegetation Ignition Likelihood is a subcomponent of the CFO Model and is typically shown in conjunction with other CFO subdrivers (as detailed in Contact by Object Likelihood (FRC3).

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

In addition to the improvements listed in Section 6.7, SCE will review feedback from the Wildfire Risk Modeling Working group and other stakeholder forums to assess key improvements or changes.

FRC3: Contact from Object Likelihood

Figure SCE B-11 - SCE's Contact from Object Likelihood Bow Tie Schematic

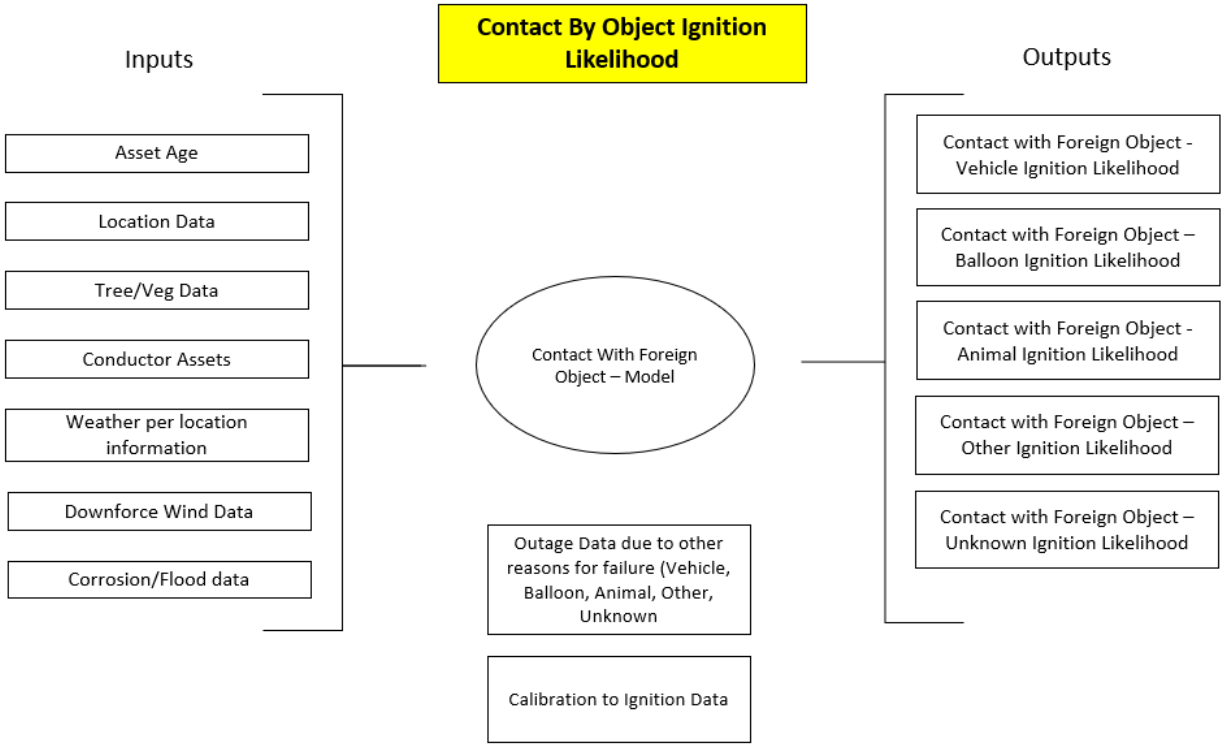
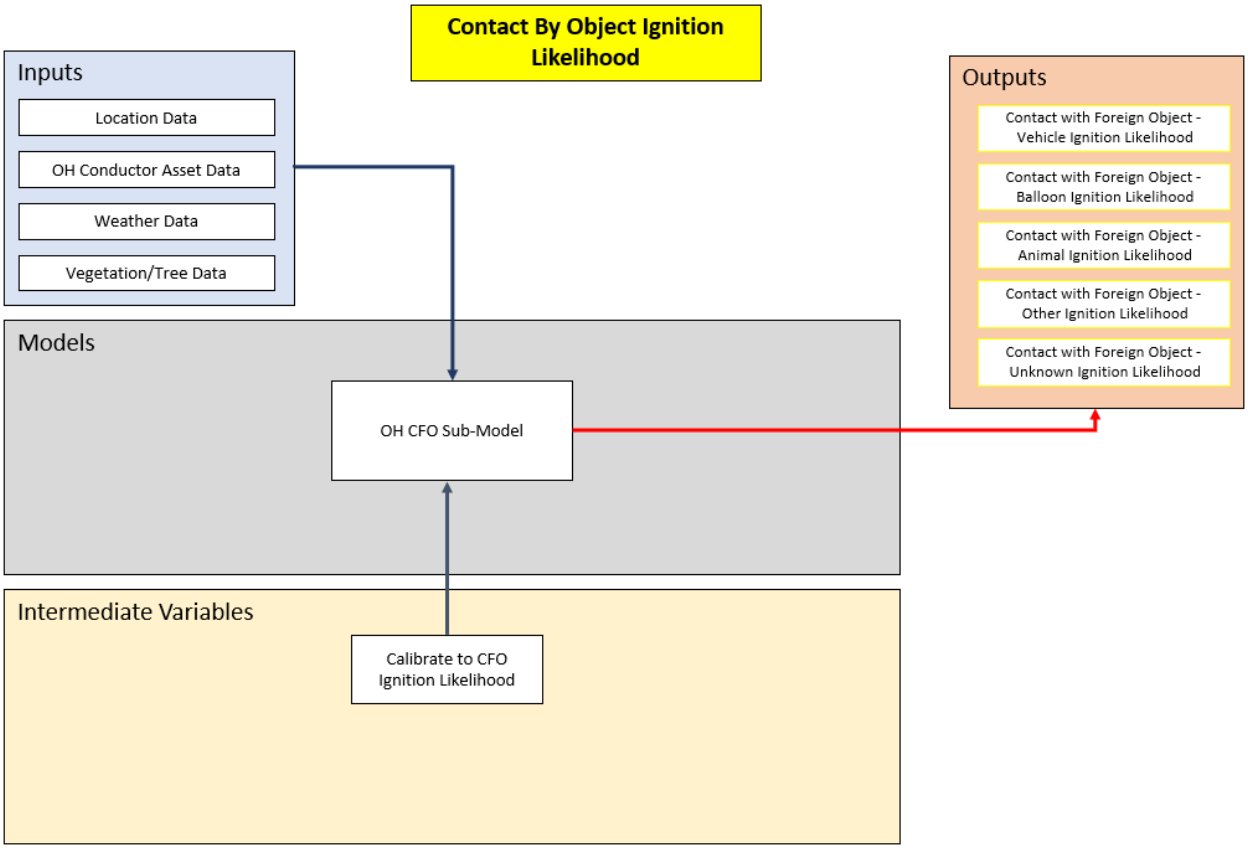


Figure SCE B-12 - SCE's Contact from Object Likelihood Calculation Procedure Schematic



Purpose of the calculation/model

Contact by Object Ignition Likelihood (FRC3), a subcomponent of Ignition Likelihood (IRC1), calculates the likelihood that a non-vegetative object (e.g., vehicle, balloon, animal, other, unknown) will contact electrical corporation-owned equipment and cause an ignition either through a fault or arcing event at a given location.

Assumptions and limitations

The probability of ignition of a Contact from Foreign Object (CFO POI) is a probabilistic assessment of each asset's pre-mitigated ignition likelihood prior to mitigation deployment.

Description of the calculation procedure shown in the bow tie and high-level schematics

CFO POI is the output of the Contact from Foreign Object model that utilizes machine learning (ML) algorithms to assess the relevance of ignition subdrivers relevant to non-vegetative subdrivers (e.g. vehicle, balloon, animal, other, unknown). The CFO model uses historical asset outage data, current asset condition (e.g., age, voltage, inspection results, etc.) and relevant environmental attributes (e.g. historical wind, asset loading, number of customers, temperature, relative humidity, etc.). The model is calibrated with associated outage data for each subdriver and ignition data.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

Contact by Object Ignition Likelihood are subcomponents of the CFO Model and is typically shown in conjunction with other CFO subdrivers (as detailed in Contact from Vegetation Likelihood (FRC2)).

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

In addition to the improvements listed in Section 6.7, SCE will review feedback from the Wildfire Risk Modeling Working group and other stakeholder forums to assess key improvements or changes.

FRC4: Burn Probability

Please see Section 6.2.1 for SCE's approach to this risk component.

IRC3: Wildfire Consequence

Figure SCE B-13 - SCE's Wildfire Consequence Bow Tie Schematic

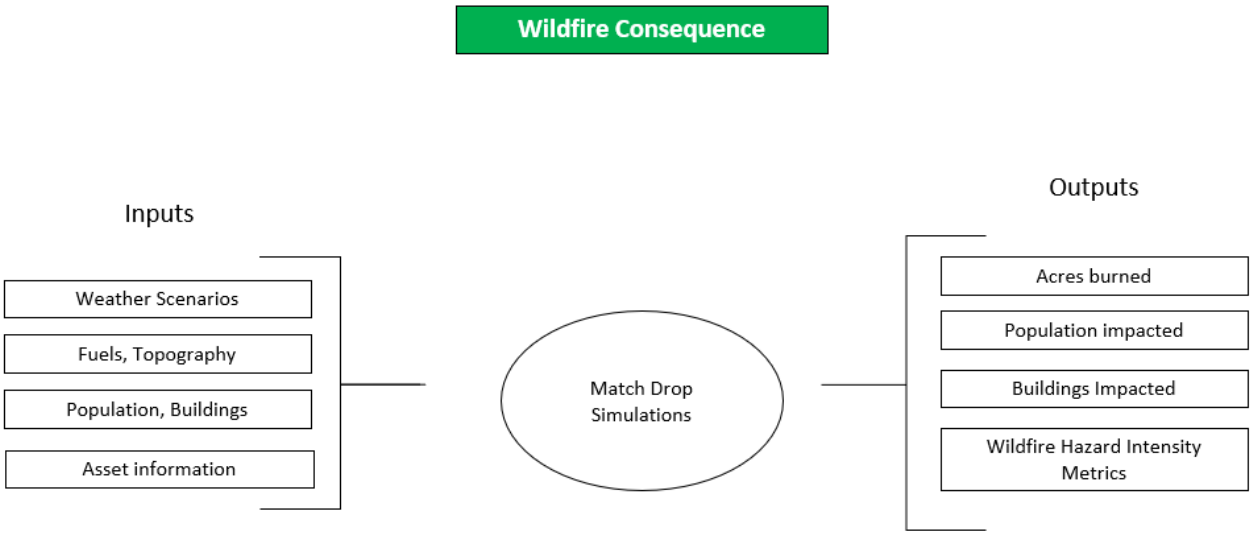
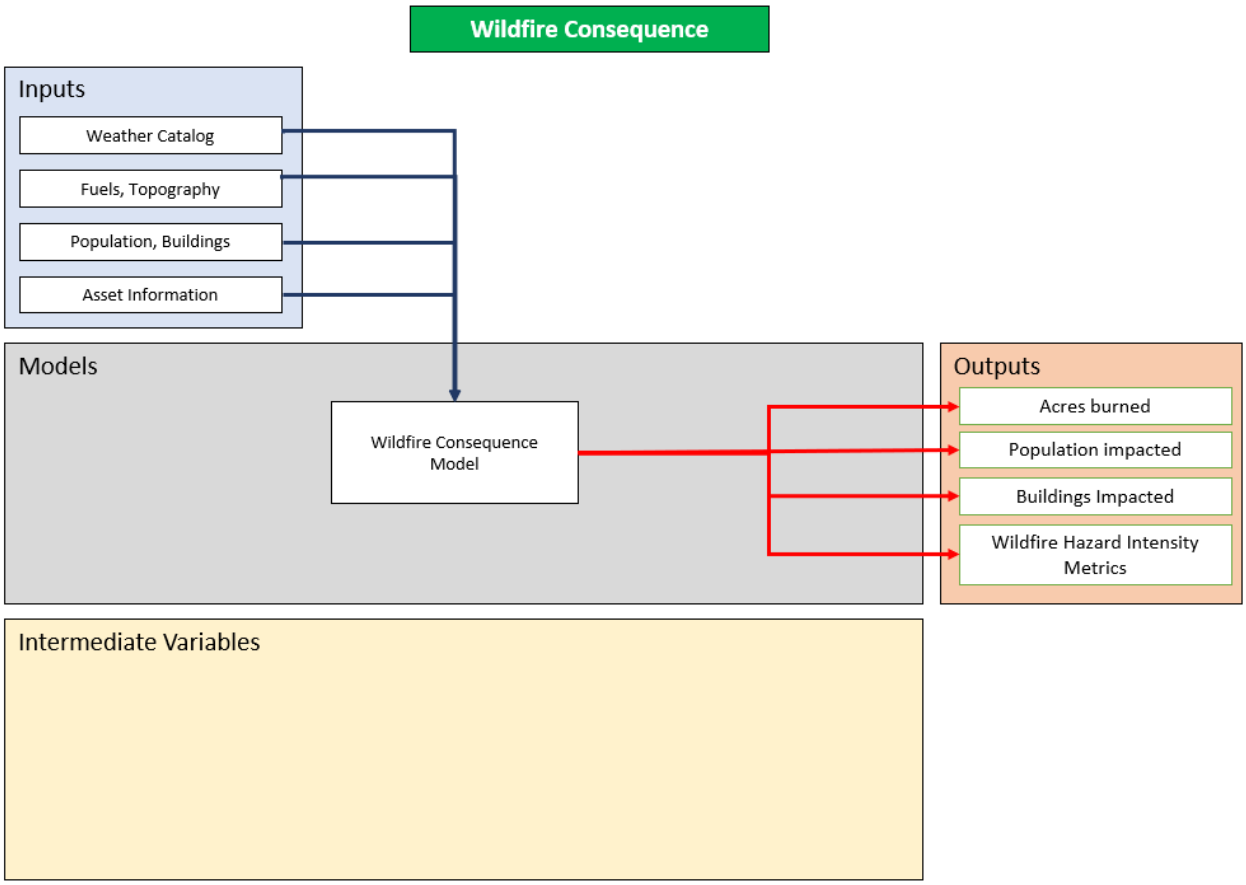


Figure SCE B-14 - SCE's Wildfire Consequence Calculation Procedure Schematic



Purpose of the calculation/model

Wildfire Consequence is used, in conjunction with Wildfire Vulnerability, to assess the impact of potential consequences associated with an ignition event in proximity to overhead assets.

Assumptions and limitations

SCE assumes an eight-hour, unsuppressed burn time for all ignition events. These simulations are representative of a deterministic maximum first burning period. These simulations are intended to provide a relative comparison of the wildfire risk across the landscape in proximity to overhead utility assets.

Description of the calculation procedure shown in the bow tie and high-level schematics

SCE estimates Wildfire Consequences (e.g., acres burned, structures impacted, population impacted) and their associated safety and financial impacts for a given set of deterministic match drop simulations for all overhead assets in SCE's HFTD across 444 weather scenarios using a 2030 fuel projection.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

SCE utilities these natural unit consequences to estimate risk reduction using SCE's MARS Risk Framework (see Section 6.4), as well as to categorize risk within the context of SCE's IWMS Risk Framework.

In the IWMS Risk Framework, SCE categorizes simulated wildfires based on three definitions:

> Significant Fires are simulated fires that, at 8 hours after ignition, burned more than 10,000 acres or had at least one fatality or had at least 50 structures impacted
>
> Destructive Fires are simulated fires that, at 8 hours after ignition, burned between 300 acres and 10,000 acres with zero fatalities and/or had fewer than 50 structures impacted
>
> Small Fires are simulated fires that, at 8 hours after ignition, burned less than 300 acres with zero fatalities and no structures impacted

These three categories inform the risk tranches of Severe Risk Areas (Significant Fires), High Consequence Areas (Destructive Fires), and Other HFRA (Small Fires) that SCE uses to determine mitigation selection, prioritization, and scope deployment. Please see the description of the IWMS methodology in Section 6.2.1 for additional factors considered such as egress and burn-in buffer.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

In addition to the improvements listed in Section 6.7, SCE will review feedback from the Wildfire Risk Modeling Working group and other stakeholder forums to assess key improvements or changes.

FRC5: Wildfire Hazard Intensity

Please see Section 6.2.1 for SCE's approach to this risk component.

FRC6: Wildfire Exposure Potential

Please see Section 6.2.1 for SCE's approach to this risk component.

R3: PSPS Risk

Figure SCE B-15 - SCE's PSPS Risk Bow Tie Schematic

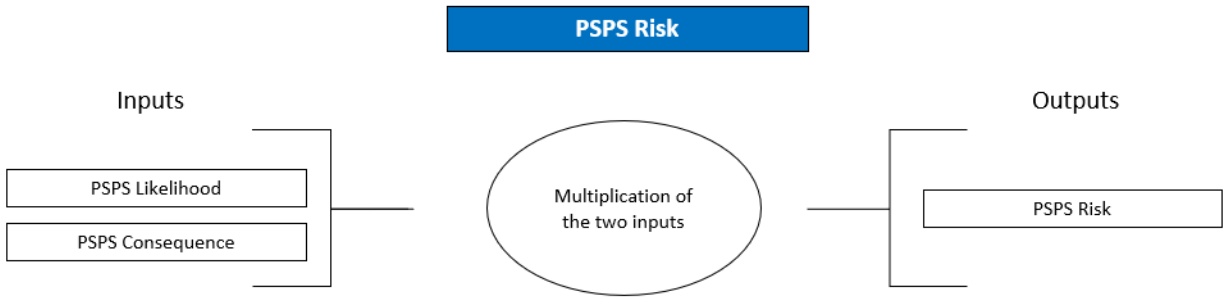
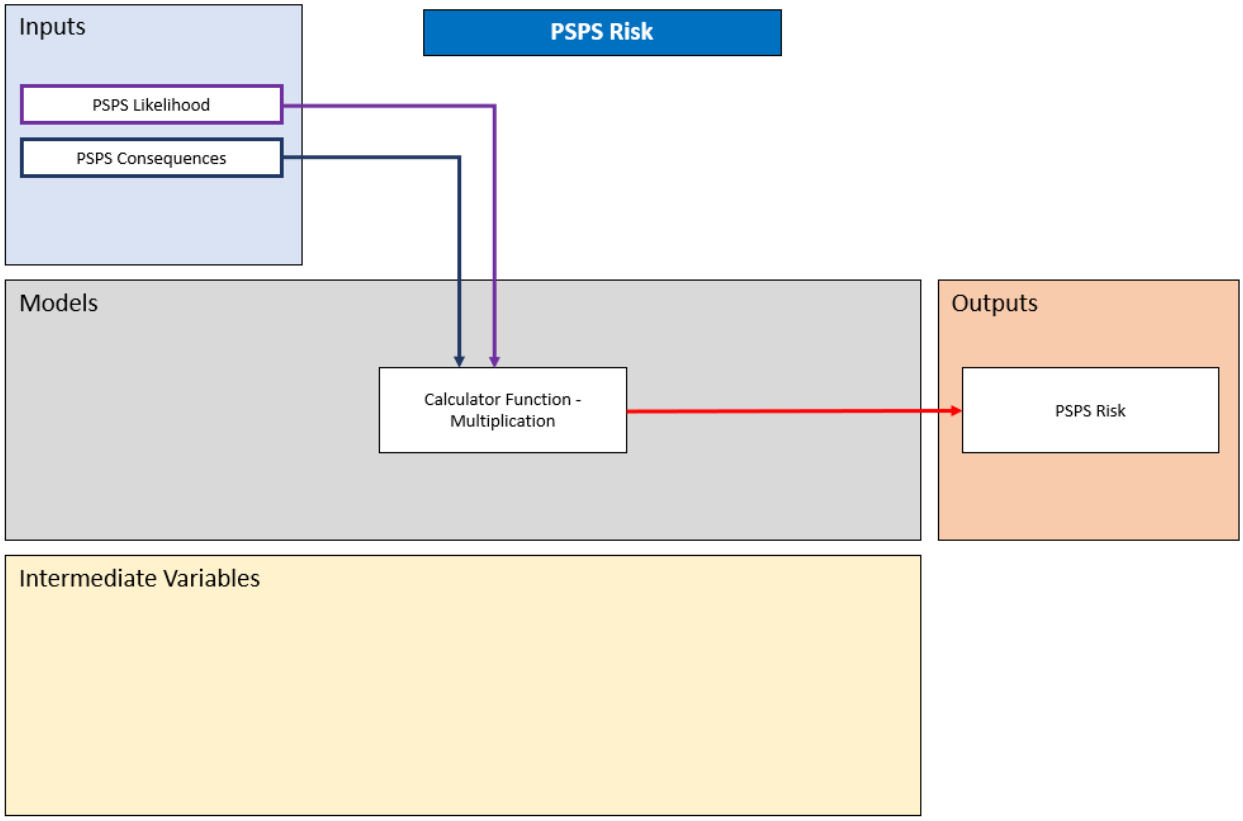


Figure SCE B-16 - SCE's PSPS Risk Calculation Procedure Schematic



Purpose of the calculation/model

PSPS Risk (R3) calculates the overall PSPS risk, based on two inputs – PSPS Likelihood (IRC4) and PSPS Consequences (IRC5).

Assumptions and limitations

The risk calculation is based on assumptions and limitations from more granular sub-components – PSPS Likelihood and PSPS Consequences.

Description of the calculation procedure shown in the bow tie and high-level schematics

PSPS Risk is a product of PSPS Likelihood and PSPS Consequences.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

PSPS Risk components (likelihood and consequences) can be shown individually or shown as a single risk score per circuit, depending on the purpose of the presentation.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

PSPS Risk is a composition of the individual sub-components. Please refer to the individual sub-components for description and timeline of key improvements.

IRC4: PSPS Likelihood

Figure SCE B-17 - SCE's PSPS Likelihood Bow Tie Schematic

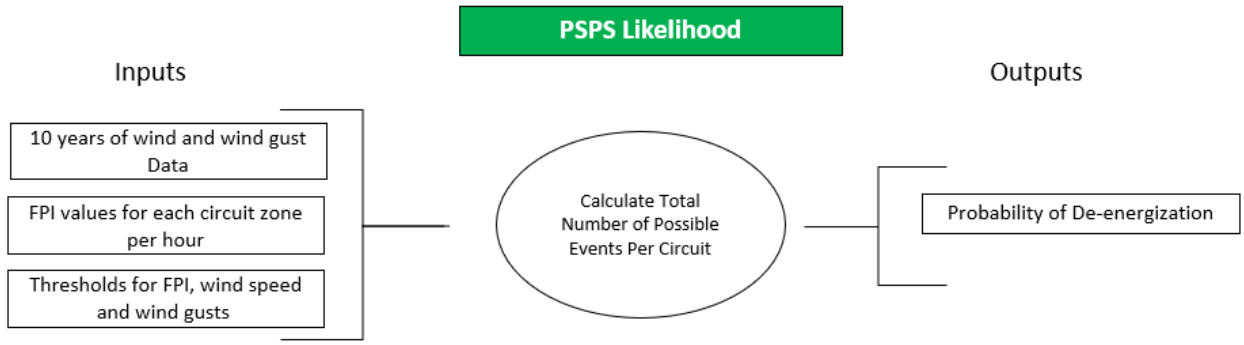
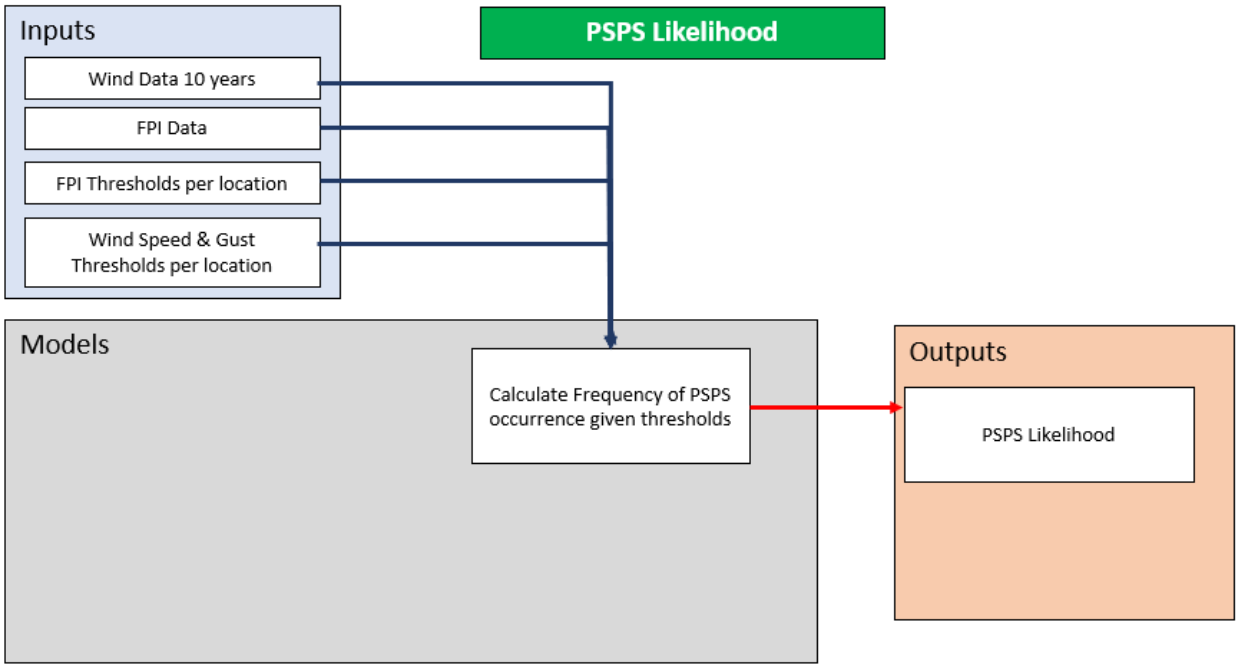


Figure SCE B-18 - SCE's PSPS Likelihood Calculation Procedure Schematic



Purpose of the calculation/model

SCE considers PSPS Likelihood as synonymous with Probability of De-energization (POD). POD is used to estimate the projected frequency and duration of future PSPS events.

Assumptions and limitations

SCE assumes future wind conditions will resemble past conditions. Additionally, SCE assumes current de-energization thresholds will remain in place.

Description of the calculation procedure shown in the bow tie and high-level schematics

Depending on the current state of grid hardening on each individual circuit, the Probability of De-energization is based on the frequency and duration estimates in terms of total annual hours for each circuit. SCE utilizes de-energization thresholds based on historical wind speed, and wind gusts conditions and hourly FPI values to approximate the likely frequency and duration of PSPS events for both harden and unharden circuits. See De-energization Thresholds in Table SCE-B-01 below.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

Table SCE B-01 provides the de-energization thresholds of harden and unhardened circuits. The hardened or unharden calculated exceedance will determine the projected frequency and duration of future PSPS events

Table SCE B-01 - De-energization Thresholds

Unhardened Thresholds)	FPI > 12 AND Wind (Sustained) > 31 mph OR Wind (Gust) > 46 mph
Hardened Thresholds	FPI > 13 in all Fire Climate Zones (FCZs) except Zone 1 “Coastal” where FPI > 12 is used AND Wind (Sustained) > 40 mpg OR Wind (Gust) > 58 mph.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

In addition to the improvements listed in Section 6.7, SCE will review feedback from the Wildfire Risk Modeling Working group and other stakeholder forums to assess key improvements or changes.

IRC5: PSPS Consequence

Figure SCE B-19 - SCE's PSPS Consequence Bow Tie Schematic

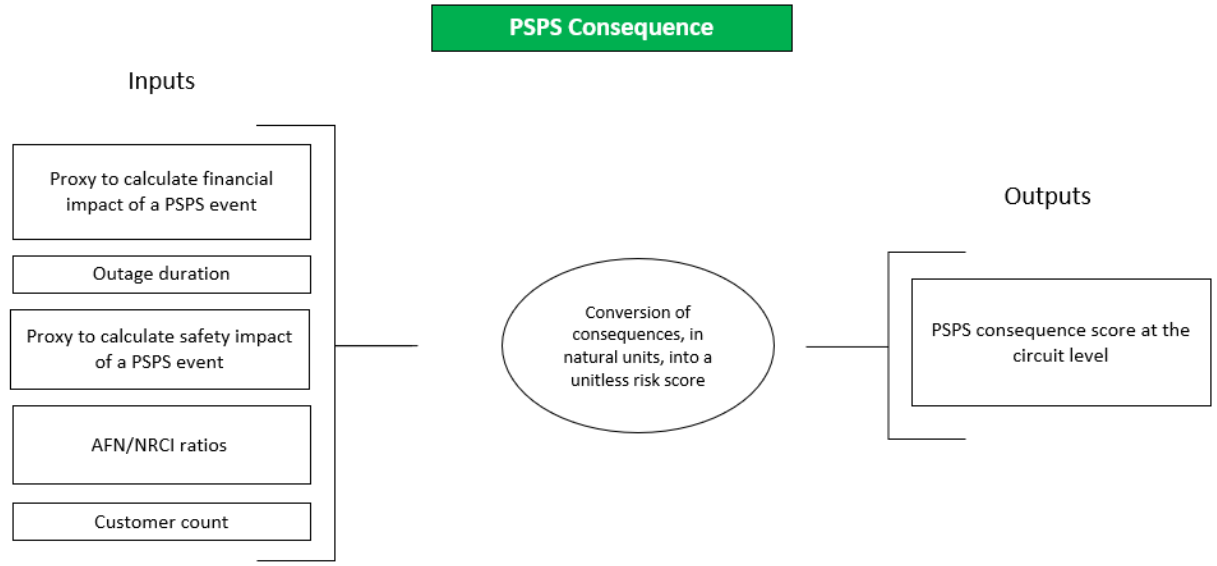
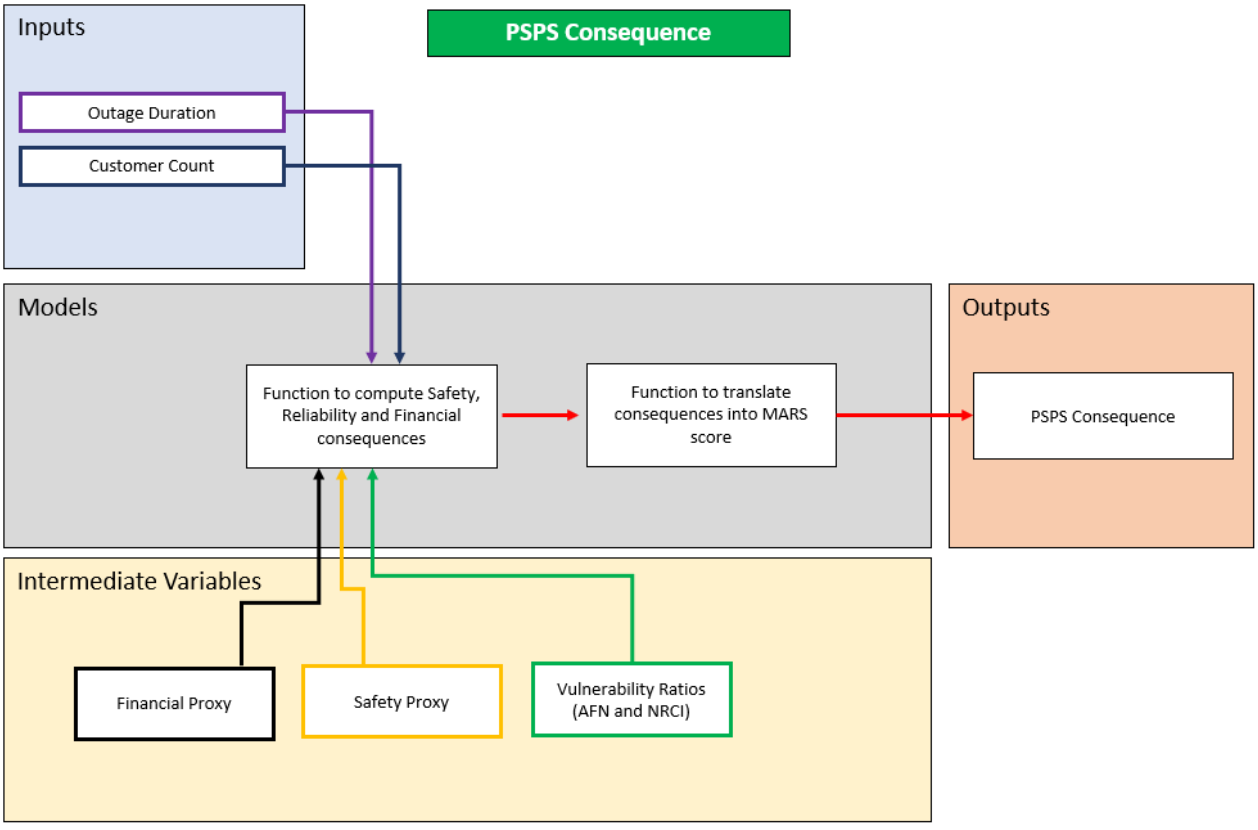


Figure SCE B-20 - SCE's PSPS Consequence Calculation Procedure Schematic



Purpose of the calculation/model

PSPS Consequences (IRC5) calculates the consequence components (Safety, Reliability, and Financial) from a PSPS event and then translates it into a MARS score.

Assumptions and limitations

This component assumes an 8-hour outage duration, which was chosen to be consistent with the duration of the wildfire simulation. In addition, SCE developed proxies to convert customers' outage duration into financial and safety consequences. Limitations can include using a singular proxy value for safety and especially financial consequences, acknowledging that there can be a broad range of outcomes.

Description of the calculation procedure shown in the bow tie and high-level schematics

SCE takes two inputs, number of customers and outage duration, in combination with the financial and safety proxies to compute safety, reliability and financial consequences as described in Section 6.2.2. A PSPS vulnerability multiplier is applied to the safety component to factor in access and functional needs customers. The last step is to translate the consequences, in natural units of measurement, to a unitless MARS risk score using the MAVF framework.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

The consequence components of safety, reliability and financial can be presented individually or in aggregate at the circuit level.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

In addition to the improvements listed in Section 6.7, SCE will review feedback from the Wildfire Risk Modeling Working group and other stakeholder forums to assess key improvements or changes.

FRC7: Wildfire Vulnerability

Figure SCE B-21 - SCE's Wildfire Vulnerability Bow Tie Schematic

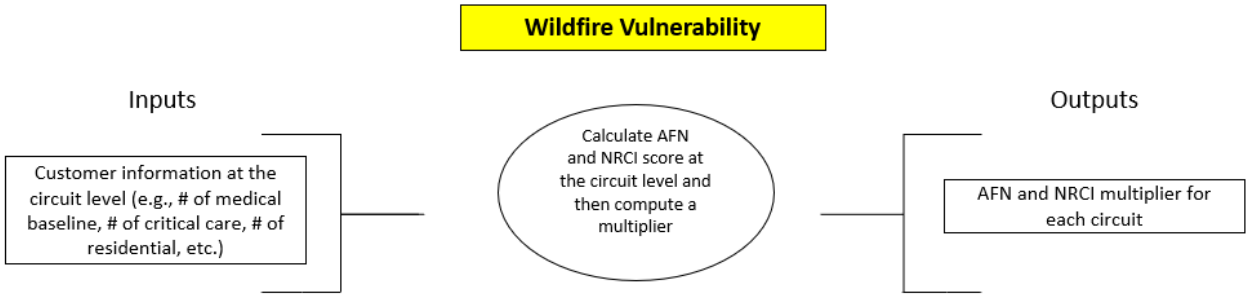
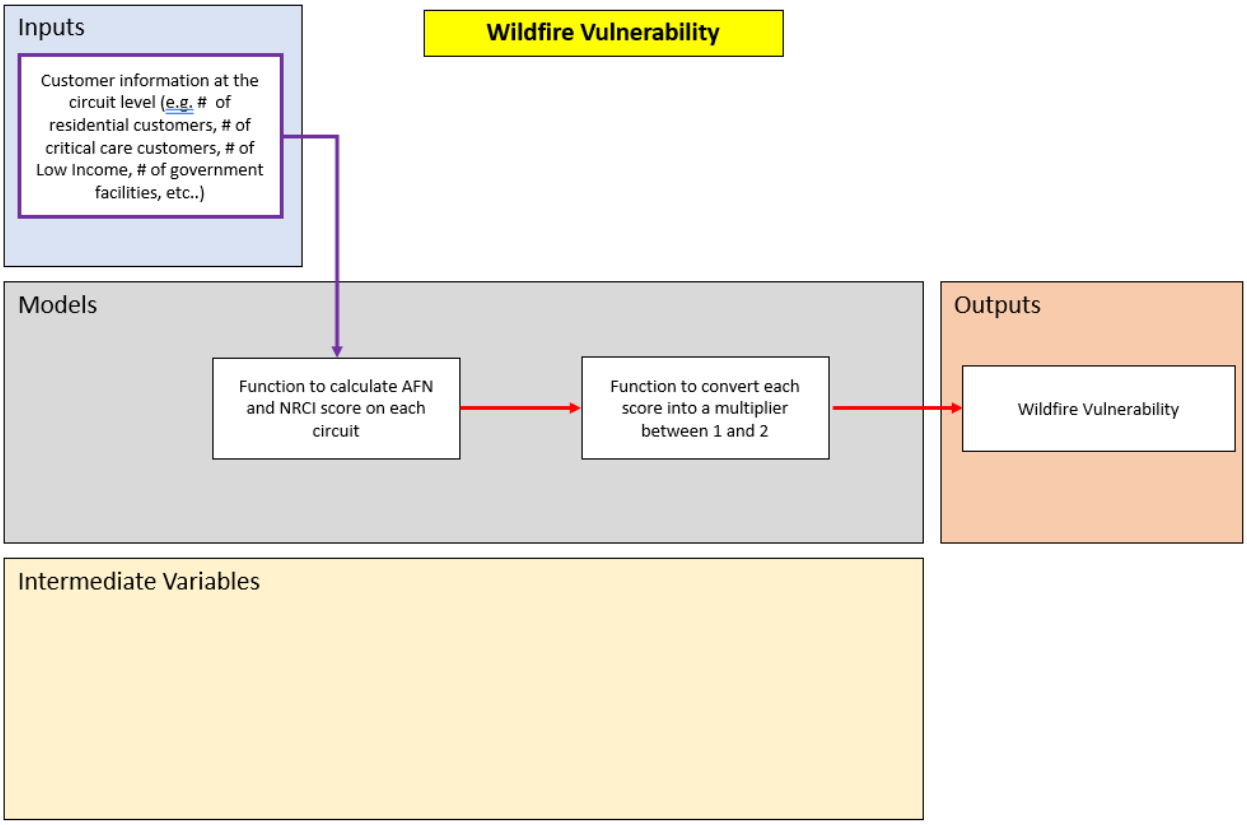


Figure SCE B-22 - SCE's Wildfire Vulnerability Calculation Procedure Schematic



Purpose of the calculation/model

Wildfire Vulnerability (FRC7) calculates the AFN/NRCI multiplier to be used as an amplifier to the Wildfire Safety consequence.

Assumptions and limitations

SCE assumes certain weightings for AFN characteristics (# of critical care, # of medical baseline, etc.) in its formulation of a composite score at the circuit level. Limitations may include availability to the latest data or data lag.

Description of the calculation procedure shown in the bow tie and high-level schematics

The methodology to calculate the multiplier is described in Section 6.2.2.2. SCE takes the composite score on each circuit and develops a multiplier for each circuit based on the calculation below:

$$AFN_{CircuitMultiplier} = 1 + \frac{AFN_{Score_circuit}}{AFN_{Score_MAX}}$$

A similar framework is used to develop the NRCI multiplier.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

The output is a multiplier that is used to amplify the Wildfire Safety Consequences. It is not viewed directly by decision makers because it is an intermediate calculation.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

In addition to the improvements listed in Section 6.7 , SCE will review feedback from the Wildfire Risk Modeling Working group and other stakeholder forums to assess key improvements or changes.

FRC8: PSPS Exposure Potential

Please see Section 6.2.1 for SCE's approach to this risk component.

FRC9: PSPS Vulnerability

Figure SCE B-23 - SCE's PSPS Vulnerability Bow Tie Schematic

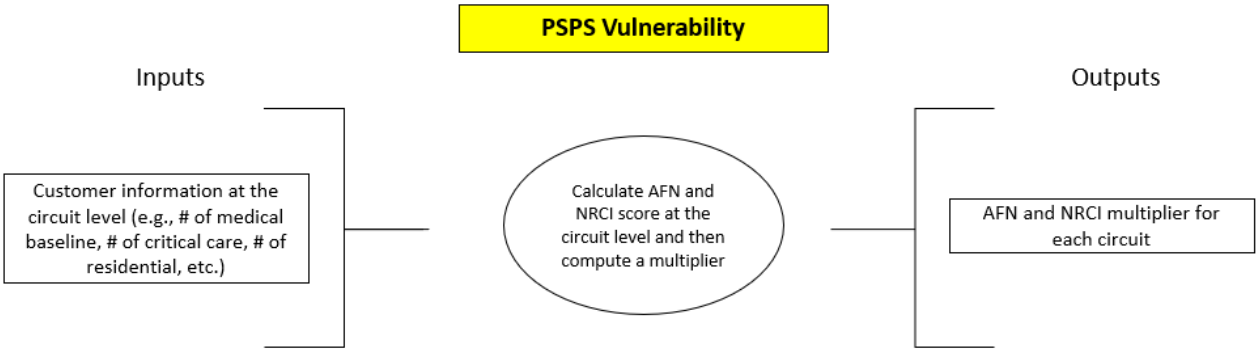
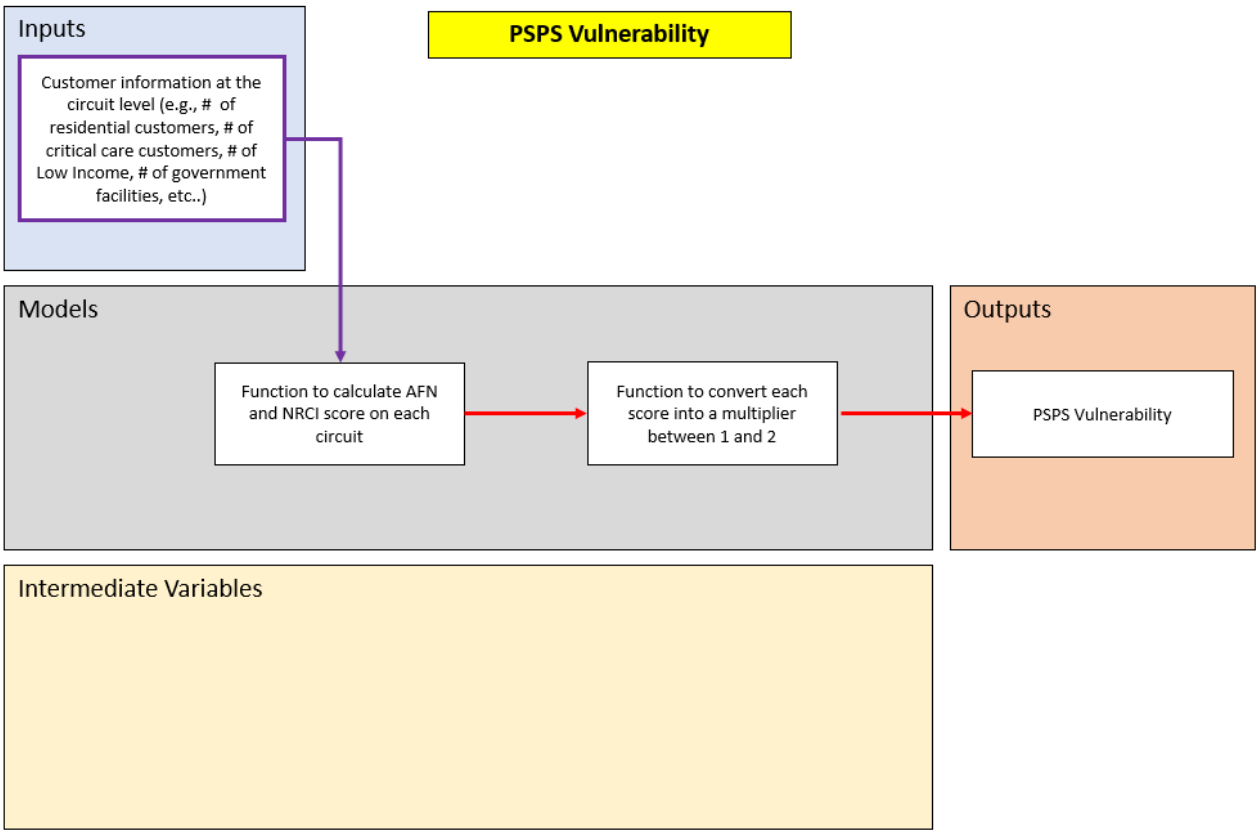


Figure SCE B-24 - SCE's PSPS Vulnerability Calculation Procedure Schematic



Purpose of the calculation/model

PSPS Vulnerability (FRC9) calculates the AFN/NRCI multiplier to be used as an amplifier to the PSPS Safety consequence.

Assumptions and limitations

SCE assumes certain weightings for AFN characteristics (# of critical care, # of medical baseline, etc.) in its formulation of a composite score at the circuit level. Limitations may include availability to the latest data or data lag.

Description of the calculation procedure shown in the bow tie and high-level schematics

The methodology to calculate the multiplier is described in Section 6.2.2.2. SCE takes the composite score on each circuit and develops a multiplier for each circuit based on the calculation below:

$$AFN_{CircuitMultiplier} = 1 + \frac{AFN_{Score_circuit}}{AFN_{Score_MAX}}$$

A similar framework is used to develop the NRCI multiplier.

Description of how outputs will be characterized and presented (e.g., visualization) to decision makers

The output is a multiplier that is used to amplify the PSPS Safety Consequences. It is not viewed directly by decision makers because it is an intermediate calculation.

Concise description and timeline of planned changes to the calculation procedure over the triennial WMP cycle, including any key improvements from the Energy Safety Wildfire Risk Modeling Working Group and plans to align with the consensus Risk Modeling Requirements by January 1, 2024.

In addition to the improvements listed in Section 6.7, SCE will review feedback from the Wildfire Risk Modeling Working group and other stakeholder forums to assess key improvements or changes.

APPENDIX C: ADDITIONAL MAPS

In this appendix, the electrical corporation must provide the additional maps required by the Guidelines. As stated in the General Directions, if any additional maps needed for clarity (e.g., the scale is insufficiently large to show useful detail), the electrical corporation must either provide those additional maps in this appendix or host applicable geospatial layers on a publicly accessible web viewer. If the electrical corporation chooses the latter option, it must refer to the specific web address in appropriate places throughout its WMP. Additionally, the electrical corporation must host these layers until the submission of its 2026-2028 WMP or until otherwise directed by Energy Safety. The electrical corporation may not modify these publicly available layers without cause or without notifying Energy Safety.

SCE provides additional maps for the following Section in the pages that follow.

Section	Section Title
5.1	Catastrophic Wildfire History

SCE provides spatial data in the zip file "WMP_2023_GIS_Layers.zip", which can be found at https://www.sce.com/safety/wild-fire-mitigation, for the following Section(s):

Section	Section Title	File Name
5.1	Service Territory	WMP_2023_5_1_Customer_Density
0	Individuals at Risk from Wildfire	WMP_2023_5_4_3_1_AFN_Customer_Density
5.4.4	Critical Facilities and Infrastructure at Risk from Wildfire	WMP_2023_5_4_4_Critical_Facilities_Density
6.4.1.1	Geospatial Maps of Top-Risk Areas within the HFRA	WMP_2023_6_4_4_1_Wildfire_Risk_Ranking_CONFIDENTIAL
9.1.2	Identification of Frequently De-energized Circuits	WMP_2023_9_1_2_PSPS_Frequently_DeEnergized_Circuits

SCE provides confidential spatial data in the zip file "WMP_2023_GIS_Layers_Confidential.zip" for the following Section(s):

Section	Section Title	File Name
6.4.1.1	Geospatial Maps of Top-Risk Areas within the HFRA	WMP_2023_6_4_4_1_Wildfire_Risk_Ranking_CONFIDENTIAL

5.3.2 Catastrophic Wildfire History

In addition to the catastrophic wildfires map provided in Section 5.3.2, SCE provides 12 maps reflecting individual catastrophic wildfire below. The source data for the 12 maps are from data CAL Fire and Resource Assessment Program (FRAP) GIS Database (https://frap.fire.ca.gov/mapping/gis-data/)

Figure SCE C-01 - Catastrophic Wildfire History Map (Ranch Fire)

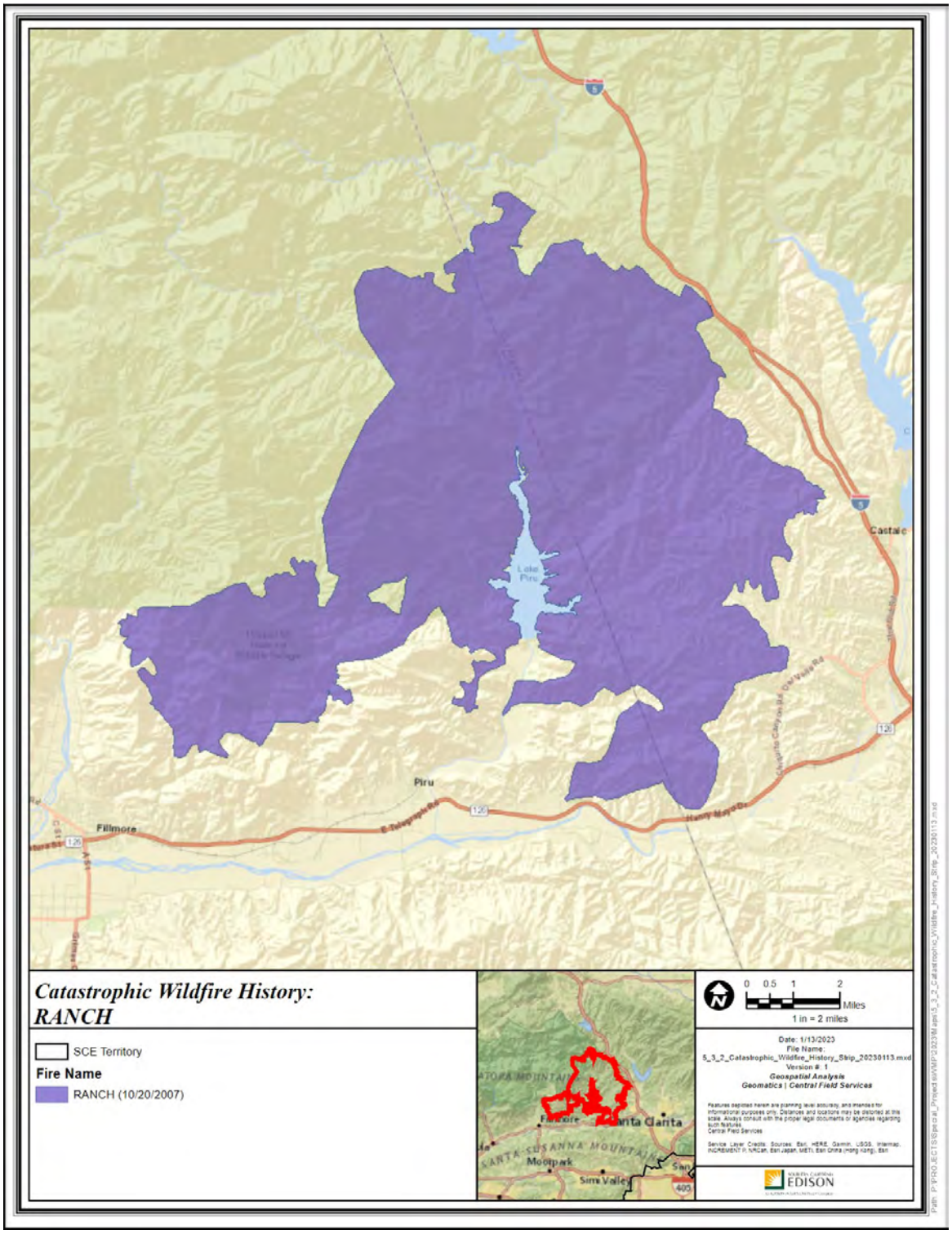


Figure SCE C-02 - Catastrophic Wildfire History Map (Sayre Fire)

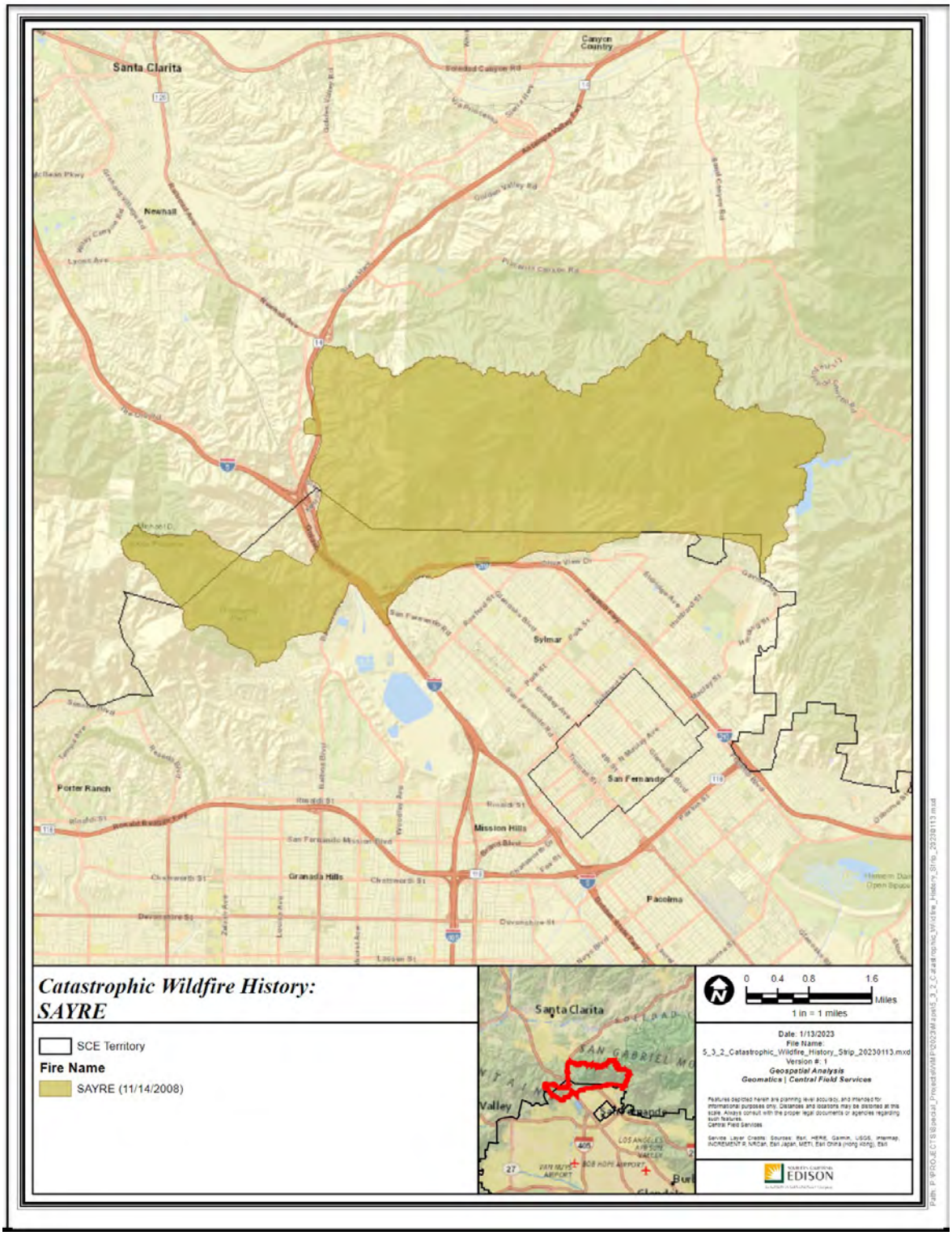


Figure SCE C-03 - Catastrophic Wildfire History Map (Round Fire)

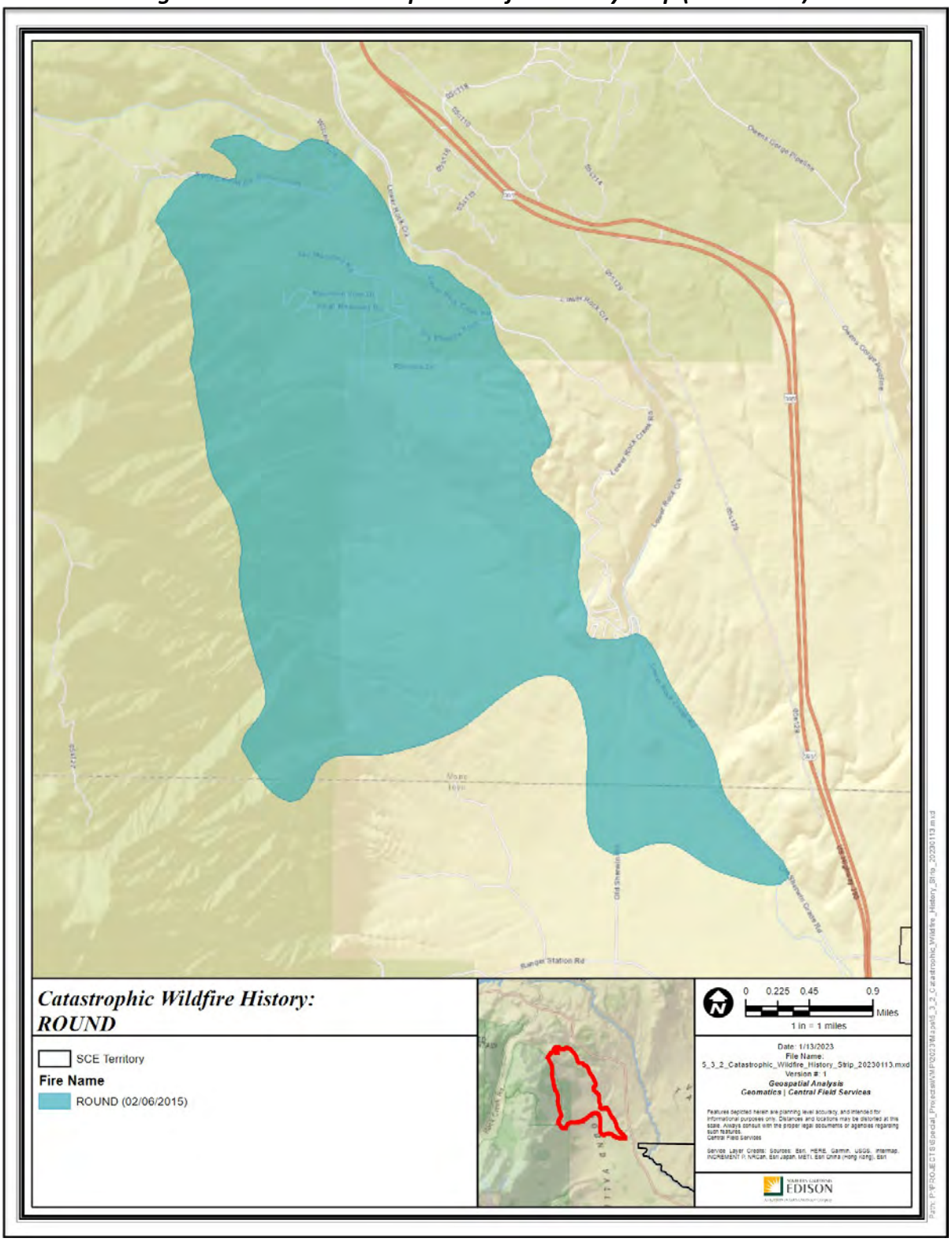


Figure SCE C-04 - Catastrophic Wildfire History Map (Rey Fire)

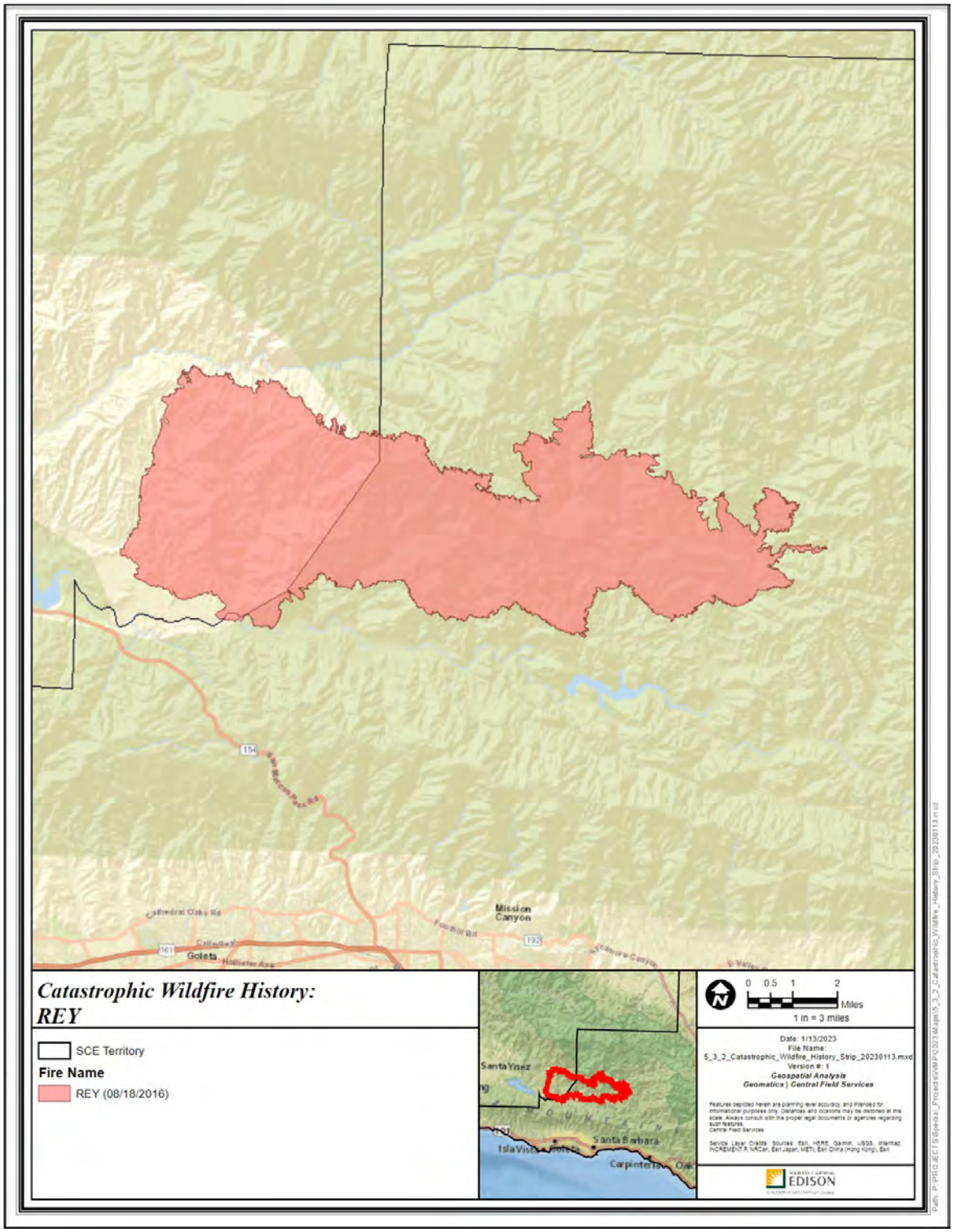


Figure SCE C-05 - Catastrophic Wildfire History Map (Thomas/Koenigstein Fire)

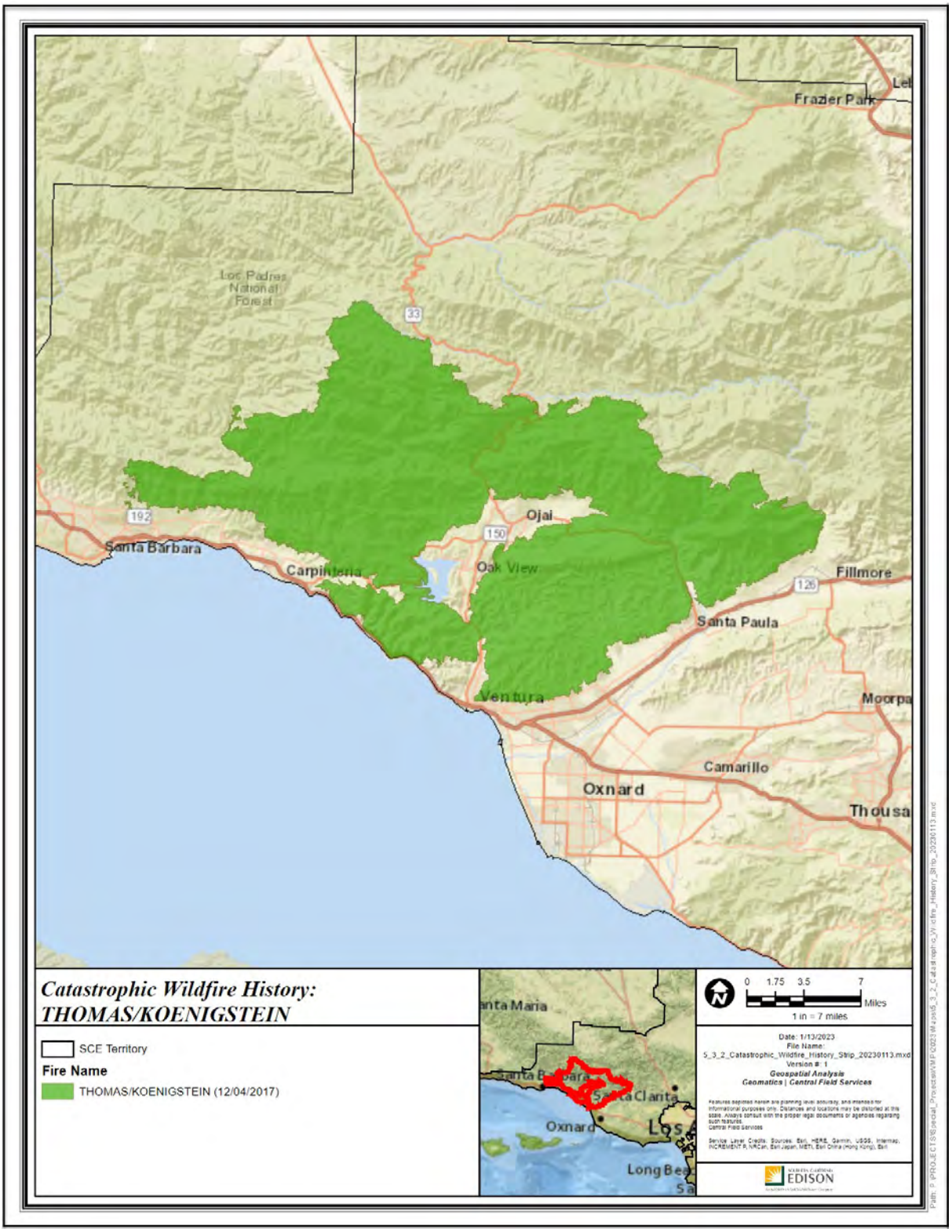


Figure SCE C-06 - Catastrophic Wildfire History Map (Creek Fire)

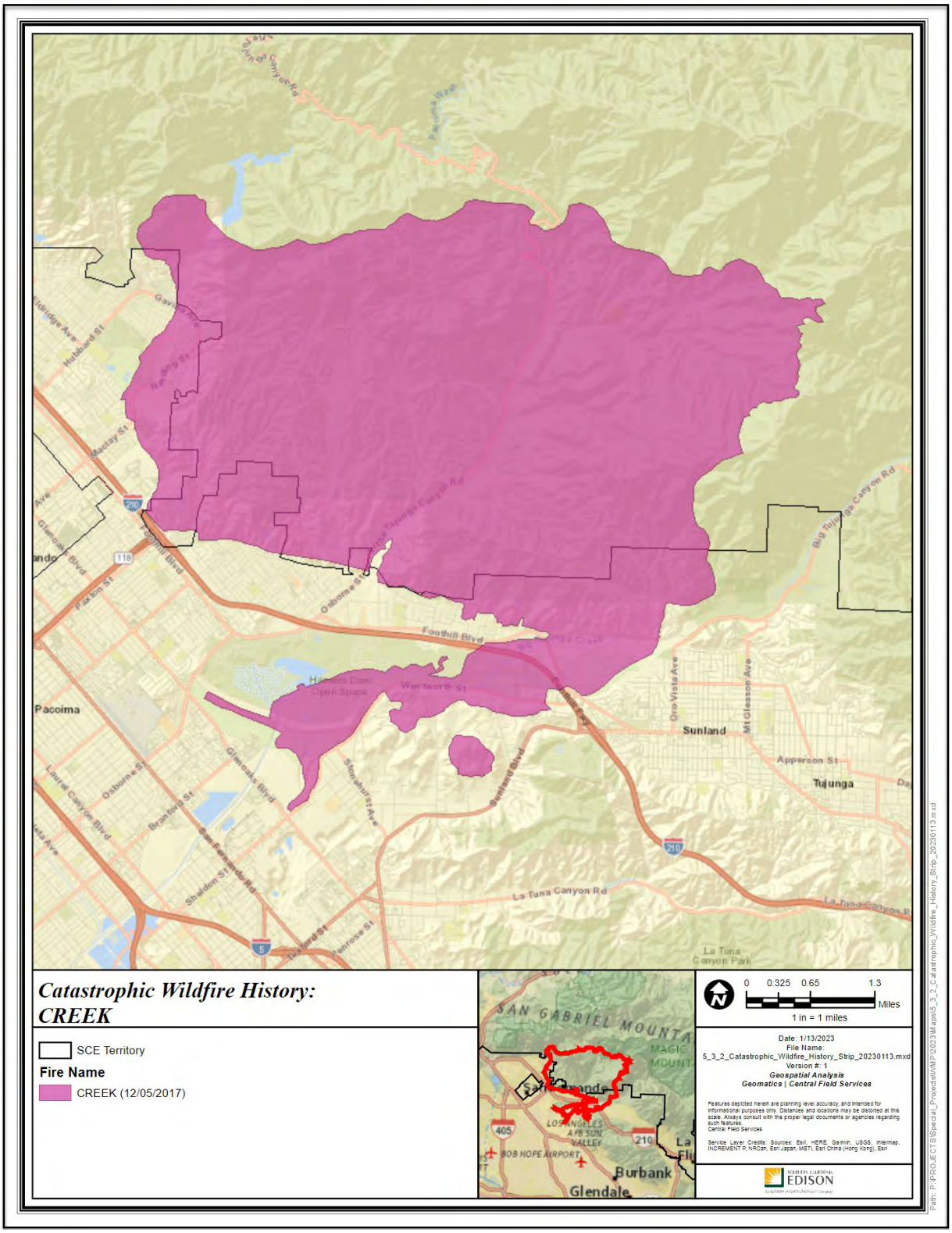


Figure SCE C-07 - Catastrophic Wildfire History Map (Rye Fire)

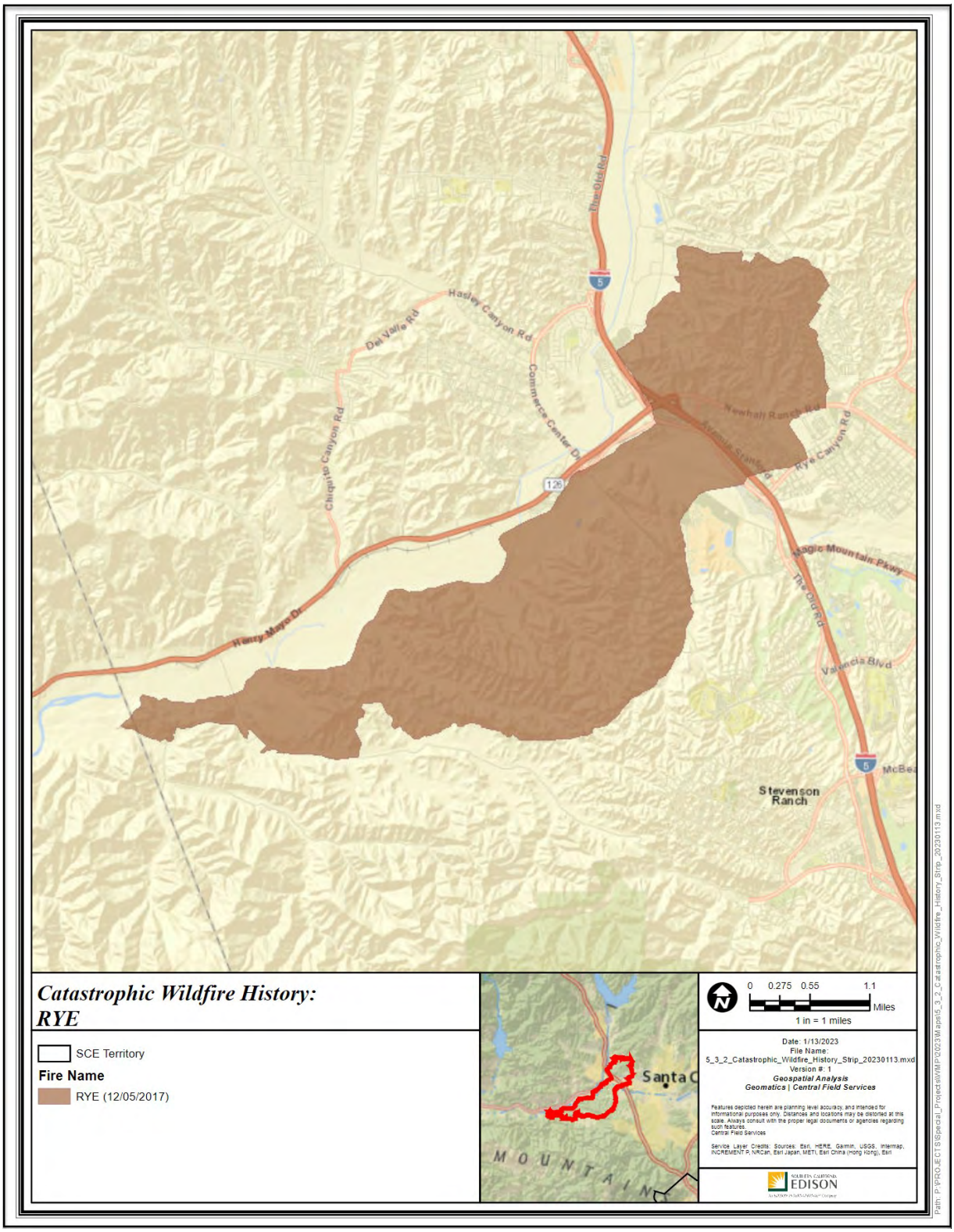


Figure SCE C-08 - Catastrophic Wildfire History Map (Woolsey Fire)

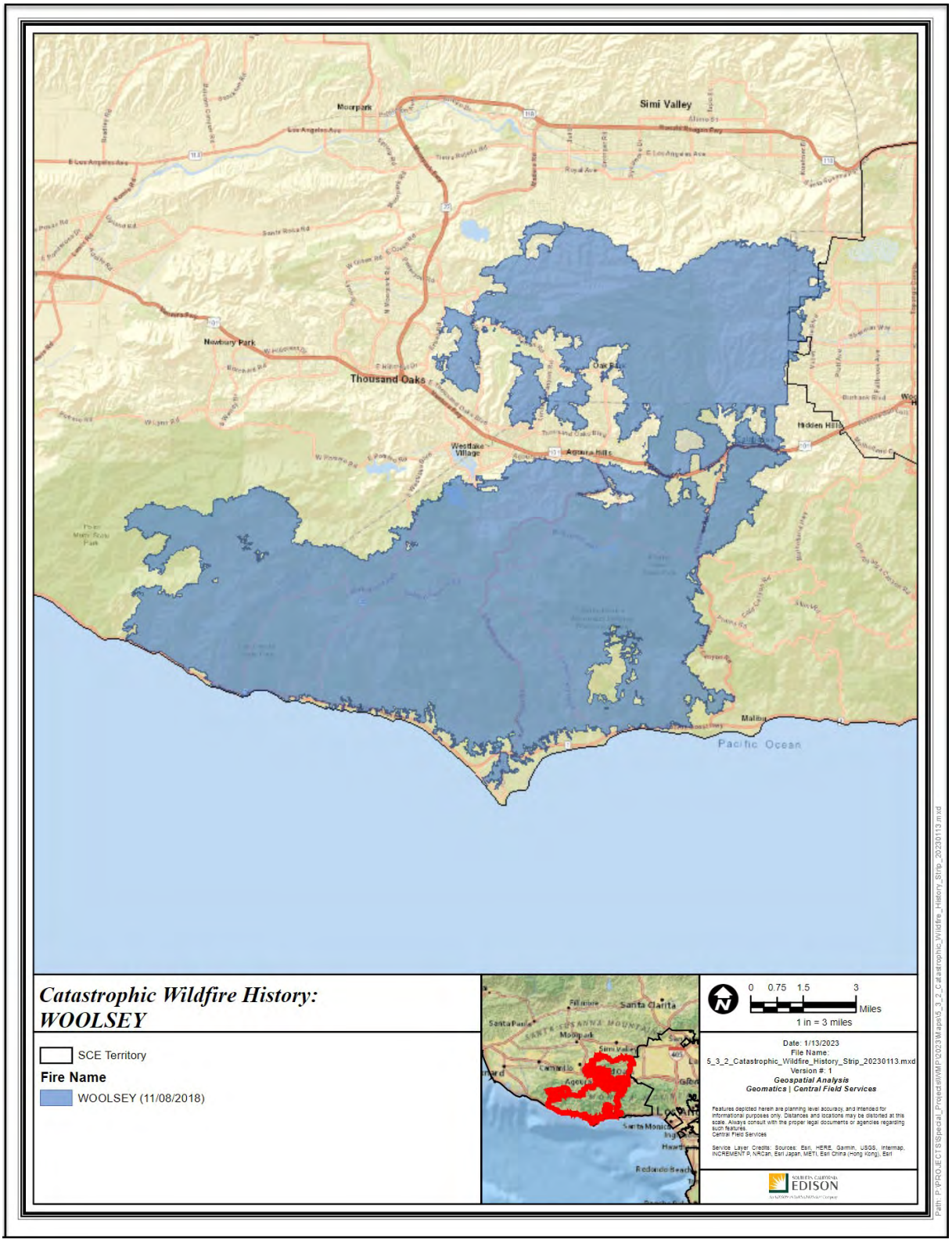


Figure SCE C-09 - Catastrophic Wildfire History Map (Saddle Ridge Fire)

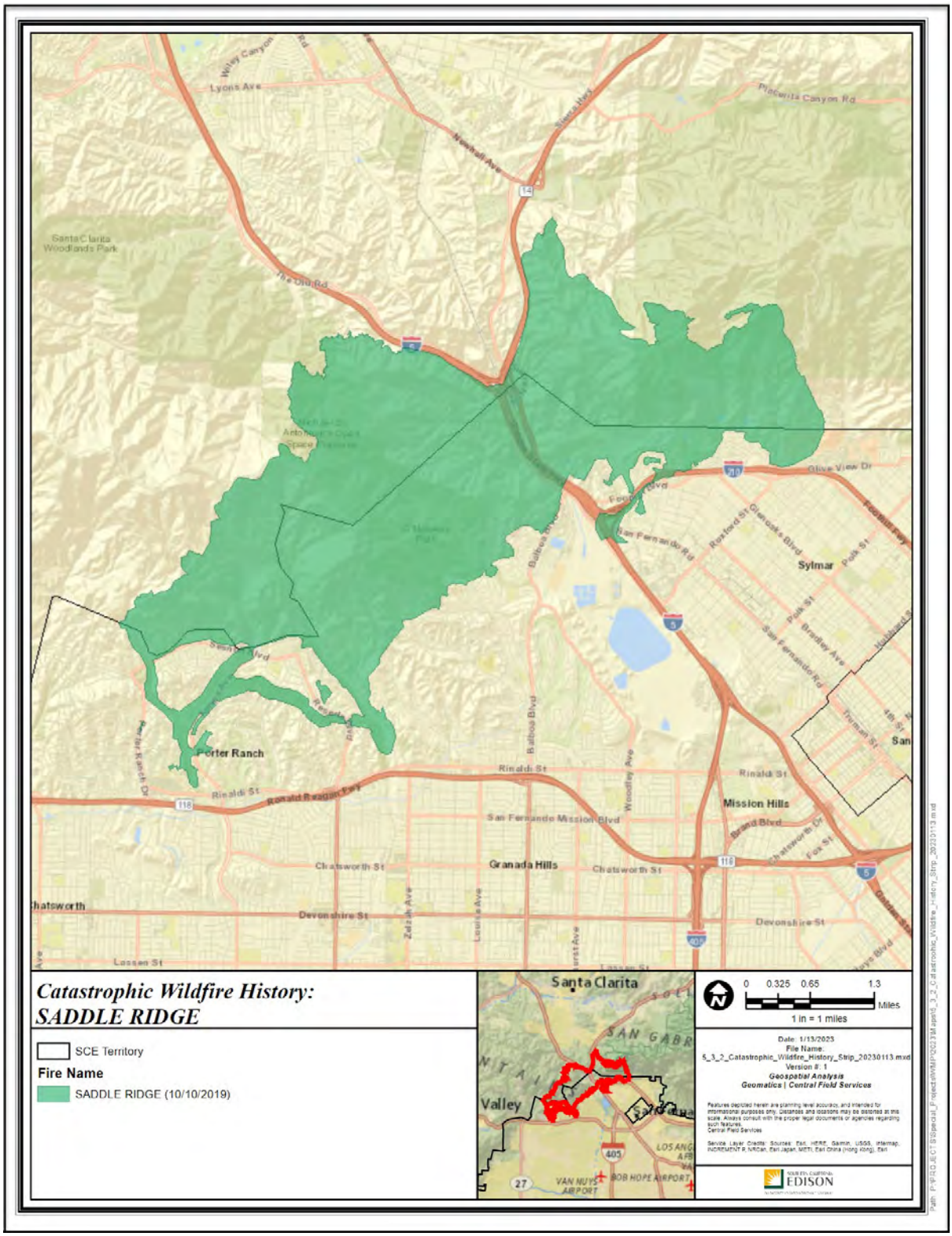


Figure SCE C-10 - Catastrophic Wildfire History Map (Bobcat Fire)

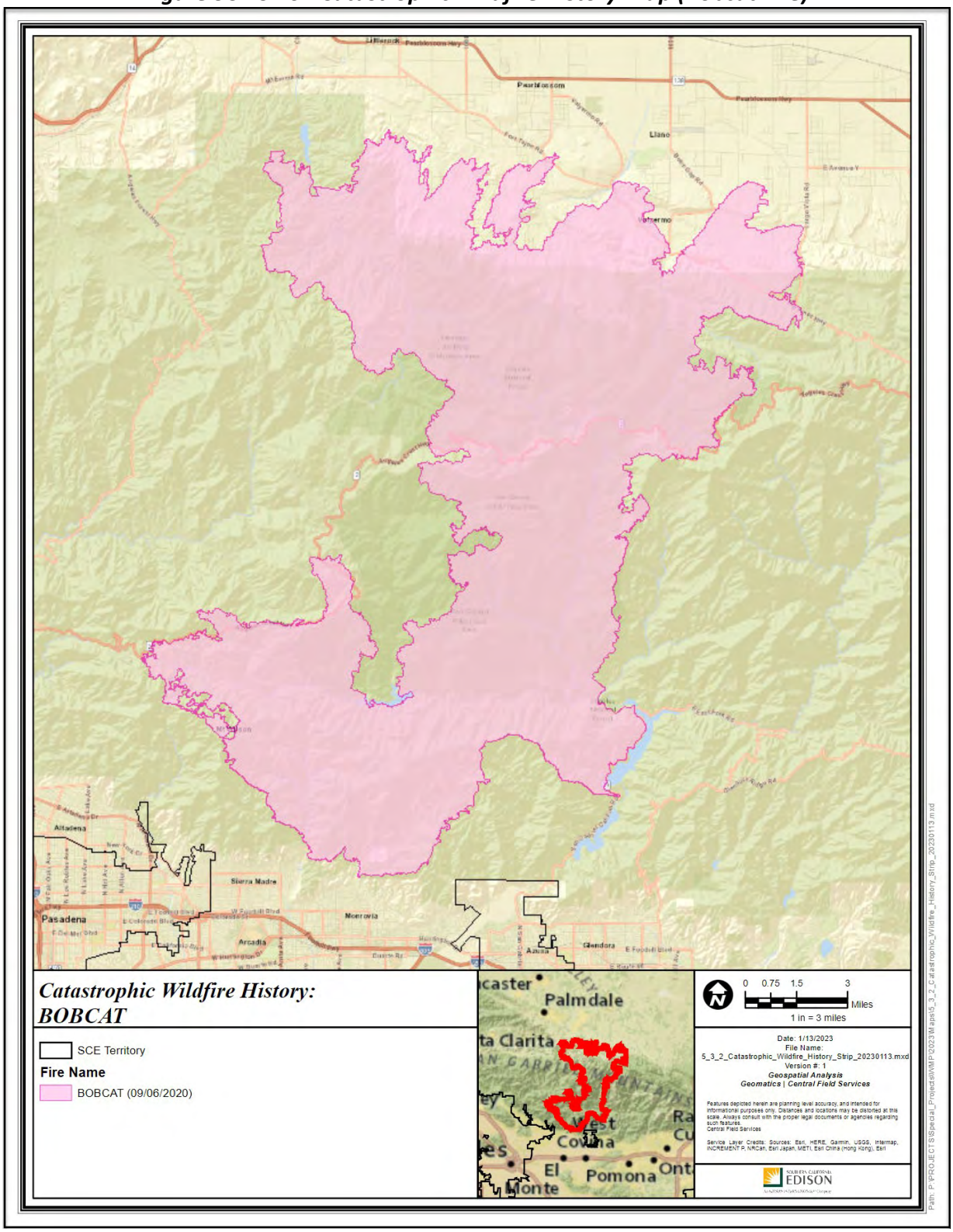


Figure SCE C-11 - Catastrophic Wildfire History Map (Silverado Fire)

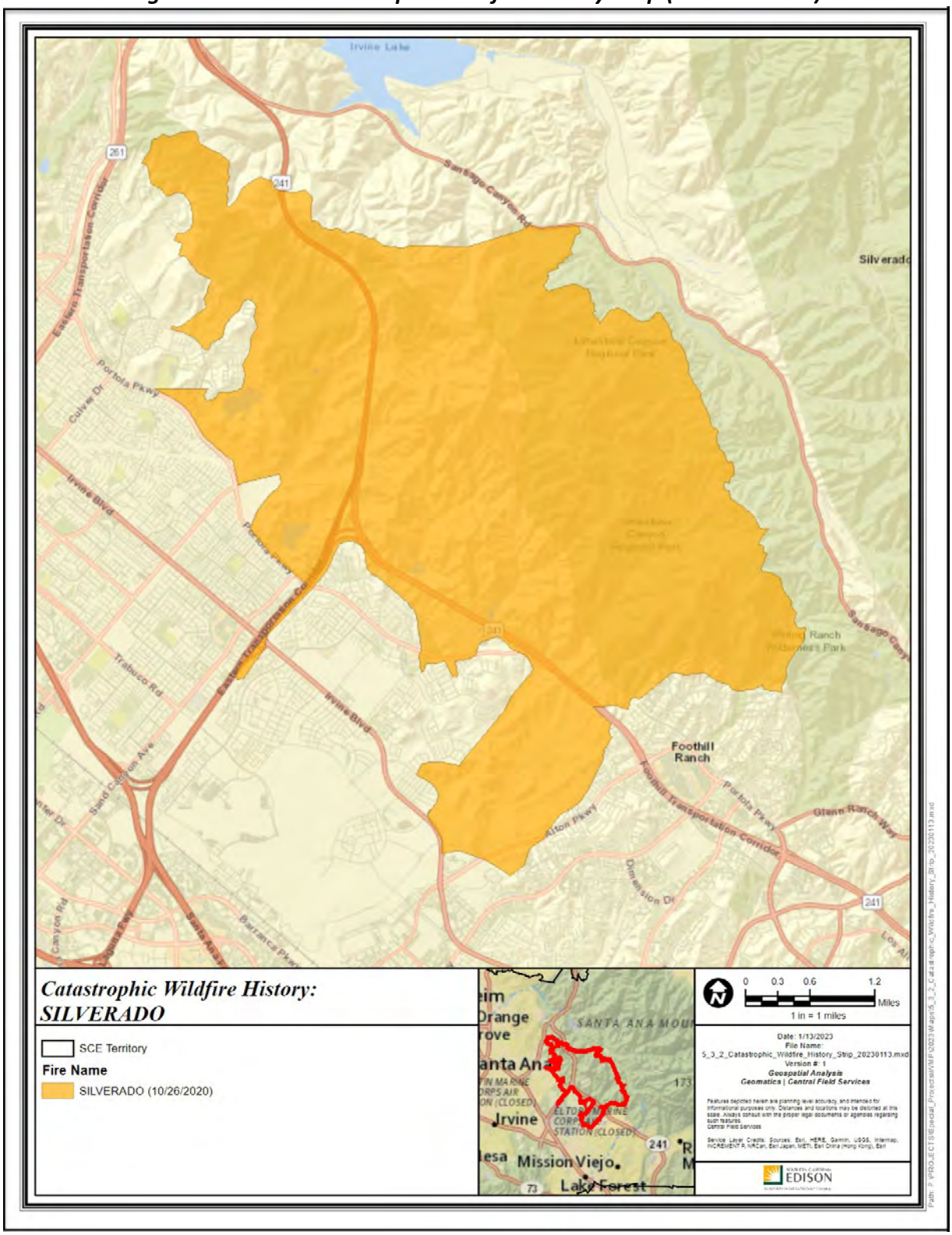
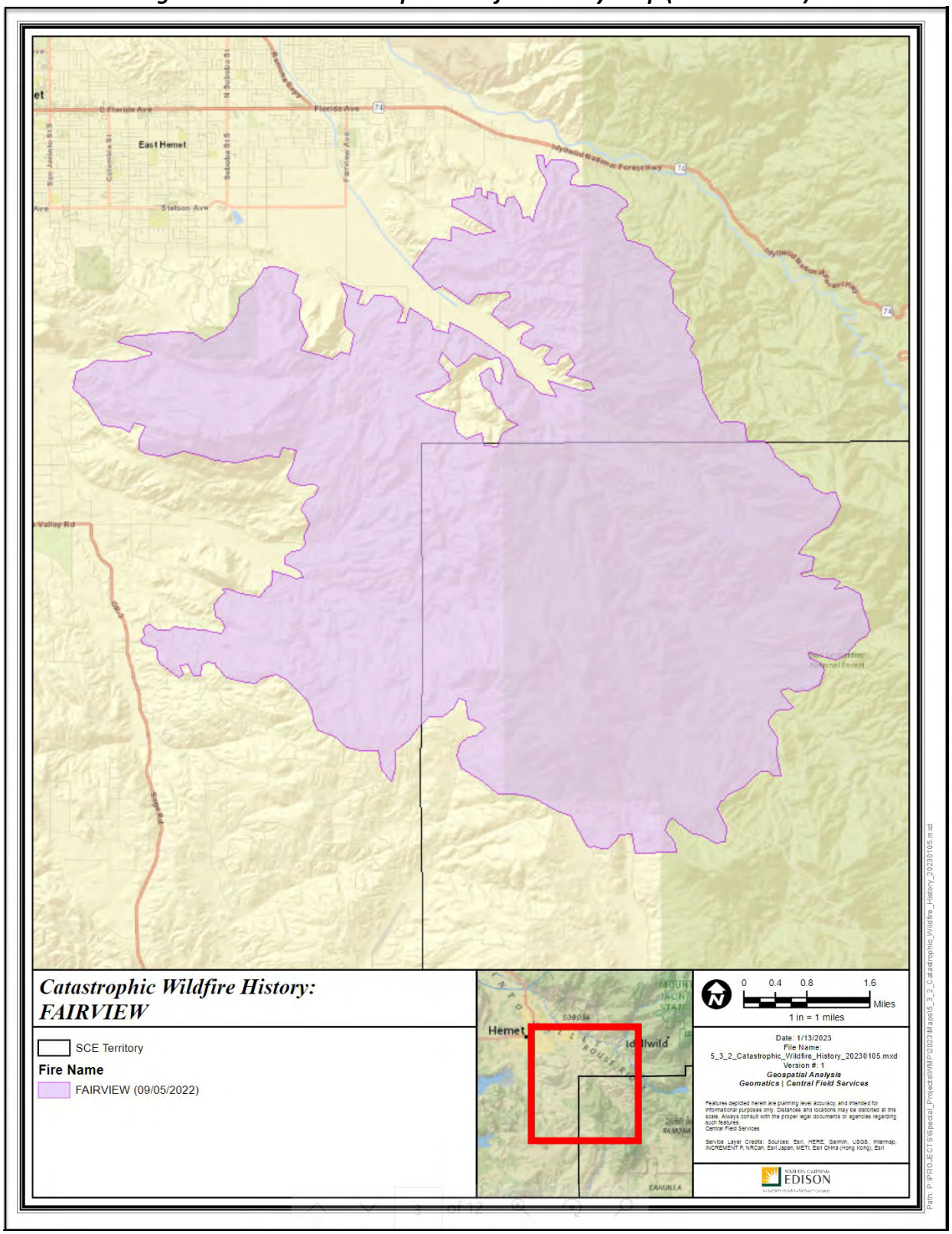


Figure SCE C-12 - Catastrophic Wildfire History Map (Fairview Fire)



APPENDIX D: AREAS FOR CONTINUED IMPROVEMENT

In this appendix, the electrical corporation must provide responses to its areas for continued improvement as identified in the Decisions on the 2022 WMP Updates in the following format: Code and Title; Description; Required Progress; [Electrical Corporation] Response.

SCE-22-01 Prioritized List of Wildfire Risks and Drivers

***Description**: Currently, SCE's prioritized list of wildfire risks and drivers (Table 4-6) weights the risk drivers by average outage multiplied by ignition rate; it does not account for the likelihood of the ignition to cause a catastrophic wildfire.*

***Required Progress:** In its 2023 WMP, SCE must further refine its prioritized list of wildfire risks and drivers. It must do so by weighting each risk driver by likelihood of causing a catastrophic wildfire (e.g., does this ignition tend to happen in high wildfire risk areas identified by SCE's risk models, including the HFTD).*

SCE's Response

As described in Section 6 and Appendix B, SCE's Probability of Ignition (POI) model uses advanced predictive analytics and machine learning techniques to model and forecast potential ignitions at thousands of unique utility asset locations. This model includes asset-specific failure modes and predicts ignition probabilities using three-years historical data.

The potential for ignitions to develop into a catastrophic wildfire is primarily determined by local conditions at the point of ignition, such as vegetation, moisture, topography, and wind. SCE's Wildfire Consequence model uses this data, along with an extensive data set of 444 historical weather days, to model how an ignition might progress given a unique assumed starting point.

SCE is not able to control external environmental factors, such as moisture, topography, wind, and suppression response, which drive fire propagation and development into catastrophic wildfire. SCE also cannot control the deployment, timing, and scale of fire suppression, which also factors into the growth of fires. However, SCE can influence the potential of ignitions started from SCE lines and equipment by performing grid hardening, such as covered conductor and targeted undergrounding, to reduce the likelihood of sparks and ignitions associated with SCE's infrastructure.

SCE notes that its POI model uses both historical ignition and asset failure information, along with machine learning. First, the machine learning models build probability of failure (POF) models for various drivers that may lead to equipment failures and subsequently lead to ignitions. Next a calibration of the POF to POI based on how often an asset failure may transition into an ignition.

SCE's approach considers unique, asset-specific failure modes, the potential for those failures to develop into ignitions, and then a highly localized fire spread model. For those reasons, SCE believes that its ignition and wildfire consequence modeling appropriately accounts for the potential for ignitions to develop into catastrophic wires.

SCE-22-02 Collaboration and Research in Best Practices in Relation to Climate Change Impacts and Wildfire Risk & Consequence Modeling

Description: *SCE and the other large IOUs are currently pursuing their own efforts at integrating the potential impacts of climate change in their risk and consequence modeling. They are not actively collaborating with each other on these efforts nor taking advantage of the existing climate change modeling expertise of state agencies and academic institutions.*

Required Progress: *Prior to the submission of their 2023 WMPs, all electrical corporations (not including independent transmission operators) must participate in an Energy Safety-led scoping meeting to discuss how utilities can best learn from each other, external agencies, and outside experts. In addition, the climate change and risk modeling scoping meeting will identify future topics to explore regarding climate change modeling and impacts relating to wildfire risk. This scoping meeting may result in additional meetings or workshops or the formation a working group. Energy Safety will provide additional details on the specifics of this scoping meeting in due course.*

SCE's Response

As of this writing, SCE has engaged and participated in all Energy Safety workshops and activities related to this topic, including the Risk Model Working Group (RMWG).

SCE-22-03 Three-Year Objectives and Supporting Programs' Performance Targets

Description: *SCE's 2022 Update did not include any quantitative targets for WMP mitigation measures that would contribute to reaching its stated three-- year objectives.*

Required Progress: *SCE must include the near-term and three-year objectives related program performance targets, whether quantitative or qualitative, into Table 5.3-1 (or its successor in the 2023 Guidelines). This integration must include program performance targets through the end of 2025.*

SCE's Response:

SCE has provided all tables related to this ACI in its 2023-2025 WMP:

- WMP Plan Objective (Section 4.2)
- and 10 year objectives (see Sections 8 and 9)
- Program Targets (see Sections 8 and 9)

SCE-22-04 Inclusion of Community Vulnerability in Consequence Modeling

Description: *SCE does not adequately include the impacts of wildfire on communities, including considerations of community vulnerability, within consequence modeling.*

Required Progress: *Prior to the submission of their 2023 WMPs, all electrical corporations (not including independent transmission operators) must participate in an Energy Safety-led scoping meeting to discuss how to best learn from each other, external agencies and outside experts. In addition, the community vulnerability scoping meeting will identify future topics to explore regarding integration of community vulnerability into consequence modeling and impacts relating to wildfire risk. This scoping meeting may result in an additional meetings or workshops or the formation of a working group. Energy Safety will provide additional details on the specifics of this scoping meeting in due course.*

SCE's Response

SCE is awaiting details on the scoping meeting from Energy Safety and will engage when those details have been released.

Please also see the response to ACI SCE-22-02 regarding SCE's participation in Risk Model RMWG meetings.

Finally, please see Section 6.2.1 and 6.2.2, which describes how SCE models the risk components of Wildfire Vulnerability and PSPS Vulnerability.

SCE-22-05 Fire Suppression Considerations

Description: *SCE's fire spread modeling does not currently factor in fire suppression effects (e.g., fire department efforts).*

Required Progress: *Prior to the submission of its 2023 WMP, SCE must work with other utilities to evaluate how to best account for, quantify, and model suppression effects on wildfire spread. Further guidance will be determined and covered during the risk model working group meetings established by Energy Safety's 2021 WMP Action Statements, including participation from CAL FIRE.*

SCE's Response

As noted in the response to SCE-22-03, SCE continues to actively participate in the Risk Model Working Group (RMWG), which SCE understands will address this topic.

SCE-22-06 Ignition Risk Reduction

Description: *From 2020 to 2021, SCE reported an increase in total ignition rates, particularly from wire-to-wire contacts.*

Required Progress: *In SCE's 2023 WMP, SCE must:*

- Analyze root causes and trends for the increases in ignitions broken down by sub-driver, including wire-to-wire contacts.

- Provide SCE's plans to address increases in ignition rates broken down by risk drivers and sub-drivers, including efforts to address the root cause(s) outside of routine or program-level WMP initiatives.

- Describe and quantify how SCE anticipates covered conductor and undergrounding initiatives will impact expected ignitions due to conductor damage or failure.

Required Progress #1:

Analyze root causes and trends for the increases in ignitions broken down by sub-driver, including wire-to-wire contacts.

SCE's Response:

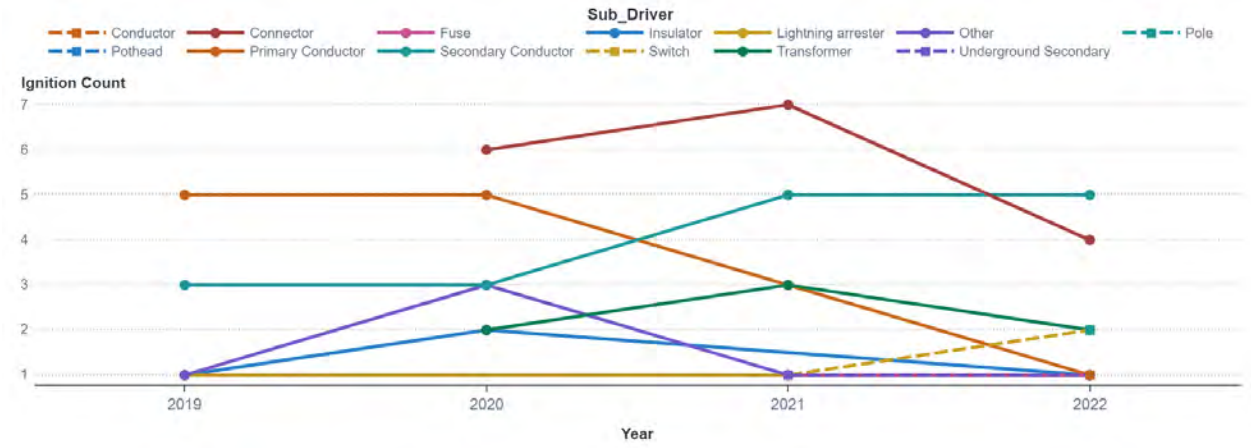
As part of its Fire Investigation Preliminary Analysis (FIPA) process, SCE engineers evaluate causes and risk drivers for ignition events within SCE's service territory. Since the launch of SCE's FIPA process, SCE has improved the process and the information collected. For more information on and improvements made to the FIPA process see Section 11.

The two charts below present SCE's current analysis of trends at the sub-driver level within SCE's HFRA. *Figure ACI-06-01* shows data for Equipment and Facility Failure (EFF), while Figure ACI 06-02 presents data for Contact from Object (CFO) including wire-to-wire (W2W) as a sub-driver under this category.

SCE notes that year-to-year changes in ignitions may be due to external conditions that are independent from SCE's wildfire mitigation activities. As a hypothetical example, a relatively dry year may feature more ignitions because of fuel receptivity, and thus may not necessarily indicate inherent deficiencies in mitigation activities or other utility practices. SCE performs robust ignition analysis to better understand and improve its understanding of wildfire risk and mitigation development but notes that indicators such as acres burned, and structures are more appropriate for medium and longer-term evaluations.

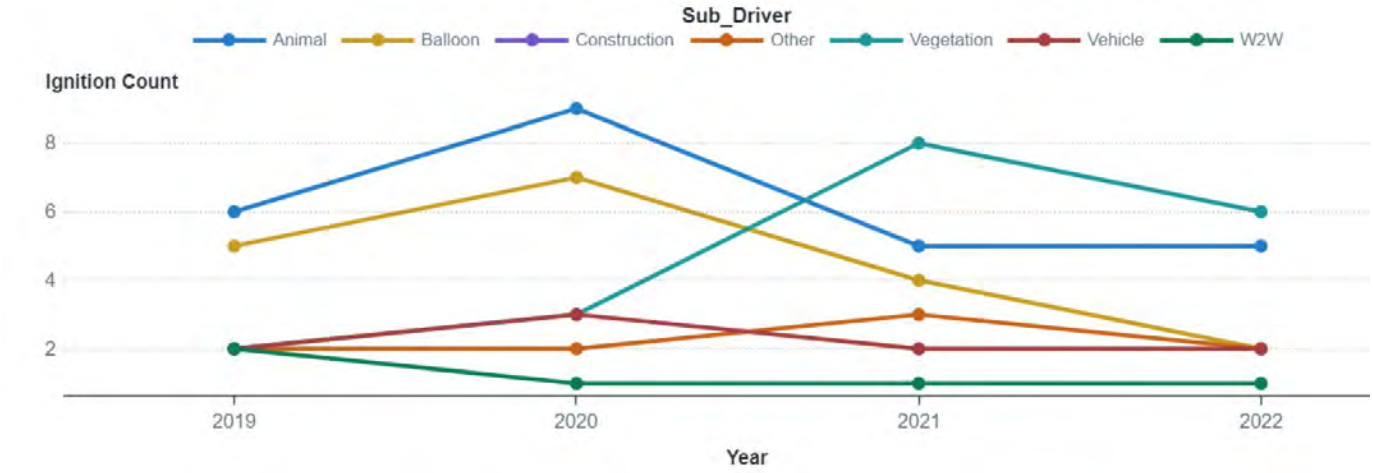
Ignitions caused by switches saw a slight increase since 2021 in most part due to installation-related issues. To mitigate, SCE has been working on a more stringent process in order to assure all pieces of the switch mechanism are properly inspected prior to completing the installation. Switches have many components that are essential to operation, and these need additional scrutiny when assessing if the equipment is seated correctly and constructed properly. Additionally, SCE is in the process of incorporating lessons learned from the switch failures into its High Fire Risk Informed Inspection form to add more clarity to the inspectors on potential failure modes of switches.

Figure ACI-06-01 - Annual Ignition Counts by EFF Sub-Drivers (HFRA only), 2019-2022



Regarding Figure ACI-06-022, for CFO caused ignitions, as noted above, ignitions may vary year over year for factors outside of SCE's control. SCE notes that balloon, W2W, and animal caused ignitions have decreased since 2020, which appears to be primarily driven by SCE's covered conductor program.

Figure ACI-06-02 - Annual Ignition Counts by CFO Sub-Drivers (HFRA only), 2019-2022



Required Progress #2:

Provide SCE's plans to address increases in ignition rates broken down by risk drivers and sub-drivers, including efforts to address the root cause(s) outside of routine or program-level WMP initiatives.

SCE's Response

Regarding wire-to-wire related ignitions, although there has not been an increase as shown above in Figure ACI-06-02, SCE has continued with the installation of covered conductor, as well as the long span initiative Please see section 8.1.2.5.2 for more information on the long span initiative.

Figure ACI-06-01 above shows that connector-related ignitions have had a small increase from six in 2020 to seven in 2021 followed by a decrease to three in 2022. SCE's mitigation approaches towards reducing connector-related ignitions include: (1) covered conductor, which replaces existing connectors during the installation, (2) infrared scanning of overhead facilities, which identifies connectors with elevated temperatures for replacement, and (3) new technology evaluation of Early Fault Detection

(EFD), which identify degraded connections that produce radio frequency emissions, for replacement.

Transformer caused ignitions increased in 2022 when compared to 2021 and earlier. This is mainly due to the extended heat wave during the summer of 2022, which lasted for approximately two weeks and required transformers to maintain consistently high loading with minimal opportunities for cooling due to persistently high temperatures. SCE continues to evaluate this issue and potential mitigations.

The CFO sub-driver chart shown in Figure ACI-06-02 above demonstrates that vehicle-caused ignitions remain flat from year to year, with vegetation-related ignitions relatively stable when comparing 2022 to 2021. Balloon-related ignitions dropped from previous years, partly due to covered conductor installations.

SCE has seen an increasing trend of animal-related ignitions, which have been mainly driven by nesting birds. SCE is evaluating options to obtain expedited environmental clearances to address bird nesting issues and the deployment of nesting platforms which will move the bird nest to a location off the utility structure.

Required Progress #3:

Describe and quantify how SCE anticipates covered conductor and undergrounding initiatives will impact expected ignitions due to conductor damage or failure.

Response to SCE-22-06 Required Progress #3:

SCE performed an analysis of covered conductor installations from 2019 to 2022. This analysis indicates that covered conductor experiences approximately 70% fewer ignitions per mile relative to bare conductor. The methodology utilized for the analysis includes comparing ignition incidents per mile of bare conductor and covered conductor.

Furthermore, based on SME judgment, SCE estimates undergrounding is approximately 95% effective at mitigating ignition risk relative to bare conductor. Collectively, we expect covered conductor and underground initiatives to help reduce ignitions. Please also see Section 7.1.4, which describes SCE's mitigation selection process, including evaluations of mitigation effectiveness.

SCE-22-07 Wildfire Consequence Modeling Improvements

Description: *SCE does not use its wildfire consequence modeling as a tool to model potential ignitions in near real-time as faults/outages occur in the HFTD*

Required Progress: *In its 2023 WMP, SCE must discuss how it explored the use of its wildfire consequence modeling and/or developed processes to prioritize, and respond to the locations of faults/outages in the HFTD as they happen.*

SCE's Response

In 2022, SCE implemented a system in its Distribution Operations Centers to prioritize responding to hazards and outages in HFRA. As hazards and outages occur on SCE's system, an algorithm cross references meter data with its associated transformer to verify its location in HFRA. SCE's Distribution Operations Centers use this information to prioritize dispatching troublemen to hazards and outages in HFRA. Dispatchers also have HFTD tier information to further prioritize responses, if necessary.

SCE is considering the use of more granular consequence modeling and incorporating it into an automated system like HERMES. However, the cost-benefit of such a solution is unclear, given that SCE already prioritizes responding to hazards and outages in HFRA.

SCE-22-08 Weather Station Improvements

Description: *SCE weather station observation intervals are not reported as frequently as peer utilities.*

Required Progress: *SCE must improve its weather station observation intervals to collect weather data more frequently than six times per hour. In its 2023 WMP SCE must improve the frequency that data is collected from its weather station network to match that of its peers. If unable to increase the data collection from its weather station network to that of its peers, SCE must present a plan to develop that functionality in its 2023 WMP.*

SCE's Response

SCE can receive 30-second (effectively real time) reads on a portion of its weather station network, and piloted this functionality during PSPS events in 2022. Stations with this capability must have cellular communication modems (currently 866 stations out of 1,620 as of January 2023).

SCE anticipates adding approximately 85 stations with the ability to relay data via cellular communications and retrofit approximately 400 satellite-only stations into dual communication stations in 2023, pending cellular network availability at those sites, providing these stations with the capability to receive more frequent reads. Not every satellite station will be able to be converted to dual communications due to a lack of cellular reception. SCE will conduct an analysis at the end of 2023 to determine how many of the remaining stations can be converted.

When SCE tested the 30 second read functionality during PSPS activations in 2022, and within the scope of the weather stations utilized, it did not encounter major technical challenges with the ability of the weather stations to provide 30 second data.

In 2023, SCE plans on continuing to test more frequent reads during PSPS activations to test how the data can be used in varying event sizes. SCE will also assess whether the increased data reads can help SCE improve its decision-making regarding when to de-energize customers, improve its assessment of real time field conditions, and enhance re-energization timeline and process. SCE will also evaluate if its systems are able to process and analyze the increased data load.

In the interim, SCE plans to continue to read data at 10-minute intervals. The World Meteorological Organization recommends measuring the wind gust speed as a 3-second maximum during a 10-minute sampling period for accurate wind gust measurement (https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5948875/).

SCE-22-09 Joint Covered Conductor Lessons Learned

Description: *SCE has yet to provide goals and timelines for implementing lessons learned from the covered conductor joint effectiveness study.*

Required Progress: *In its 2023 WMP, SCE must:*
- Provide a concrete list of goals with planned dates of implementation for any lessons learned in the covered conductor effectiveness joint study.
- Provide a table indicating which WMP sections include changes (compared to its 2021 and 2022 Updates) as a result of the covered conductor effectiveness joint study. This should include, but not be limited to:
— Changes made to covered conductor effectiveness calculations.
— Changes made to initiative selection based on effectiveness and benchmarking across alternatives.
— Inclusion of rapid earth fault current limiter (REFCL), open phase detection (OPD), early fault detection (EFD), and distribution fault anticipation (DFA) as alternatives, including for PSPS considerations.
— Changes made to cost impacts and drivers.
— An update on data sharing across utilities on measured effectiveness of covered conductor in-field and pilot results, including collective evaluation.

Required Progress #1

Provide a concrete list of goals with planned dates of implementation for any lessons learned in the covered conductor effectiveness joint study.

SCE's Response

SCE is leading the Joint IOU Covered Conductor Effectiveness Working Group and the utilities continue to make progress on the objectives. The utilities progress on these efforts is described in the Joint IOU Working Group Report in Appendix F. The utilities have set forth a plan for 2023 to conduct several workshops to assess covered conductor testing results, maintenance and inspection practices, new technologies, and other items. As discussed below, the primary lessons learned resulting from the study thus far has been the increase in effectiveness of covered conductor, which SCE has incorporated into its risk analysis for this WMP.

Please see Appendix F for the progress report on the Joint IOU Covered Conductor Effectiveness Group that addresses lessons learned.

Required Progress #2

Provide a table indicating which WMP sections include changes (compared to its 2021 and 2022 Updates) as a result of the covered conductor effectiveness joint study. This should include, but not be limited to:
— Changes made to covered conductor effectiveness calculations.
— Changes made to initiative selection based on effectiveness and benchmarking across alternatives.
— Inclusion of rapid earth fault current limiter (REFCL), open phase detection (OPD), early fault detection (EFD), and distribution fault anticipation (DFA) as alternatives, including for PSPS considerations.

— Changes made to cost impacts and drivers.
— An update on data sharing across utilities on measured effectiveness of covered conductor in-field and pilot results, including collective evaluation.

SCE's Response

As a result of the testing SCE conducted with Exponent in collaboration with PG&E and SDG&E, and in addition to more granular analysis, SCE made changes to its estimated effectiveness of covered conductor increasing it from approximately 67% to approximately 72%. As noted in the Joint IOU Covered Conductor Working Group Report, testing results will be further discussed in 2023 through meetings and workshops to determine any additional potential lessons learned. Additionally, and as part of the Joint IOU CC Working Group, SCE has provided its 2022 cost per mile for CC which has increased compared to its 2021 cost per mile. The utilities also continue to share data regarding recorded effectiveness and, in 2023, will further evaluate several covered conductor-related subject areas including M&I practices, new technologies, and a framework for calculating the effectiveness of the combination of mitigations.

Please see below for current status on items mentioned under "Required Progress" for ACI SCE-22-09.

Effectiveness Calculations

SCE reviewed mitigation effectiveness for all activities and where appropriate, updated the underlying analysis based on available data. In addition, SCE continued its shift toward data-driven inputs to inform mitigation effectiveness. Additionally, the independent 3rd party study led by Exponent demonstrated an increase in mitigation effectiveness at the contact from object – vegetation contact and vehicle contact driver level. This additional data input increased the overall effectiveness of CC. Please see Table SCE 7-12 and Appendix F: Supplemental Information for further details.

Initiative Selection

SCE has not materially changed its approach to prioritization and selection of covered conductor as a wildfire mitigation. The Exponent study on the effectiveness of covered conductor validated our understanding of the mitigation effectiveness for covered conductor, which served to further validate covered conductor as a selected initiative in our mitigation portfolio. Please see Section Mitigation Selection Process and Section 8.1.2.1 for further details. As part of the joint study, SCE will continue to evaluate the physical and performance characteristics of covered conductor.

REFCL, OPD, EFD, and DFA as CC alternatives (including for PSPS considerations)

SCE does not consider OPD (either for distribution or transmission), EFD, or DFA as alternatives to covered conductor or as a basis to increase PSPS wind speed thresholds. However, these mitigations can be understood as complementary to covered conductor and part of SCE's overall mitigation portfolio and selection strategy.

As discussed in Section 7.1.4 in some cases, a combination of REFCL and covered conductor may be viable as an alternative to undergrounding. However, REFCL mitigation effectiveness needs to be field validated over the coming years, and at this point in time SCE does not see REFCL as an alternative to covered conductor or as a basis for increased PSPS wind speed thresholds.

Cost Impacts and Drivers

In Table 11 of SCE's Wildfire Mitigation Data Tables, SCE includes an updated cost forecast for its Wildfire Covered Conductor Program over the 2023 – 2025 WMP period. This cost forecast is based on the volume of miles SCE anticipates installing over the WMP period and the estimated cost per mile to perform the work. While the Joint Covered Conductor Effectiveness Working Group did not directly drive the unit cost used by SCE to develop SCE's WCCP forecast, the discussions pertaining to covered conductor costs across utilities were informative and provided insights into the various costs associated with covered conductor across utilities.

SCE-22-10 Covered Conductor Inspection and Maintenance

Description: *SCE must evaluate and update its covered conductor inspection and maintenance program.*

Required Progress: *All electrical corporations (not including independent transmission operators) must work to share and determine best practices for inspecting and maintaining covered conductor, including either augmenting existing practices or developing new programs. This should be considered as a continuation of the covered conductor study established by Energy Safety's 2021 WMP Action Statements. The study will continue to be utility-led, with the expectation for Energy Safety to be included as a participant.*

SCE's Response

Please see the Joint IOU Covered Conductor Effectiveness Working Group Report included in Appendix F that describes the efforts of the joint utilities to share and determine best practices for inspecting and maintaining covered conductor.

SCE-22-11 New Technologies Evaluation and Implementation

Description: *SCE needs to work and benchmark with other utilities to further evaluate new technologies and share progress on pilots and implementation.*

Required Progress: *All electrical corporations must collaborate to evaluate the effectiveness of new technologies that support grid hardening and situational awareness such as REFCL and DFA/EDF, particularly in combination with other initiatives. Utilities must also share practices and evaluate implementation strategies for these new technologies.*

SCE's Response

Please see the Joint IOU Covered Conductor Effectiveness Working Group Report included in Appendix F which describes the efforts of the joint utilities to evaluate the effectiveness of new technologies that support grid hardening and situational awareness, such as REFCL and DFA/EFD, particularly in combination with other initiatives. Additionally, SCE meets regularly with IOUs to discuss practices, studies, performance, and technical matters related to REFCL. These meetings generally occur monthly and include both domestic and international companies to share best practices and lessons learned.

SCE-22-12 Residual Risk Reduction Associated with Covered Conductor

Description: *SCE is deploying a suite of mitigations under CC++ that should be seen as temporary solutions. SCE must strive to find more permanent solutions to address the remaining ignition risk.*

Required Progress*: In the 2023 WMP filing, SCE must:*

- *Provide SCE's plan and timeline for moving forward with REFCL, including mileage and risk addressed.*
- *Provide SCE's plan and timeline for moving forward with additional pilot technologies, such as DFA and EFD.*
- *Include effectiveness evaluations of added mitigation measures for CC++ in comparison to undergrounding when determining initiative selection.*

SCE's Response

SCE seeks to clarify that CC++ is not a temporary solution. As discussed in Section 7.1.4, CC++ is SCE's preferred and long-term solution for High Consequence Areas as defined by its IWMS Framework. Please also refer to Section 7.2.3 where SCE discusses interim mitigation strategies.

REFCL

At the end of 2023, SCE expects to have REFCL on three substations covering 847 miles of circuitry of which 373 miles is in HFRA. In 2024, we expect to increase that to 1,321 circuit miles of which 650 miles are in HFRA. SCE will complete its analysis of installations at the end of 2022 to inform plans for 2025 as described in Section 8.1.2.11.3.

DFA

DFA and EFD technologies both offer capabilities for situational awareness of incipient fault and undesirable conditions. However, SCE does not have further plans to deploy additional DFA after further evaluation of the technology and determining the technology is not yet mature.

EFD

Between October 2020 to the end of 2021, SCE evaluated 10 instances where the EFD technology (SA – 11) detected undesirable, degraded, or pre-failure system conditions where repairs have subsequently been completed. SCE will target 50 installations of EFD in each year of 2023 and 2024 and 200 installations of EFD in 2025. Additional information about EFD and the timeline for planned installations may be found in Section 8.3.3.

These new installations will test next generation EFD equipment, which is intended to increase sampling rates, and improve the signal-to-noise ratio in comparison to current EFD equipment. Installations will focus on testing the use of the new generation hardware, and further installations on sub-transmission system voltages. New installations in both Distribution and Transmission are expected to expand application capabilities for different line construction configurations, such as horizontal or vertical. SCE also intends to further explore different EFD detection capabilities, by completing staged testing to simulate vegetation grow-in and bridging of covered conductor phases.

Undergrounding Compared to CC++

In addition to Table SCE 7-06, which provides effectiveness values for SCE's initiatives, please also see Table SCE 7-07 that indicates risk reduction assessments for CC++ along with REFCL/CC++ and targeted undergrounding on a standalone basis. As noted above, SCE considers CC++ as a preferred mitigation approach for High Consequence Areas, and as such has not scoped or modeled "added mitigation measures" incremental to CC++. However, in Severe Risk Areas, SCE intends to scope REFCL in addition to more frequent asset inspections.

SCE-22-13 Remaining Severe Risk Areas

***Description**: SCE does not have 36.36% of its self-defined severe risk areas accounted for within its grid hardening scope.*

***Required Progress**: In the 2023 WMP filing, SCE must:*

- Provide a plan, including timeline, for scoping and addressing the remaining severe risk areas by the end of the 2023-25 WMP cycle.

- Provide a plan for addressing the near-term risk in the remaining 36% of severe risk areas in the interim.

Required Progress #1

Provide a plan, including timeline, for scoping and addressing the remaining severe risk areas by the end of the 2023-25 WMP cycle.

SCE's Response

The 36% was derived using 2022 WMP Table SCE 7-3 (below), which stated that 700 of 1,925 miles were not yet scoped at the time of submission of the 2022 WMP:

Table SCE 7-3

Distribution Grid Hardening Analysis Results

Category	Currently Hardened	Currently Unhardened		Total
		In-Flight CC Scope	Not Currently Scoped	
Severe Risk Areas Miles • Egress Areas • Burn-in-Buffer • Exceptionally High Standard Consequence Areas • Extreme High Wind Areas	725	500	700	**1,925**
High Consequence Segments Miles • 300 Acres at 8 hours[98]	1,700	1,350	2,025	**5,075**
Other HFRA Miles	475	550	1,675	**2,700**
Total	**2,900**	**2,400**	**4,400**	**9,700**

SCE submitted its 2022 Risk Assessment Mitigation Phase (RAMP) to the CPUC on May 13, 2022 and stated its intention to scope the remaining unhardened overhead circuit miles in Severe Risk Areas by 2028 (see 2022 RAMP, Ch 4, page 11, Table I-1).

Table I-1
2025-2028 Scope of WCCP and TUG for Proposed Plan

	Estimated Unhardened Overhead Circuit Miles by end of 2024	2025 - 2028 Scope (Circuit Miles)	
		Wildfire Covered Conductor Program	Targeted Undergrounding
Severe Risk Areas	580	0	580
High Consequence Segments plus Buffer	1,400	1,250	0
Total	**1,980**	**1,250**	**580**

As of the end of 2022, SCE has hardened approximately 4,400 miles with covered conductor and undergrounding. As discussed in Section 8.1, SCE anticipates undergrounding 75 miles of overhead lines in Severe Risk Areas between 2023 and 2025. This includes 11, 16, and 48 miles for years 2023, 2024, and 2025, respectively. SCE will strive to complete up to 20, and 60 miles in 2024, and 2025, respectively. As seen in the RAMP table above, of the estimated 580 unhardened overhead circuit miles in Severe Risk Areas by the end of 2024, SCE will strive to complete 60 miles in 2025. SCE anticipates completing the remaining 520 miles between 2026 and 2028 to have fully hardened the 580 miles by the end of SCE's GRC period.

Please also see Section 7.1.4 for discussion of SCE's continued commitment to targeted undergrounding as the preferred mitigation for Severe Risk Areas. Details on SCE's mitigation scoping and planning process, including for mitigations with long lead times, such as undergrounding are discussed in Section 7.1.4.3. SCE notes that the scoping and planning process is a multi-year effort, and that all undergrounding prioritization and scoping decisions are manually reviewed by an expert team within SCE to consider factors, such as risk, constructability, potential to bundle work, line routing, and overall schedule priority. In some cases, specific terrain or local issues may require alternatives, such as covered conductor with supplementary mitigations. While projects are scoped and awaiting construction, SCE considers interim mitigations to reduce risk, as further discussed in Section7.2.3

Required Progress #2

Provide a plan for addressing the near-term risk in the remaining 36% of severe risk areas in the interim.

SCE's Response

Please see Section 7.2.3 for SCE's discussion of interim mitigation strategies for mitigations with long lead times such as undergrounding.

SCE-22-14 Evaluation of Vibration Dampers

***Description**: SCE is scaling back on its vibration dampers retrofitting for installed covered conductor.*

***Required Progress**: In its 2023 WMP, SCE must:*

- Provide a description of the analysis performed to determine local wind conditions that lead to Aeolian vibrations.

- Provide further justification for why SCE is scaling back vibration damper installation for covered conductor retrofits.

- Explain why it has not performed similar analysis for all covered conductor installations.

Required Progress #1:

Provide a description of the analysis performed to determine local wind conditions that lead to Aeolian vibrations.

SCE Response:

Aeolian vibrations may occur when smooth, non-turbulent wind passes across the conductor. Wind speeds that induce Aeolian vibrations range from 2 to 15 mph. Aeolian vibrations are more likely to occur in flat and open terrain. Based on these criteria, SCE used terrain and wind conditions to analyze vibration susceptibility of covered conductor installations. SCE focused on installations 3,000 feet and below, which is consistent with SCE's standard vibration damper requirements under the GO95 definition of light loading areas (e.g., no weight from snow anticipated). SCE used three categories for vibration susceptibility (high, medium, and low).

SCE used wind data from its weather stations and performed an analysis based on factors including the average daily duration of wind speeds from 2 to 15 mph and the wind direction. SCE accounted for wind direction and only counted durations when the wind was flowing perpendicular to the conductor.

For terrain, SCE used terrain categories defined in CIGRE[305] 273: Overhead Conductor Safe Design Tensions with Respect to Aeolian Vibration. The terrain categories are defined as follows:

Table ACI 14-01 – Aeolian Vibration Terrain Categories

Category	Description
Terrain 1	Near large bodies of water or flat desert. No obstruction.
Terrain 2	Flat farmland. Small agriculture is fine. No obstruction (limited number of buildings, etc.). If building is not an obstruction & there is perpendicular wind path to circuit, this is fine.
Terrain 3	Flat open land with few obstacles. Undulating terrain with no obstacles. Hilly area, but line is at top of hill with clear perpendicular with path.
Terrain 4	Residential suburbs, small town, some trees and obstacles, small buildings, woodland.

SCE conducted a mapping review and assigned a terrain category at the covered conductor locations

[305] Global International Council on Large Electric Systems for sharing of end-to-end power system expertise. The community features thousands of professionals from over 90 countries and 1250 member organizations.

based on satellite and street view images.

A combination of the average daily duration of wind speeds between 2-15 mph and terrain categories were used to determine the vibration susceptibility. The table below provides the guidelines used. Wind condition is defined as the average daily duration of wind speeds from 2 to 15 mph flowing perpendicular to the conductor.

Table ACI 14-02 – Aeolian Vibration Susceptibility Categories

Rank	Terrain	Wind Frequency (Average Daily Duration)
High	Terrain 1	All Wind Condition
	Terrain 2	Wind Condition ≥ 20%
	Terrain 3	Wind Condition > 60%
Medium	Terrain 2	Wind Condition < 20%
	Terrain 3	20 < Wind condition < 60%
	Terrain 4	Wind Condition > 80%
Low	Terrain 3	Wind Condition < 20%
	Terrain 4	Wind Condition < 80%

Required Progress #2

Provide further justification for why SCE is scaling back vibration damper installation for covered conductor retrofits.

SCE's Response

SCE has not reduced vibration damper installations and continues to prioritize areas most susceptible to Aeolian vibrations for targeted retrofit installations. SCE does not consider its risk-based approach as equivalent to generally "scaling back" the program. Consistent with many mitigation programs, SCE is focusing its efforts on the highest-value areas and uses cases, which is prudent and appropriate from the perspectives of wildfire mitigation and cost effectiveness.

For retrofits, SCE prioritizes spans ranked as either "high" or "medium." In new line installations, dampers will be installed in all high, medium, and low categories, which are defined above, except in most cases above 3,000 ft, which can be subject to added weight from snow and in reduced tension spans, which have limited potential for Aeolian vibration.

Required Progress #3

Explain why it has not performed similar analysis for all covered conductor installations.

SCE's Response

SCE has performed similar engineering analysis to establish the criteria detailed above for new covered conductor construction. To evaluate all other spans would not be fruitful as the methodology described above is effective in prioritizing and identifying areas and conditions in which Aeolian vibration may be a concern.

SCE-22-15 Targets Relating to Addressing Inspection Findings

Description: *SCE's increased inspections (performed to exceed existing GO requirements and better address wildfire risk) resulted in a backlog of repairs*

Required Progress: *In its 2023 WMP, SCE must:*

- Identify which open work orders directly present ignition risks and provide a plan to prioritize repairs that address the highest risk. This plan should cover a time period up to the end of 2023.
- Provide quantitative targets for addressing repairs for infractions found during inspections, broken down by severity level of the finding.

SCE's Response

As part of SCE's standard operating procedure, any notification that may result in an imminent ignition risk (P1) is made safe within 24 hours and the remediation is started within 72 hours, and thus P1s do not contribute to the scope of notifications past their compliance due date. As a result, SCE limited the scope of its response to its backlog of repairs stemming from P2 notifications, as this focuses on the next level of risk after P1s.

P2 notifications in elevated (Tier 2) and extreme (Tier 3) high fire risk areas are generally remediated within 12 months or six months respectively. SCE did not include P3s in this scope because they are low risk and/or do not pose an ignition risk. As part of SCE's internal process for notifications, if a P2 or P3 notification was created and an imminent safety hazard discovered (i.e., via inspections or patrols), SCE would treat it as a P1 and take immediate action to make the condition safe.

The scope for the backlog of notifications used is based on a snapshot in time (October 26, 2022). This baseline starting point allowed SCE to develop a plan to work down its backlog of notifications. SCE is continually improving its inspection programs to identify issues based on field and engineering lessons learned, which may result in increases in notifications created (similar to what occurred when the Enhanced Overhead Inspection program first launched). Additionally, SCE strives to complete its HFRA inspections prior to peak fire season which can have the side effect of larger populations of notifications due around the same time.

- *Identify which open work orders directly present ignition risks and provide a plan to prioritize repairs that address the highest risk. This plan should cover a time period up to the end of 2023.*

In response to this prompt, SCE will explain how it: (1) identified the scope of notifications within its backlog that could potentially present an ignition and risk, and (2) created a prioritization method which may inform SCE's plan to work down the backlog in 2023.

1. Scope

SCE identified the scope of its backlog by focusing on asset notifications that pose a potential ignition risk[306] that are past their compliance due date from a specific snapshot in time. The total backlog

[306] A notification is classified as an ignition risk if the identified issue has the potential to cause a fire. An example of an ignition risk is an active deteriorated pole that is in a forested area. A notification is not considered an ignition risk if the issue has no potential to cause a fire. An example of a non-ignition risk is a customer attaching a mailbox to an SCE pole that is close to the ground or grading in an area with no surrounding vegetation.

included approximately 11,100 transmission and distribution asset notifications that pose a potential ignition risk that were not closed by their targeted completion date and considered priority 2 notifications. Each day, notifications are opened, closed, and a small number invariably become past due. Thus, this static population represents a baseline for SCE to track progress against.

SCE grouped the ~11,100 asset notifications into four categories. Each category represents a key driver for delays in work order remediation. These categories are: Pending Late, GO 95 Exceptions, Notify Third Party, and Inactive Equipment and/or FLOC[307]. Notify Third Party and Inactive Equipment and/or FLOC are included here for completeness, however, may not have ignition risk due to their underlying characteristics as described below.

SCE notes that the majority of notifications falling into the Pending Late and GO 95 Exception categories are on structures with lower risk based on SCE's preliminary analysis of their combined probability of ignition and wildfire consequence scores.

Scope Category (1 of 4): Pending Late

A pending late notification signifies a notification that is past due and does not fall within the other scope categories defined below (i.e., GO 95 exception, notify third-party, or inactive equipment and/or FLOC issues).

Scope Category (2 of 4): GO 95 Exceptions

A General Order 95 (GO 95) exception applies when an external constraint prevents a utility from completing work within a compliance timeframe. There are several scenarios which qualify for the GO 95 exceptions: (1) permitting, (2) third party refusal, (3) no access, and (4) system-wide emergency. For GO 95 exceptions, SCE evaluated all its notifications within the GO 95 Exceptions category to assess whether the notification was still constrained and could be remediated. While resolution of GO 95 exceptions is largely outside of SCE's control, for transparency SCE will include GO 95 exception details as part of its backlog reporting.

Scope Category (3 of 4): Notify Third Party

A "notify third party" notification occurs when SCE finds that a third party (either customer or a communication infrastructure provider) has created an issue that requires remediation on an SCE asset, most commonly a pole. Although SCE cannot force the third party to remediate, SCE notifies them of the outstanding issue. Examples of unauthorized alterations include incorrect attachments (e.g., wrong type of guywire utilized by a communication infrastructure provider), reduced clearances (e.g., broken communication lashing wire that could contact SCE conductors), unauthorized attachments (e.g., basketball hoop attached to a pole, unauthorized signage), etc.

Scope Category (4 of 4): Inactive Equipment and/or FLOC

SCE found that part of its notification backlog was caused by a latency in updating the system of record related to: (1) inactive equipment or FLOC; and/or (2) reject notifications. While this category may pose a lower ignition risk than other categories, SCE will strive to streamline its operating procedures across organizations to address these notifications.

Inactive Equipment or FLOC: This scenario stems from errors with dispositioning inactive equipment or

[307] FLOC stands for Functional Location of Overhead Conductor.

FLOCs in our system of records. For example, when poles and equipment are replaced or deactivated in the system of record during emergency conditions such as storm work or fire restoration, open notifications may not be promptly updated once the asset is re-activated or replaced.

Reject Notifications: This type of scenario occurs when a notification is no longer needed because the issue has been resolved, but the notification is not yet closed in the system of record. This may occur if a notification is kept open for visibility while the underlying condition is remediated by another program.

Figure ACI-15-01 and Figure ACI-15-02 below provide a breakdown of the total count of notifications for transmission and distribution. Each chart provides the total notification counts by scope category as of 10/26 (Total (as of 10/26)). Each chart then delineates of that total, how many notifications are closed, scheduled to be closed by the end of the first quarter of 2023, open (not closed), and those that are either externally or internally constrained.

Figure ACI-15-01 - Transmission Notification Backlog Scope Breakdown

Transmission Total Counts

Category	Details	Total (as 10/26)	Closed	Close by Q1 2023	Not Closed	Constrained
Pending Late	Repair notification pending late with no documented exception, and work is SCE responsibility	340	160	0	10	170
GO 95 Exceptions	Repair Notification Pending Late with documented exception per GO 95 Rule 18 (e.g., third party refusals, no access, permits required), and work is SCE responsibility	1,815	135	80	515	1,085
Notify Third Party	Notification requires SCE to work with a third party to correct issue	10	0	0	10	0
Inactive Equipment / FLOC	Notification is pending on inactive equipment/FLOC or is rejected and not yet flagged for deletion	950	725	225	0	0
		3,115	**1,020**	**305**	**535**	**1,255**

Figure ACI-15-02 - Distribution Notification Backlog Scope Breakdown

Distribution Total Counts

Category	Details	Total (as 10/26)	Closed	Close by Q1 2023	Not Closed	Constrained
Pending Late	Repair notification pending late with no documented exception, and work is SCE responsibility	1,190	640	0	285	265
GO 95 Exceptions	Repair Notification Pending Late with documented exception per GO 95 Rule 18 (e.g., third party refusals, no access, permits required), and work is SCE responsibility	1,390	290	0	0	1,100
Notify Third Party	Notification requires SCE to work with a third party to correct issue	2,880	750	215	1,915	0
Inactive Equipment /FLOC	Notification is pending on inactive equipment/FLOC or is rejected and not yet flagged for deletion	2,565	0	1,835	730	0
		8,025	**1,680**	**2,050**	**2,930**	**1,365**

2. Plan to Prioritize and Work Down Notification Backlog

SCE has historically prioritized notifications based on the severity of the finding and the associated compliance deadline based on HFTD location (i.e., HFRA Tier 2, HFRA Tier 3, or Non-HFRA). In 2020, SCE introduced a notification prioritization algorithm to accelerate the timing for completion of remediation in AOCs on the FLOCs with the highest risk notifications. In Q4 2022, after considering existing risk processes and incorporating lessons learned, SCE expanded on the AOC prioritization methodology to inform its plan to work down the backlog.

SCE's notification backlog prioritization methodology assigns weights to multiple factors (Technosylva consequence, how long the notification has been in place since identified, probability of ignition, and problem statement), and normalizes each factor to have values between 0 and 1, which is aggregated to result in a percentile ranking scale. Figure ACI-15-03 below is an illustration of the calculation utilized to prioritize the backlog of notifications. The algorithm is run for transmission and distribution notifications separately to prioritize for each program. Additionally, to manage the individual categories more closely, each scope category within the T&D programs was prioritized, depicted in Figure ACI-15-01 and Figure ACI-15-02 above. The higher the score, the higher the risk.

Figure ACI-15-03 - Notification Backlog Prioritization Methodology

$$\left(\frac{TS}{3}\right)+\left(\frac{TPD}{3}\right)+\left(\frac{0.5\times\left(POI+PS\right)}{3}\right)$$

Key Terms
- TS: Technosylva
- TPD: Time Past Due
- POI: Probability of Ignition
- PS: Problem Statement Score

This new prioritization method allowed SCE to rank each notification based on risk in order to accomplish the various 2023 quantitative targets discussed in the following section.

- *Provide quantitative targets for addressing repairs for infractions found during inspections, broken down by severity level of the finding. This should include a description of SCE's methodology for reaching these quantitative targets and preventing the occurrence of past due work orders.*

In June of 2022, SCE had approximately 17,500 pending notifications which were past due (approximately 12,700 for distribution; 4,800 for transmission). Since then, SCE has made significant progress by reducing the backlog by approximately 9,200 as of December 31, 2022 and expects to close another 2,400 past-due notifications by end of Q1 2023 of the backlog scope. Of the remaining past-due notifications, SCE is committed to the various quantitative targets depending on the scope category, which are discussed below.

SCE continues to work both the backlog discussed and all open notifications in tandem. Furthermore, SCE will investigate how to utilize its new prioritization methodology, which risk ranked all of its notifications in the backlog, to inform the order in which issues are remediated in 2023.

3. Quantitative Targets

Pending Late

From the static list of pending late notifications, SCE achieved completion of approximately 75% (800 out of 1,095 notifications across transmission and distribution) of its total unconstrained scope in the category by January 2023. SCE used its prioritization method to risk rank its notifications in this category. SCE's initial objective was to remediate all unconstrained[308] ignition risk notifications. However, some of these notifications had operational constraints, such as unavailability of materials, that made it difficult to close by a defined date.

SCE will strive to substantially complete the static list of unconstrainted notifications by the end of Q3 in 2023.

GO 95 Exceptions

External parties, such as the government agencies or other third parties constraining work are outside of SCE's control, SCE will continue to work with external parties to address notifications held due to GO95 exceptions. SCE is interested in partnering with Energy Safety to develop ways to establish a better feedback loop for notifications with GO95 exceptions, which would involve agencies notifying utilities when constraints are lifted or provide a firm timeline for responding to requests to expedite these matters to conclusion. Additionally, SCE is interested in working with Energy Safety on updating the GO 95 remediation compliance timelines to be more risk informed.

From the static list of GO 95 exception notifications, SCE successfully closed approximately 13% (425 out of 3,250 total notifications across transmission and distribution) of this category as of January 2023. Since these issues are externally constrained, SCE cannot commit to a specific target for when this scope category will be closed. In 2023, SCE will continue to monitor and drive the remaining GO 95 exception notifications to closure as expeditiously as possible.

Notify Third Party

[308] A notification is constrained if there is an external reason (such as GO 95 exception) or an internal reason (such as a lack of necessary resources, such as wood for a pole installation).

From the static list of notify third-party notifications, SCE successfully closed 25% (750 out of 2,890 notifications across transmission and distribution) of this category by January 2023. Additionally, of the remaining open notifications, SCE has sent letters notifying third parties of the issue they have created on SCE assets. While this action technically satisfies SCE's obligation with respect to these issues, SCE will continue to monitor these notifications and request the third parties remediate the identified issues.

It is difficult to create a quantitative target for this scope category when remediation is dependent upon an external third-party. However, SCE will continue to strive for closure by notifying third parties of the issues they've created on SCE assets.

Inactive FLOC and/or Equipment

From the static list of inactive FLOC and/or equipment notifications, SCE was able to close 20% (725 out of 3,515 total notifications across transmission and distribution) of this category as of January 2023. Given that the repairs have been completed, this type of notification represents the lowest ignition risk of the categories.

SCE's initial analysis revealed that both Inactive Equipment or FLOC and Reject Notification populations can generally be remediated via desktop review and without field resources. Thus, SCE will continue to perform quality checks on remaining notifications and take appropriate action as needed to work the backlog down. SCE commits to closure of the static list of approximately 1,800 distributions notifications by the end of the first quarter of 2023. For those notifications in which a desktop review will not suffice, SCE will deploy field crews to assess whether the issues still remain, or the notification should be closed in the system of record.

4. Preventing the Occurrence of Past-Due Notifications

SCE is working diligently to address the current backlog and prevent the occurrence of new past-due notifications by implementing new processes and resources. As discussed in this response, there are factors that may lead to past due notifications in the future. While SCE is committed to remediating issues within the required timelines, we are also focused on remediating the highest risk items first. Accordingly, SCE will analyze how it can prioritize all open notifications in a risk-informed manner. In 2023, SCE plans to update its prioritization methodology for its backlog and apply it to all open notifications. SCE will also investigate the possibility of informing open notification prioritization methodology with additional factors such as PSPS and AOCs. Similarly, SCE will investigate how it can de-prioritize low-risk notifications while balancing compliance requirements to reduce the backlog and continue to prioritize higher ignition risk open notifications.

SCE-22-16 Increases in Equipment Related Ignitions

Description: *SCE's equipment-related ignitions outside of the HFRA have increased, particularly those related to conductor damage and failures.*

Required Progress*: In its 2023 WMP, SCE must:*

- Provide failure mode, event, and trend analyses relating to recent increases in ignitions from equipment failures, including conclusions, root cause analysis, and lessons learned.

- Provide a plan to specifically address ignitions in high-risk areas caused by conductor, transformer, and connection device damages and failure.

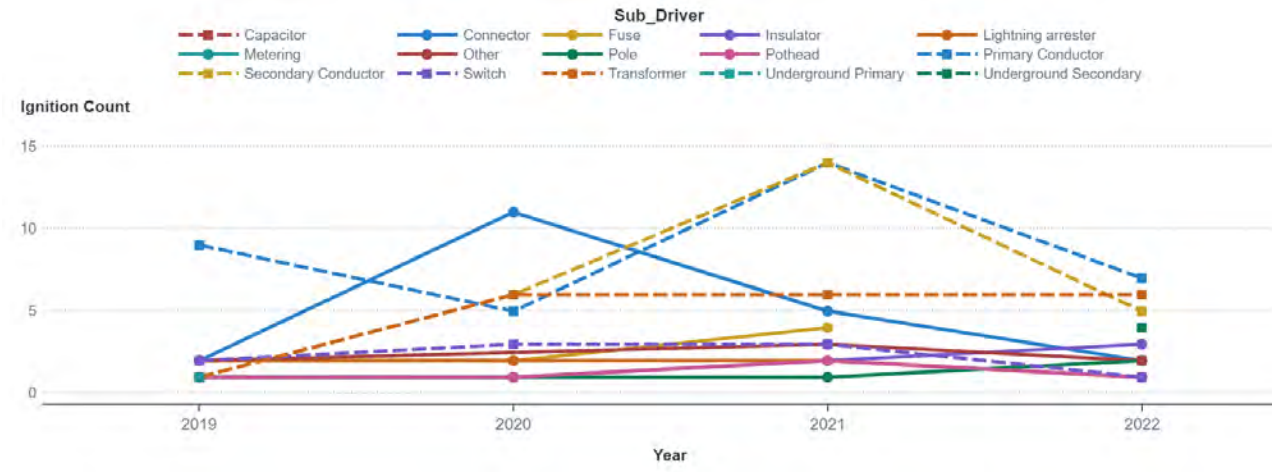
Required Progress #1

Provide failure mode, event, and trend analyses relating to recent increases in ignitions from equipment failures, including conclusions, root cause analysis, and lessons learned.

SCE's Response

The following table provides annual ignition counts over 2019 through 2022 for the sub-drivers that collectively represent equipment failure (EFF):

Figure ACI-16-01 - Annual Ignition Counts by EFF Sub-Drivers (Non-HFRA), 2019-2022



As stated previously in the response to ACI.22.06, external factors such as moisture, fuel load, and wind are likely to influence ignition trends, and hence variations from one year to the next may not necessarily indicate meaningful trends. SCE analyzes ignition events from the perspective of distinguishing factors that may be linked to short-term or unique external conditions from factors that may be indicative of more inherent issues that are less linked to short-term or external conditions that vary from one year to the next. Below SCE provides its analysis of EFF ignitions by sub-driver.

In 2022, SCE expanded the process for its Fire Investigation team to review all repair orders to avoid missing some potential ignitions, which may have caused an increase in events in 2022, for more information please see Section 11. Even with this additional review, almost all EFF ignition drivers decreased in 2022 outside of HFRA. This has been driven in part by SCE's Overhead Conductor Program

(OCP) addressing conductor related failures[309]. Moreover, as noted in ACI SCE-22-17, below, SCE modified its inspection form to add more details concerning secondary conductors.

Regarding underground cable, SCE has seen a slight increase from 2019 to 2022 in part due to overloading caused by recent heat waves that SCE's service territory has experienced. Lessons learned include increasing trends regarding underground related ignitions which is SCE is currently evaluating potential solutions to mitigate against future.

From 2019 to 2021, SCE saw over a 200% increase in ignitions from secondary conductor. Please see SCE's response to ACI SCE-22-17, which provides data on secondary conductor, including SCE's plan to mitigate and reduce secondary conductor ignitions in the future.

Required Progress #2:

Provide a plan to specifically address ignitions in high-risk areas caused by conductor, transformer, and connection device damages and failure.

SCE's Response

Conductor: Please see Section 7.1.4 for SCE's discussion of conductor-related mitigations, such as covered conductor and undergrounding. In addition, SCE's response to ACI SCE-22-17 details SCE approach to addressing secondary conductor-related ignitions.

Transformer: SCE is in the process of replacing mineral oil-filled transformers with ester fluid-filled transformers. Envirotemp FR3 Fluid, or ester fluid, is a derivative of renewable vegetable oil, and has a higher flash point rating than mineral oil. This decreases the likelihood that the fluid and/or fluid vapors will ignite and stay lit during a catastrophic event. This in turn reduces the chance of igniting surrounding brush and/or other flammable material surrounding the pole and transformer. Also, distribution transformers that are filled with ester fluid can operate at higher temperatures than mineral oil-filled transformers, and still have the same life as the mineral oil-filled transformer. This increases the transformer kVA capacity. This added kVA capacity will prolong the life of the transformer's internal insulation system and improve summer heat storm performance.

Starting in 2018, all standard pole-type transformers supplied to SCE are filled with ester fluid. Ester fluid transformers are installed to support new constructions, as well as transformers replacements driven by inspections and maintenance programs, load growth and voltage cutover programs, and other activities. Because transformer replacements will occur through these programs over time, the full benefits and reduced ignition risks for distribution transformers is expected to increase over time as the percentage of FR-3 filled transformers on the system rises.

Connection Device Damages and Failure: SCE's covered conductor and undergrounding programs address this by replacing or eliminating connection devices. SCE's mitigation approaches towards reducing connector-related ignitions include: (1) covered conductor, which replaces existing connectors during the installation, (2) infrared scanning of overhead facilities, which identifies connectors with elevated temperatures for replacement, and (3) new technology evaluation of Early Fault Detection (EFD), which identifies degraded connections that produce radio frequency emissions, for replacement.

[309] SCE's OCP is focused in reducing Contact with Energized Equipment risk and the reduction of wire down events, and does provide a secondary benefit in reducing ignitions caused by conductor failure, connectors and splices.

SCE-22-17 Address Secondary Conductor Issues

Description: *SCE has a high percentage of ignitions from secondary conductor, and a high find rate for findings relating to secondary conductor during inspections' QA/QC.*

Required Progress: *In its 2023 WMP, SCE must:*

- Provide its plan to mitigate and reduce secondary conductor ignitions in the future, including a timeline and status for the plan it provided in its 2022 Update.

- Demonstrate a decrease in the percentage of QA/QC findings relating to secondary conductor.

Required Progress #1:

Provide its plan to mitigate and reduce secondary conductor ignitions in the future, including a timeline and status for the plan it provided in its 2022 Update.

SCE's Response:

From 2019 to 2021, SCE saw over a 200% increase in ignitions from overhead secondary conductor as shown below in Figure ACI-17-01, as well as a high number of QC findings regarding overhead secondary/service conductor conditions. In 2022, the main driver of secondary ignitions was Equipment/Facility Failure (EFF) (approximately 70%) followed by Contact Foreign Object (CFO) (approximately 15%) as shown below in Figure ACI-17-02.

SCE added questions to the inspection survey in Q2 of 2021 (e.g., copper vise connector, no non-exempt connector present), which is utilized in the field by the inspector (who is an Electric System Inspector (ESI)) who performs a comprehensive inspection survey. Additional training was provided to the ESIs not only on the form but on the specific issues to look for while performing the inspections, such as damaged secondaries. These changes have resulted in an increase in inspection repair notifications from 4,502 to 8,322 in 2021 to 2022, respectively relate to secondary conductors.

Figure ACI-17-01 - Ignition Trends for Overhead Secondary

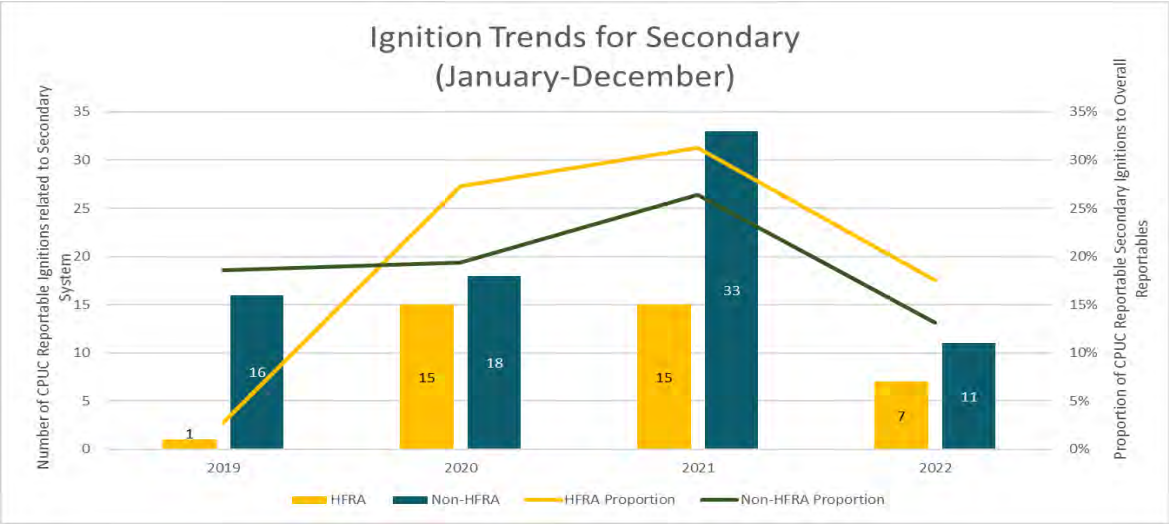
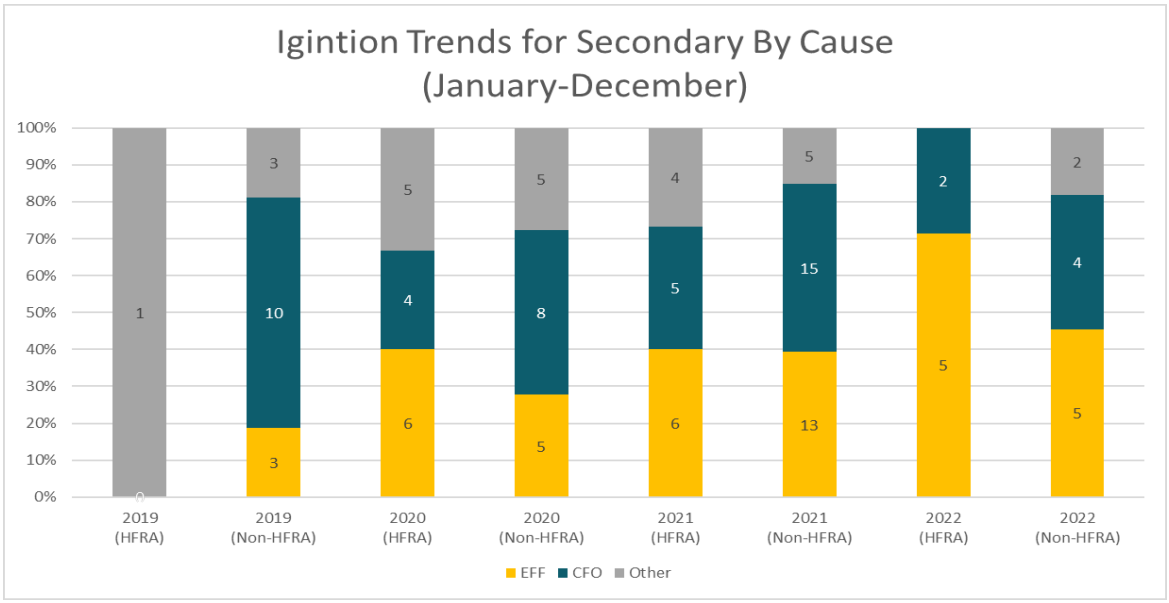


Figure ACI-17-02 - Ignition Trends for Overhead Secondary by Cause



In addition, in 2022, SCE inspected and trimmed vegetation around approximately 700 secondary structures and taped connectors on approximately 3,000 secondary structures in SCE's HFRA. In 2023, SCE will continue vegetation management work by inspecting approximately 1,000 secondary structures and perform trimming as necessary. SCE is also developing a secondary connection covering to replace temporary taping and evaluating a breakaway that disconnects and de-energizes service and secondary connector at predetermined mechanical load, which prevents ignitions if the wires fall due to fallen trees or excessive winds. Notifications were created to replace all identified high fire open-wire bare secondaries with multiplex conductor within a three-year timeframe. Lastly, SCE has seen a reduction in reportable ignitions caused by secondary conductors from 30% in 2021 to 20% in 2022.

Required Progress #2:

Demonstrate a decrease in the percentage of QA/QC findings relating to secondary conductor.

SCE's Response

SCE clarifies that a Quality Control (QC) inspection is "conducted by evaluating the results of a sample of completed inspections after the fact" while a Quality Assurance (QA) review "evaluates the process and supporting evidence to provide reasonable assurance to management that the WMP goals/activities have been met." In addition, SCE further clarifies that QA is "process oriented" to focus on preventing future defects, while QC is "product oriented" and focuses on identifying each defect.

In 2021, 1.4% of structures had a QC finding (Priority 1 and/or Priority 2 condition not identified during an inspection) related to secondary/service conductor damaged/clearance issues. In 2022, 0.6% of structures had a QC finding related to secondary/service conductor damaged/clearance issues. This represents a 57% reduction in secondary/service conductor findings per structure, which SCE attributes to the process improvements noted above concerning form enhancements and improved inspector training.

SCE's pass rate (percentage of inspections for which a QC finding was not identified) for its QA/QC of overhead detailed inspections within high-fire areas improved from 92 percent in 2021 to 94 percent in 2022, in part due to the reduction of QC secondary findings. The increase in repair notifications identified by SCE inspectors as well as a corresponding decrease in QC findings related to damaged secondary conductors can be attributed in part to the recent improvements to the inspection form.

SCE-22-18 Progression of Joint Effectiveness of Enhanced Clearances Study

***Description**: The 2021 Action Statements required the Large IOUs to conduct a study assessing the effectiveness of enhanced clearances. Progress has been made in the study; however, the study must continue to progress.*

***Required Progress**: By the submission of the 2023 WMPs, SDG&E, along with PG&E and SCE, must (1) standardize the data collection process for the cross-utility database of tree-caused risk events, (2) determine where and in what form the database will exist, (3) examine, to the best of their ability, whether the correlation between enhanced clearances and the lower number of tree-caused outage events may be attributable to other factors beyond clearances, such as the management of hazard trees and the installation of covered conductor. Energy Safety expects the large IOUs to make incremental progress and update their analyses with each WMP submission through at least 2025.*

2023 – 2025 WMP
Areas for Continued Improvement and Required Progress of the IOUs' 2022 WMP Update
Progression of Effectiveness of Enhanced Clearances Joint Study

Response:
The utilities have prepared a joint response to this Area for Continued Improvement.

SDG&E, PG&E, and SCE (jointly, investor-owned utilities or IOUs) have continued collaboration on the vegetation clearance study. Bi-weekly meetings occurred throughout 2022 with attendees from the IOUs and Energy Safety attending.

The IOUs are focused on addressing the required progress of this study, which include:

- Standardize the data collection process for the cross-utility database of tree-caused risk events
- Determine where and in what form the database will exist
- Examine, to the best of our ability, whether correlation between enhanced clearances and the lower number of tree-caused outage events may be attributable to other factors beyond clearances, such as the management of hazard trees and the installation of covered conductor

In order to achieve the results of the study most effectively, the IOUs chose to hire a third-party to establish the data collection standards, create the cross-utility database, and study the relationship between enhanced vegetation clearances and tree-caused risk events. A third-party vendor to assist with the study will provide both experience in data analysis and an independent review of the data and conclusions.

To select a qualified vendor for this multi-year engagement the IOUs nominated potential bidders for the work, and SDG&E led a Request for Information (RFI) event that was sent to eight different vendors to understand their capabilities in performing this study. The RFI was distributed in February, with responses due back in early March. After reviewing and scoring the information received from the vendors, three were then invited to participate in a Request for Proposal (RFP). The documentation for

the RFP was prepared and distributed to the vendors in early June and responses were received in July. The RFP materials were scored, and negotiations began with the selected vendor in August. The completed and signed contract was completed in October and the vendor began attending the joint IOU meetings and beginning data collection for the study. Progress on each of the required areas is provided below:

The EPRI research team is implementing a phased approach to the study consisting of 1) Database Evaluation, 2) Database Development, and 3) Data Analysis. The first step has been for EPRI to request a sample set of data from each of the participating IOUs. This data includes information from relevant vegetation, outage, GIS, weather, and related data sets. The data samples are currently under review and a meeting with the research team and the IOUs is planned for Q1 of 2023 to discuss the data fields. After this discussion, a larger sample of data will be requested from each of the IOUs, including relevant metadata, and including historical data. These will be pulled together into a combined database, and jointly evaluated. The EPRI team will consider how best to combine the three separate groups of data into a single database. This will begin the second phase of the study: Database Development. The database will exist on the EPRI Server. The three phases are described in more detail below.

The database will exist on the EPRI Server, and outage data will be pushed to EPRI at a time step discussed over the course of the project, likely weekly. Vegetation, weather, GIS, and other datasets will also be pushed to the database at selected, regular intervals. The outage data will include outages that are not vegetation related. EPRI will query the freeform notes to extract possible tree related outages that were coded erroneously. EPRI will examine and put the utility data into a common format and create a new database of the combined utility data. This data will be accessible for queries by the participants. If all the participants agree, the data can also be available for downloading, and can be obfuscated to the degree necessary by the providing utility prior to transfer.

This will be done by first examining a selection of each IOU's databases including weather, vegetation management, GIS, Outage Management Systems (OMS), and other related databases. This review will first include a review of the datasets, the frequency of collection, the quality of the data, the confidence in the data, historical data available from each IOU, the metadata, variables, definitions, and identify a data steward from each company. Using this information from the sample selection, and a second request for larger dataset, we will create a data dictionary. After reviewing the samples of each utility, and during the immersive discussions described below, we will develop the joint database. The fields and coding systems in the joint database will be designed with the utilities and using the experience of the vendor in similar projects. The EPRI Data Science Platform will be able to integrate data of various formats and types, facilitating the data analysis described below.

The study intends to create the joint database across the three utilities which would be able to establish uniform data collection standards, focus on tree-caused risk events, incorporate both biotic and abiotic factors, and assess the effectiveness of enhanced clearances. Once the database is created, there is an opportunity for researchers and practitioners to gain deep insight on the causes of ignition events and the potential vegetation management options to mitigate them.

The following steps will be implemented between January 2023 and June 2024.

1) Database Evaluation:

a. First, to evaluate existing data, and recognizing that each IOU's database has some common fields and other fields that are not common across all IOUs, a sample of each database will be evaluated, and then a larger section of the data will be evaluated. This will be to review existing data and guidelines for data collection and determine if the current structures allow the key research questions for this project to be addressed. To that end, and to help ensure that the data curated can acceptably inform the questions to be answered, EPRI plans to have immersive discussions with each IOU's respective vegetation management and outage management teams to better understand what data is currently curated and to evaluate the level of quality and certainty of data contained in the database fields. The purpose of the immersive discussions is to understand the current database structures used by each utility, the method of recording data, the type of historical records available, the definitions of specific tree-pruning activities, the differences in the outage management systems, and other information that may vary from utility to utility.

b. Parallel or after the individual meetings, the research team and SMEs from each of the three IOUs will attend a follow up workshop to be hosted by SDG&E, or one of the participating utilities. This is scheduled for February 6-7. During this meeting, we will discuss the key questions raised at the individual meetings and discuss organizing outage cause codes into common groupings to best capture the information needed to perform a meaningful study, including sharing ideas regarding additional data fields. As a team (research team and utility SMEs) we will decide on the design of a consolidated database structure to be used moving forward.

c. Third, once outage cause codes are determined, a survey/coding workshop will be developed describing scenarios that should be coded. This survey will be administered to all employees that input cause codes in the outage management system (OMS). While the survey will capture the initial inputs, the survey will also present the user with the desired coding based upon the decisions made in the group workshop.

2) Database Development:

a. EPRI will base the database development on previous experience with cross utility databases such as the industry wide databases for T&D asset performance, inspections, and maintenance. Before defining the final database structure, EPRI will follow a phased approach. Initially, EPRI will investigate each utility's data individually. Then, they will look at the lessons learned to assess the broader applicability. At that stage, EPRI can initiate the development of a cross utility database by designing the criteria around how the common database is set up and populated, as well as the data management lifecycle criteria.

3) Data Analysis:

a. In addition to a single-unified database structure and the data to support that structure that allows IOUs to understand every vegetation contact with the lines, there is a need to drill down to understand vegetation treatments and their effectiveness. Assuming adequate history on circuits that have data before and after enhanced clearance work was performed, we would conduct statistically valid and defensible analyses on that group of circuits. The general objective of the data analysis would be to understand the effect of enhanced vegetation clearances on outage performance. The results would likely lead to other insightful analyses and comparison with other treatment approaches and to different weather conditions. Depending on the type of data received, its granularity, the temporal scale, length of time that enhanced vegetation management has been implemented in the circuits, and how many

variations the utility has used, there are many different directions of analysis. For example, if the circuit characteristics and approaches are substantially different from one another (circuit to circuit or utility to utility) a self-benchmarking or baseline extrapolation might be possible if sufficient historical data is also provided. Similarly, other data analysis possibilities exist that will be determined as the scope of the data becomes available.

b. EPRI will share the results of Data Analysis in a technical memo which will include data, graphs, charts, and narrative text. This information can be used to share results with joint IOU stakeholders, including agencies, and the general public, regarding results of the data analysis and any insights regarding the potential links between enhanced vegetation clearing, outages, and ignition risk.

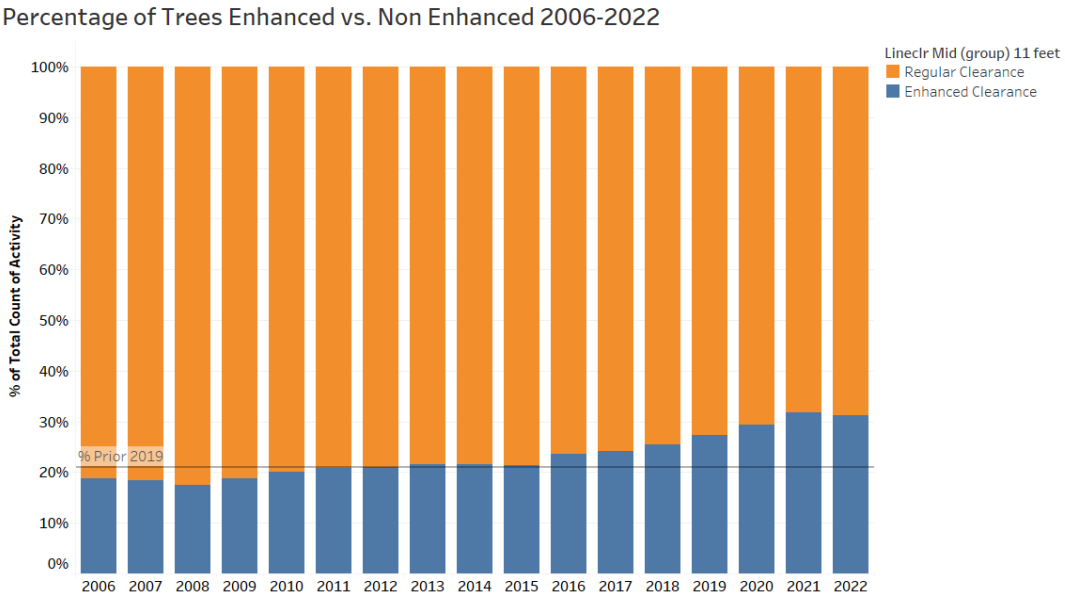
Separate from the joint IOU database study on enhanced clearances, each of the large IOUs have completed work to understand the effectiveness of enhanced clearances within their respective service territories. Details on these efforts are described below.

SDG&E

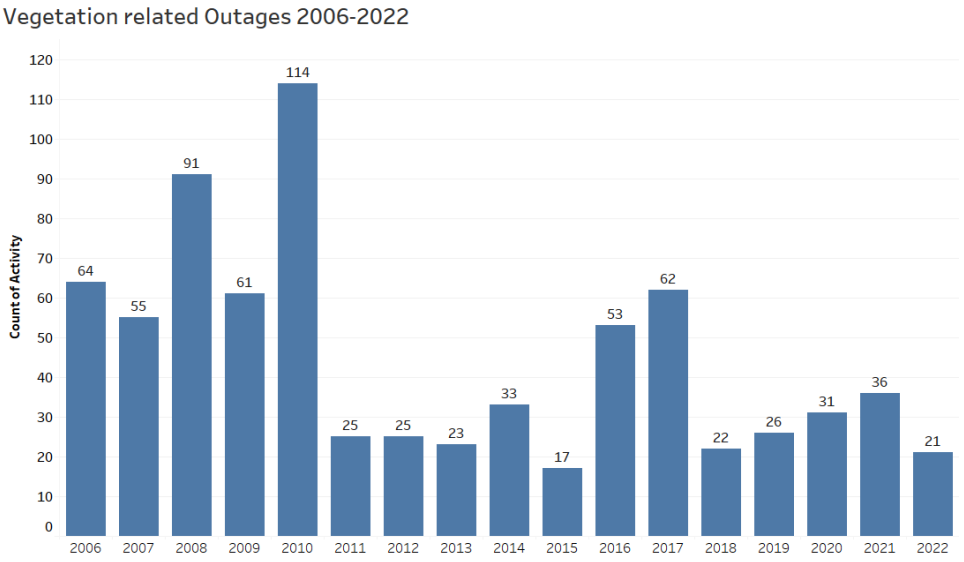
San Diego Gas & Electric (SDG&E) has implemented several initiatives within its Vegetation Management program to reduce power outages and mitigate the risk of wildfire. These initiatives include covered conductor, undergrounding, enhanced inspection processes, and enhanced line clearance. To assess the impact of the Enhanced Clearance Vegetation Management program, which was launched in 2019, we conducted an analysis. Our goal was to understand the effectiveness of this program in reducing outages and potential wildfire.

According to the California Public Utilities Commission (CPUC) General Order 95, Rule 35, distribution voltage lines in California must have a minimum clearance of 18 inches. In the High Fire Threat District (HFTD) region of the state, the minimum clearance is 4 feet for distribution lines. For the purposes of this analysis, "enhanced clearance" refers to trees that were trimmed to a height above 11 feet. In 2019, SDG&E increased the percentage of trees managed at enhanced clearance distances (11 feet or higher) to 25% of its inventory and saw a reduction in power outages. The graph below illustrates the percentage of inventory trees that were managed at enhanced clearance distances versus not enhanced from 2006 to 2022.

Distribution of Tree Inventory Line Clearance Distance



Historical Vegetation related Outage Count



To understand its outage reduction over recent years, SDG&E analyzed historical data. When comparing the years 2019-2022 to 2014-2018, SDG&E observed approximately a 20% improvement in outages.

Year	Group	Count of FACILITYIDs	Outage Count	Outage Rate (Outage Count/Count of FACILITYIDs)	% of FACILITYIDs less or equal to 11 feet	% of FACILITYIDs greater than 11 feet	Avg % of FACILITYIDs greater than 11 feet	% Change	Average Outage Count	Outage Improvement (count)	Outage Improvement (% change)	Average Outage Rate	Outage Rate Improvement	Outage Rate Improvement (% change)
2014	Prior EVM (14-18)	393,217	33	0.008%	78.4%	21.6%								
2015	Prior EVM (14-18)	388,903	17	0.004%	78.6%	21.4%								
2016	Prior EVM (14-18)	383,351	53	0.014%	76.3%	23.7%								
2017	Prior EVM (14-18)	379,431	62	0.016%	75.8%	24.2%								
2018	Prior EVM (14-18)	381,170	22	0.006%	74.6%	25.4%	23.2%		37.4			0.010%		
2019	EVM (19-YTD 22)	377,554	26	0.007%	72.7%	27.3%								
2020	EVM (19-YTD 22)	377,919	31	0.008%	70.7%	29.3%								
2021	EVM (19-YTD 22)	384,613	36	0.009%	68.2%	31.9%								
2022	EVM (19-YTD 22)	*372,472*	*24*	*0.006%*	*68.8%*	*31.2%*	29.9%	6.67%	29.3	8	21.8%	0.008%	0.0020%	20.7%

To determine the contribution of the enhanced clearance initiative to the observed improvement in outages, we employed a machine learning model (logistic regression) to analyze the relationship between line clearance distance and the probability of tree-caused power outages. The logistic regression model considered various variables that may impact outage probability, and we conducted a sensitivity analysis to examine the effect of line clearance distance on outages while holding other factors constant.

SDG&E analyzed all activities from 2014 to 2022 to understand the relationship between line clearance distance and the probability of tree-caused power outages. We linked each outage event to its corresponding inspection or trim activity to determine the most recent line clearance distance before the outage occurred. The variable "outage" served as the flag variable that was predicted in the model.

The following features were included in the model:

- Species
- Line Clearance Distance
- Enhanced Clearance (yes or no)
- Tree Height
- Diameter at Breast Height (DBH)

To evaluate the performance of the model, the entire dataset was split into training and test data sets. The training set was used to build the model, and the test set was used to evaluate the model's performance on unseen data. Once we understood the model's performance, we altered the line clearance distance in the sensitivity analysis to understand its effect on the predicted probability of outages for each activity.

The sensitivity analysis reduced the line clearance distance of all activities with a line clearance distance above 11 feet (enhanced clearance level) to 11 feet. We then reran these activities through the model using the same threshold value to make predictions. We assumed that the new distribution of activities would have the same performance distribution as the actual data, allowing us to determine the number of outages that were potentially prevented for these trees.

By altering the line clearance distance value, but holding other factors constant, we were able to evaluate the impact of line clearance on tree-related outages. Our results revealed that reducing line clearance from enhanced levels (>11 ft) to regular levels (11 ft) led to an increase in the number of predicted tree-caused outages. Specifically, the model predicted a reduction in tree-related outages by approximately 12% attributed to enhanced clearances.

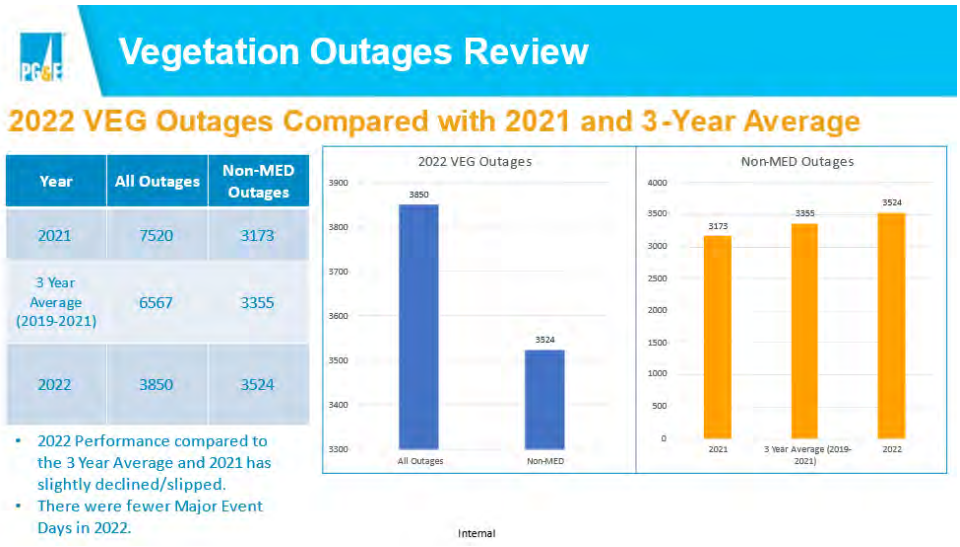
PG&E

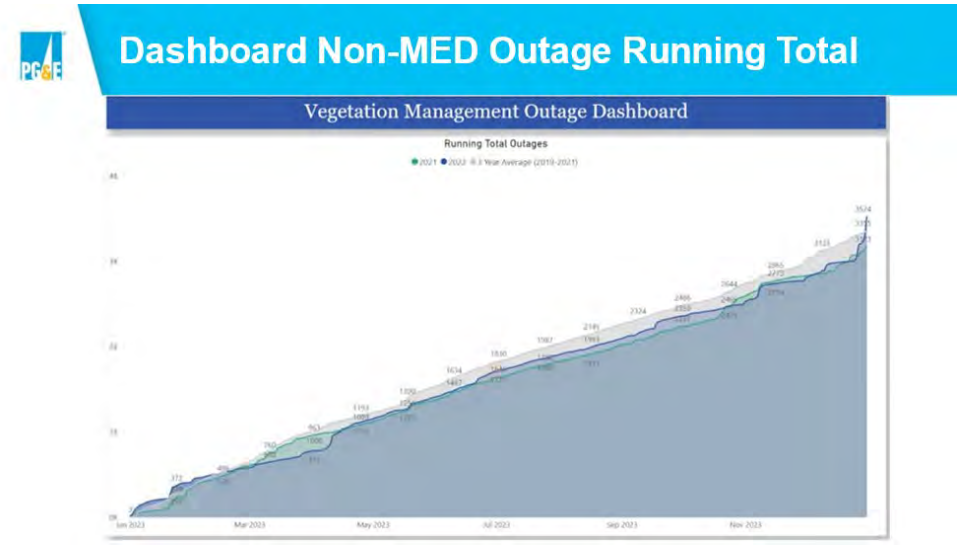
Pacific Gas & Electric (PG&E) launched the Enhanced Vegetation Management (EVM) program in response to changing environmental conditions and based on our best view of risk mitigation at the time. Since launching EVM in 2019, PG&E’s wildfire capabilities have continued to evolve and mature; we now have solutions that provide more effective and efficient wildfire risk reduction such as Public Safety Power Shutoff (PSPS), Enhanced Powerline Safety Settings (EPSS), System Hardening and other operational mitigations. We are also evaluating additional operational mitigations, including partial voltage detection, downed conductor detection, and breakaway connectors, each of which will further

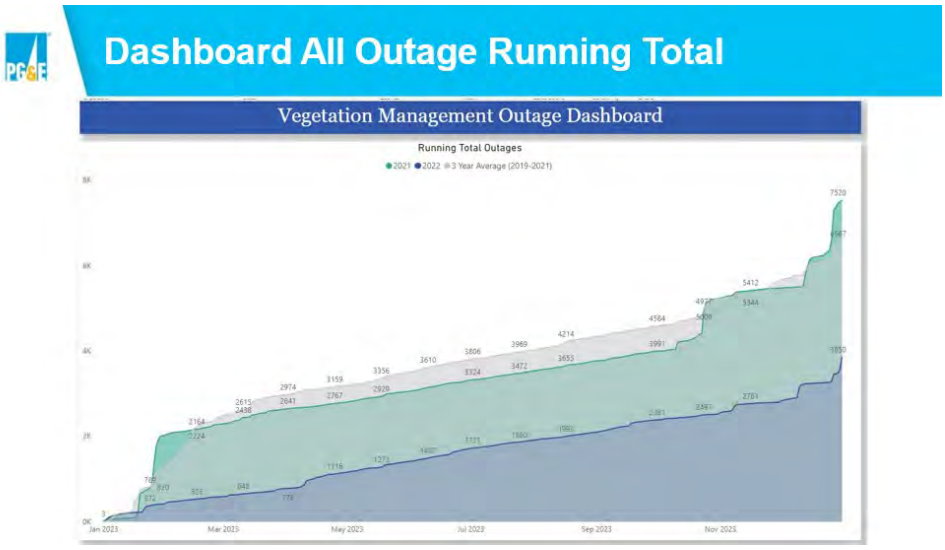
reduce the risk of catastrophic wildfires. The data below shows the 2022 non-MED (Major Event Days) Outages performance compared to the 3 Year Average and 2021 has slightly declined.

The good measure is to compare the outages reduction because ignitions are impacted due to other wildfire reduction mitigation.

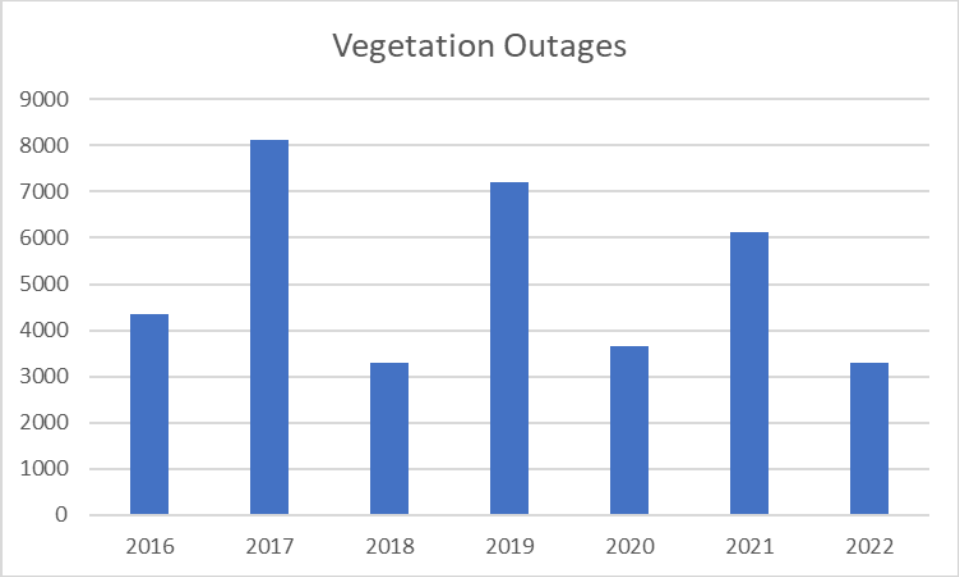
Data in the table below is not Normalized for Non-MED Outages (i.e., there are more non-MED in 2022 compared to 2021).







Total Vegetation Outages 2016-2022



SCE

Beginning in late 2018, SCE began implementing enhanced clearance programs to achieve greater trimming distances consistent with D.17-12-024, which amended GO 95 to increase recommended clearance distances at time of trimming in HFTD. SCE believes that tree-caused circuit interruption (TCCI) data serves as an appropriate data point to use in assessing the impact of SCE's enhanced clearance programs on reducing the risk of wildfires.

Outage data in Table 1 represents TCCIs on SCE's distribution system as confirmed through SCE field verification. The data shows a significant decline of 53% in the average annual number of TCCI's between the pre-enhanced clearance period of 2017 through 2019 compared to 2022. In the pre-enhanced clearance period in SCE's HFRA, SCE experienced an annual average of approximately 141 TCCIs, while in 2022, the annual number of TCCIs is currently 66, a reduction of approximately 53%.

As of Q4 2022, there were no reported events on SCE's transmission circuits.

Table 1: Average Events Pre & Post Enhanced Clearances[1]

Average Events Pre and Post Enhanced Clearances	Pre-Enhanced Clearances	Post Enhanced Clearances[2]	Difference
	Avg of Annual TCCIs (2015-2019)	Annual TCCIs (2022[3])	
HFTD	141	66	-53%
Non-HFTD	320	160	-50%
All	461	226	-51%

Notes: 1) SCE's TCCI data categorization in this table is grow-in, blow-in and fall-in events with six total fault type categories: Grow-In, Blow-In, Fall-In, Human Caused, No Cause/Not tree related, and Uncategorized. This data excludes Human Caused and No Cause/Not tree related recorded events. SCE has maintained data for annual outages since 2015 and for enhanced clearances since 2020.
2) While SCE began implementing enhanced clearances in 2019, "post-enhanced" is focused on 2022, in consideration of the time required to execute and advance expanded clearance work across SCE's HFTD.
3) December 2022 data is subject to change pending final verification.

Though SCE has tracked TCCIs since 2015, advancements in its work management system have allowed SCE to associate specific outage events with the specific tree(s) in its inventory since 2021. With this consideration, SCE's analysis is currently looking at correlation and expects that more robust regression analysis may be possible in future years. Starting in 2021, SCE's legacy outage data was updated to newer data collection standards and inputted into Fulcrum, one of SCE's data collection tools. This additional functionality helps further SCE's insight into outage events and potentially informs future mitigation strategy.

Additionally, SCE has enhanced the functionality of its outage dashboard to facilitate a more holistic view of TCCIs across the system. The dashboard provides insight into TCCI trending as well as factors that may affect outage frequencies, such as at-risk species, time of year, and related weather events. SCE has actively participated in this joint IOU working group, and appreciates the partnership with all stakeholders involved. Over the next few years, SCE anticipates this effort will yield additional evidence of the impact enhanced clearances have on the reduction of tree-related events.

SCE-22-19 Participation in Vegetation Management Best Management Practices Scoping Meeting

Description: *Vegetation management processes and protocols for the reduction of wildfire risk are not uniform across electrical corporations*

Required Progress: *SCE and all other electrical corporations (not including independent transmission operators) must participate in an Energy Safety-led scoping meeting to discuss how utilities can best learn from each other and future topics to explore regarding vegetation management best management practices for wildfire risk reduction.*

SCE's Response

SCE has participated in a pre-scoping meeting with Energy Safety in advance of the scoping meeting and looks forward to collaborating with Energy Safety and other stakeholders in this effort.

SCE-22-20 Protective Device Settings Sensitivity Impacts

Description: *Although SCE estimates reduced reliability impacts from new sensitivity setting for protective devices, SCE has not performed full analysis on reliability and related public safety impacts for changes to its FCS*

Required Progress: *- Analyze any reliability impacts associated with changes in sensitivity of protective device settings, including a lookback for 2022 performance compared to 2021.*
- Describe mitigations implemented to reduce reliability impacts of FCS if noticeable impacts are observed.

SCE's Response:

SCE began its fast curve program in 2018. To measure the reliability impacts from the fast curve program, SCE compares reliability prior to and after fast curve settings (FC settings) have been implemented. For this analysis, SCE used 2015-2017 outage data to create a baseline reliability performance when FC settings were not implemented and compared those data against circuits that had FC settings capabilities as of June 1, 2022. The circuit data from 2015-2017 versus 2022 data was compared between the months of June and October when elevated fire conditions typically require enablement of FC settings across SCE's HFRA. SCE then examined results at the circuit level.

SCE's analysis shows that overall, fast curve installations have not had any significant impact on customer reliability. SCE is further studying the data to understand any anomalies in reliability data occurring at the circuit level; for example, if year-to-year fluctuations in circuit performance are due to asset conditions and other externalities. SCE also believes that wildfire mitigations such as covered conductor and branch line fusing have had positive impacts to circuit outages as circuits with these mitigations generally experience fewer outages compared to pre-mitigation levels.

There has been an increase in customer outage duration from 2020 onward, which has been due to changes in SCE's operating protocols during elevated fire conditions (i.e., recloser blocking and circuit patrols) and not associated with fast curve setting installations. SCE has since implemented changes to these protocols to help mitigate the length of the outages caused by these protocols.

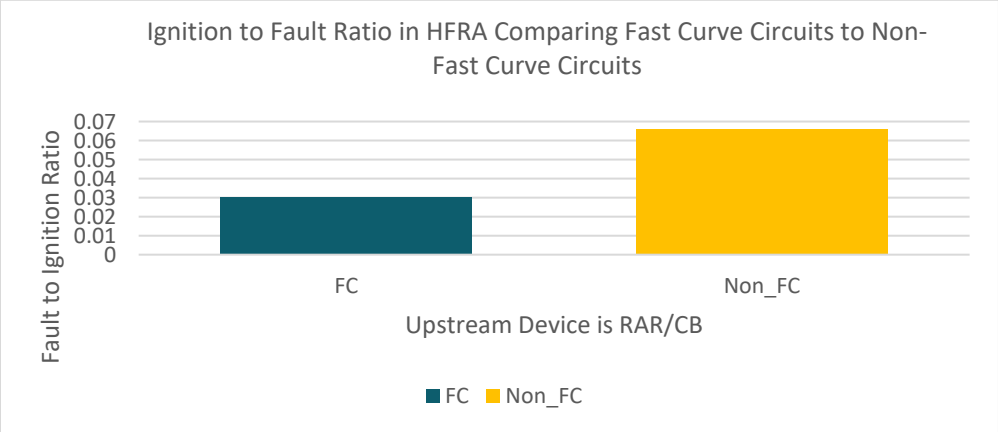
The table below shows the comparison of outage performance from 2018 to 2022 when compared to the annual average from 2015-2017. Performance was also based on the outages seen on the circuits that had FC settings installed by June 1st of their respective year. Performance was also based on the outages seen on the circuits that had FC settings installed by June 1 of their respective year. System level data below on fast curve enabled circuits do not show any drastic changes in outage counts since installation; however, there is an increase seen in duration due to SCE's change in operating protocols in 2020 during elevated fire conditions.

Table ACI 22-01 – Outage Data on Circuits with Fast Curve Enabled

System-Level June to October Data on Circuits where Fast Curve was Enabled						
Category	**2015 – 2017 Annual Avg**	**2018**	**2019**	**2020**	**2021**	**2022**
Outages	781	256	360	536	569	757
Circuits	956	533	757	779	793	956
Outages Per Circuits	0.85	0.50	0.48	0.69	0.72	0.79
Customers Interrupted Per Outage	1,265	1,464	1,484	1,366	1,517	1,540
Customer Minutes of Interruption (CMI) per Outages	58,669	102,332	99,096	160,684	133,212	147,436
CAIDI	46	70	67	118	88	96

By enabling fast curve settings during elevated fire conditions, SCE has not seen an increase in outage impacts. Further, when comparing the fault to ignition ratios for circuits with fast curve enabled to the circuits without fast curves, SCE has seen a significant decrease in the fault to ignition ratios. To measure wildfire ignition risk reduction, SCE evaluated fault-to-ignition ratios from June to October in 2021 and 2022 with the analysis indicating approximately a ~54% reduction between circuits with fast curve enabled (FC Circuits) versus circuits with without fast curve (Non-FC Circuit) as provided through the chart below.

Table ACI 22-02 – Fault to Ignition Ratio Comparison



SCE will continue to monitor the performance on circuits with FC settings enabled and perform analysis to understand the reliability impacts and the mitigation effectiveness of the activity in mitigating potential ignitions.

SCE-22-21 Documentation of Models

Description: *SCE does not provide sufficiently detailed information on models*

Required Progress: *SCE's 2023 WMP submission must follow the appropriate template provided in the 2023 WMP Guidelines for the metrics and underlying data section when documenting the models described in section 7.3.7.3 of its 2022 Update submission*

SCE's Response

SCE has followed the appropriate templates provided in the 2023 WMP guidelines related to the documentation of our models. This information can be largely found in Section 6 and Appendix B of this WMP, which requires SCE to provide details on risk frameworks, components, scenarios, QA/QC procedures, and calculation methodologies. SCE is committed to adhering to Energy Safety guidelines and providing straightforward and transparent information on its risk models and approaches. SCE will continue to partner with Energy Safety and stakeholders, especially through forums such as the Risk Modeling Working Group.

SCE-22-22 Third Party Confirmation of RSE Estimates

Description: *SCE does not confirm its RSE estimates with independent experts or other utilities in California*

Required Progress: *In its 2023 WMP, SCE must show that its RSE estimates are confirmed by a third party or detail an action plan and associated timeline for third party confirmation of all RSE estimates.*

SCE's Response

SCE performed a competitive solicitation to select an independent third-party expert to confirm its RSE estimates. Exponent was selected following the solicitation.

Exponent reviewed SCE's RSE process, including inputs, calculations, and results for reasonableness and accuracy. Exponent attended challenge sessions in which SCE management reviewed and validated RSE assumptions and preliminary results for all scored mitigation activities.

Additionally, Exponent performed validation of RSE accuracy by independently calculating the RSEs for comparison to SCE's results. Exponent provided SCE with its findings and recommendations for potential improvements related to RSE data, assumptions, processes, and methodologies, as applicable.

SCE has incorporated Exponent's findings to the extent feasible and will continue to evaluate longer-term recommendations for ongoing improvement of the overall RSEs.

SCE-22-23 RSE Estimates of Emerging Initiatives

Description: *SCE does not calculate RSE estimates for emerging initiatives*

Required Progress: *In its 2023 WMP, SCE must detail an action plan for calculating RSE estimates for emerging initiatives.*

SCE's Response

RSE is a tool to compare the benefits and costs across mitigation activities. The purpose of a pilot or emerging technology program is to evaluate activities and technologies in which the benefits are unknown or uncertain. Hence, it is challenging to develop risk reduction and cost estimates with a meaningful level of confidence.

Nevertheless, SCE provides RSEs for its emerging initiatives, which can serve as one of many factors to inform SCE's implementation. Instead of laying out an action plan for calculating RSE estimates for emerging initiatives, SCE has developed RSE estimates for the emerging initiatives found in its 2023 – 2025 WMP.

Table ACI 22-01 below contains a list of emerging initiatives and the resulting RSE.

Initiative	**2023-2025 RSE[310]**	**WMP Reference**
Transmission Open Phase Detection (TOPD): SH-8	1,795	8.3.3.1.2.1; 8.1.8.1.3.2
Distribution Open Phase Detection (DOPD)	1,994	8.3.3.1.2.2; 8.1.8.1.3.3
High Impedance (Hi-Z) Relays	6,210	8.3.3.1.2.3; 8.1.8.1.3.1
FR Wrap Retrofit	95	8.1.2.3.2
Early Fault Detection (EFD): SA-11	5,778	8.3.3.1.1
Satellite and Other Imaging Technology for Fire Spotting (part of SA-10)	40	8.3.4.1.2

[310] RSEs are a point in time estimate and may be updated to reflect changes in scope, cost and effectiveness based on new information.

SCE-22-24 RSE Estimates Used for Capital Allocation

Description: *SCE does not use RSE estimates as a factor for determining capital allocation across its portfolio of mitigation measures (e.g., prioritizing between vegetation management and grid hardening)*

Required Progress: *In its 2023 WMP, SCE must show that it is using RSE estimates to determine capital allocation across its portfolio of mitigation measures or detail an action plan and associated timeline for using RSE estimates to determine portfolio-level periodization.*

SCE's Response

RSE represents a relative measure of estimated cost-effectiveness for actions a utility takes to mitigate a specific risk. RSE scores may offer certain insights into how effective a mitigation appears to be in reducing risk at a system or portfolio level, while providing guidance on how effective new mitigations may appear to be.

RSEs continue to be an important factor in SCE's decision-making process for how to allocate scarce resources across its portfolio of mitigation measures. As is evident from SCE's response to SCE-22-22 and SCE-22-23, SCE has increased the scope of RSE measurement since its 2022 WMP and has taken definitive steps to further validate and refine its approach to RSE development and evaluation through the use of a third-party, independent evaluator.

It is important to recognize that RSEs are not and should not be the only factor used to develop a proposed risk mitigation plan. The RSE metric does not take into account certain operational realities, resource constraints, and other factors that SCE must consider in developing its mitigation plan. For example, if one were to consider PSPS as an ignition mitigation that hypothetically had a very high RSE score, there are critical practical and regulatory limits to how much PSPS can be deployed. SCE tries to minimize the use of PSPS given the hardships they cause for our customers. The California Public Utilities Commission expressly prescribes that PSPS should be used "as a last resort" despite any relatively high RSE.[311]

Accordingly, to address the most pressing safety risks facing SCE, SCE develops a comprehensive and balanced mitigation plan with activities that will collectively reduce the greatest amount of risk in the shortest amount of time, considering RSE, as well as various regulatory, operational, resource, and cost constraints. To do otherwise would not be prudent. For example, it would be inappropriate to implement a comprehensive wildfire risk mitigation plan based solely on RSEs, which would likely lead to significant parts of the system and potentially significant risk issues being left unaddressed.

SCE developed RSEs to help inform the portfolio of mitigation initiatives in SCE's 2023-2025 WMP, but notes that RSE values were not the sole barometer when making operational decisions and prioritizing mitigation efforts. SCE discusses its risk-informed decision-making process in more detail in Section 7 of this WMP.

Use of RSEs in Development of SCE's 2023 – 2025 WMP

SCE made meaningful progress incorporating RSEs into the capital allocation process for its 2023 – 2025 WMP. First, SCE refreshed and refined the inputs used to calculate RSEs for mitigations with existing RSEs, including driver and sub-driver data, consequence impacts, scope and cost forecasts, and other

[311] *See* D.21-06-034, p. 17, *citing* D.19-05-042, Appendix A at A1; D. 20-05-051, Appendix A at 9.

factors. Second, SCE developed new RSEs for mitigation initiatives not previously scored or new for considered into SCE's 2023 – 2025 WMP. The development of RSE input data was led by SCE's engineering and technical experts and generally based first on data and analytics from system and asset operations, and then supplemented by technical expertise.

SCE then calibrated and challenged the RSEs developed by these experts in a series of challenge sessions with SCE management, where the overall RSE scores and assumptions were evaluated, and action items were taken to further analyze and improve RSE scores. To enhance this evaluation, SCE developed a dashboard to visually display RSE information and enhance information sharing across relevant internal stakeholders. This dashboard allowed stakeholders to compare and contrast input data, assumptions, mitigation effectiveness factors, risk reduction, and several other data points to better understand and pressure-test the RSE scores. In addition, this tool was made available to business line planning teams to help inform their portfolio planning discussions.

As RSEs were refined, they were presented to senior leadership during various executive leadership scope and strategy sessions for final review and approval. As part of those discussions, management requested operational teams to further review scope/implementation plans for select mitigations based on the RSE to ensure appropriate portfolio optimization.

As Energy Safety notes in its final Technical Guidelines for the 2023 – 2025 WMPs, the California Public Utilities Commission is in the process of re-evaluating the appropriate metric to use to evaluate the efficiency and effectiveness of mitigation initiatives. SCE will modify its use of RSEs in accordance with the developments of that process, which may likely result in a change to how the RSE is calculated, and how it is ultimately used. SCE intends to build upon its efforts for this WMP to use RSEs to help inform capital allocation across our 2023 – 2025 wildfire mitigation portfolio in concert with those changes.

SCE-22-25 Increasing PSPS Thresholds on Hardened Circuits

Description: *SCE indicated it will gradually include the benefits of hardened circuits as inputs to its PSPS consequence model. However, SCE included no specific timeframe for when it will raise thresholds.*

Required Progress: *In its 2023 WMP, SCE must report on whether higher PSPS thresholds were adopted as a result of grid hardening measures. If so, SCE should confirm which circuits benefited and provide details on the extent to which PSPS thresholds were raised.*

SCE must clarify in its 2023 WMP whether higher PSPS thresholds were adopted prior to September 30, 2022, for potential use during the time of year when dry, windy weather conditions, combined with a heightened fire risk, are most often forecasted to drive need for PSPS events. If it has not raised thresholds, SCE must explain why and by when it will include raised thresholds.

SCE's Response

SCE may elect to raise individual circuit or circuit segment thresholds when sufficient grid hardening (primarily covered conductor) has been installed or through the circuit exception process.[312] In these instances, SCE may raise wind speed thresholds to 40mph sustained winds or 58mph gusts, which aligns with the National Weather Service high wind warning level for wind speeds at which infrastructure damage may occur. SCE is considering the creation of a new modeling criteria that would change how and where elevated thresholds are set. See SCE-22-26 for more detail.

As a result of SCE's grid hardening efforts and exception process, which are both targeted to reduce PSPS impacts, SCE raised wind speed thresholds to the higher National Weather Service High Wind Warning values on part or all of the following circuits as of September 30, 2022:

- Acosta
- Ambercrest
- Anaconda

[312] SCE removes circuit segments from PSPS protocols in situations where persistent or prevalent wildfire risk associated with these segments are temporarily abated or no longer exist, through a circuit exception process. While the potential for reducing PSPS based on circuit exceptions is much more limited than grid hardening activities, the exception process does not require installation or replacement of assets and, therefore, analysis and application of this option can typically be performed quicker than grid hardening activities when the latest information supports such exceptions. The circuit exception review process begins when SCE personnel identify a line segment which—despite being located in HFRA—might currently pose a very low risk for wildfire ignition or fire spread. For example, a portion of a circuit found to be traversing over a recent burn scar may be a candidate for circuit exception. Circuit segments can be identified as candidates for exception review as SCE begins preparing detailed designs for grid hardening activities, or through specific feedback received from field personnel. This process requires current and local knowledge of changing conditions to inform the circuit review process. Identified circuit segments are reviewed by SCE's PSPS operations, fire science, and risk management experts evaluating the circuit segment's unique characteristics (e.g., construction type, outage history) and location characteristics (e.g., fuel quantity, fuel type, fuel dryness, fuel age, history of fires in the area) to determine if that circuit segment can be exempt from PSPS monitoring and de-energization due to low wildfire risk.

- Angus
- Anton
- Arlene
- Avanti
- Balcom
- Barrington
- Big Rock
- Bouquet
- Calstate
- Campanula
- Cassidy
- Coachella
- Cobra
- Conejo
- Condor
- Cuddeback
- Dartmouth
- Duke
- Dysart
- Easter
- Echo
- Fingal
- Frozen
- Galena
- Green River
- Gunsite
- Hillfield
- Mckevett
- Mettler

- Middle Road
- Pheasant
- Python
- Rainbow
- Ranier
- Shovel
- Sand Canyon
- Steel
- Stores
- Tejon Peak
- Vargas
- Vera Cruz
- Whizzin
- Zone

Since September 30, 2022, SCE has also raised wind speed thresholds to the higher NWS High Wind Warning values on part or all of the following four circuits:

- Enchanted
- Jeep
- Julius
- Kickapoo Trail

SCE was also able to raise thresholds on at least 22 other circuits (or segments thereof) prior to the height of the 2022 fire season by either validating the installation of covered conductor upgrades outside of PSPS-Driven Grid Hardening work (formerly SH-7) or through the circuit exception process.

SCE-22-26 PSPS System Damage in Consequence Modeling

Description: *In 2021 field personnel inspecting lines prior to restoring power after PSPS events found 46 incidents of wind-related damage. This damage was on lines de-energized during PSPS events that potentially could have caused ignitions. SCE has not performed consequence modeling based on these damage points to better understand potential incidents that the shutoffs may have prevented.*

Required Progress: *In its 2023 WMP Update, SCE must report on progress to include observed PSPS event damage points as data input into its PSPS consequence models*

SCE's Response

SCE is expecting to solicit proposals this year from external technical firms to develop a defensible methodology for more predictive, risk-driven modeling that can derive wind speed thresholds down to the circuit segment level. This solution may include machine learning (ML) and artificial intelligence (AI) inputs to guide probability of failure determinations as prominent factors for de-energization thresholds. SCE's intention is to include data points from actual historical damage to SCE assets by type, associated wind speed, and more.

SCE's intention is that combining predictive modeling inputs with known historical failures should allow SCE to develop wind speed thresholds that are informed by the conditions that caused PSPS event damage points previously. SCE will develop this new methodology in 2023.

SCE is also evaluating the potential consequences should an ignition have occurred in the 46 incidents in 2021 in which wind-related damage was found after PSPS events. This analysis is underway but not yet complete as SCE is working to make sure that historical conditions for the 46 incidents are correctly accounted for in the consequence modeling. Barring unexpected challenges with the historical data or modeling calculations, SCE plans to complete the analysis by the end of Q2, 2023.

SCE-22-27 Lessons Learned from PSPS Implementation

Description: *As identified by SCE in its lessons learned from implementing 2021 PSPS events, SCE noted deficiencies regarding operations in the face of rapidly escalating events. Deficiencies were in the areas of notification and stakeholder engagement, restoration planning, resource availability, customer engagement, communication cadence, and improving forecasting models to improve communications.*

Required Progress*: In its 2023 WMP Update, SCE must report on progress in the following areas:*

1) Refining weather forecasting capabilities to improve ability to estimate wind speeds at specific locations where PSPS events have occurred most frequently.

2) Using updated air operations training protocols for timely inspections to improve restoration times.

3) Addressing gaps in logistics processes through additional staffing resources and other approaches for community resource center/community care vehicle supplies.

4) Providing customers more specific and accurate restoration time notification messages.

5) Providing sufficient notice for customers to prepare for potential de- energizations without notifying customers who are unlikely to be de- energized (over-notifying vs. under-notifying).

6) Refining its weather models to inform customers more accurately of potential de-energization ahead of time.

SCE's Response

1) Refining weather forecasting capabilities to improve ability to estimate wind speeds at specific locations where PSPS events have occurred most frequently.

SCE is in the process of adding machine learning capabilities that incorporate weather station observations to correct bias and improve model forecasts at point locations. SCE selected 64 locations in 2021, adding 500 locations in 2022, with plans to add approximately 600 in 2023. The locations have been prioritized by the frequency of reaching or exceeding PSPS wind speed criteria during low relative humidity conditions. The locations chosen must also have at least six months of observations available in order to train the new models. Please also see SCE's response to ACI SCE-22-08 (Weather Station Improvements) and Section 8.3 (Situational Awareness) for additional details on weather forecasting improvements.

2) Using updated air operations training protocols for timely inspections to improve restoration times.

In 2022, SCE created a PSPS Task Force Job Aid for Rules of Engagement (Job Aid), which includes operations training protocols for inspections to improve restoration time. SCE updated the PSPS Task Force Operations Section Chief and Task Force Unit Leader appendices of this Job Aid to add a protocol to work with the Air Operations Branch Director and Task Force Unit Leader to determine the strategy in positioning air resources (e.g., considering pre-placing aircraft to be closer to de-energized areas) as needed in support of expediting anticipated and/or actual restoration activities. The appendices were also edited to expand on reviewing the staffing strategy utilized before or during Medium and Large

events[313], such as requiring additional Task Force Units to be activated to focus on restoration activities and considering whether to activate an Electrical Service IMT Restoration Branch Director to assist with resource procurement and management to aid the Restoration Task Force Unit in restoration.

3) Addressing gaps in logistics processes through additional staffing resources and other approaches for community resource center/community care vehicle supplies.

Community resource center (CRC) and community care vehicle (CCV) logistics gaps have been addressed through: 1) reducing lead time for restocking some items where possible, 2) providing teams with lead times for restocking to inform timely restock ordering, and 3) placing supplies in three separate service centers. SCE has also addressed staffing concerns by establishing a fully rostered field staff and will grow the roster of resources by continuing to recruit for additional resources.

4) Providing customers more specific and accurate restoration time notification messages.

In 2022, SCE started the process to provide more dynamic restoration information on sce.com. Several steps were completed in 2022, including creating notification templates for both customers and public safety partner notifications, creating templated language for sce.com, and creating process flowcharts. However, the complete process was not fully available during the 2022 fire season as SCE continued to automate the restoration data and data flows between the operations and external engagement actions.

The ability to provide more dynamic restoration information is currently limited by technical constraints including a lack of historical predictive data, technical limitations in coordinating individual estimated restoration time (ERT) notifications at the circuit or circuit-segment level given the potential number of circuit segments involved, translation requirements for ad hoc messaging, and due to PSPS outages requiring patrol of the entire length of every de-energized circuit by truck, helicopter, or on foot. In large events, due to the potential size of sustained damage, it is difficult to forecast as time is required not only to patrol the circuits impacted but to remediate any hazards/damages. Additionally, larger events also often involve crews needing to patrol multiple circuits.

5) Providing sufficient notice for customers to prepare for potential de- energizations without notifying customers who are unlikely to be de- energized (over-notifying vs. under-notifying).

SCE continues to enhance operational plans to remove more customers from scope in advance of events, which also reduces over-notification to the customers who are not ultimately switched off of impacted circuits. In 2022, SCE improved weather modeling with the addition of 500 new machine learning models (see response #6 below). Additionally, we have created a program to pre-segment certain circuits in which not all segments are typically impacted similarly to PSPS events. This should remove over-notification on some frequently impacted circuits by allowing us to notify at the circuit-segment level on these circuits.

6) Refining its weather models to inform customers more accurately of potential de-energization ahead of time.

In 2022, a total of 500 new machine learning model forecast locations were developed to improve wind

[313] SCE defines small events as less than 25 circuits; medium events as 25 to 75 circuits; large events as 75 or more circuits.

speed and wind gust forecasts at select point locations. These more accurate forecasts will help better identify which customers may be subject to potential proactive de-energizations ahead of a PSPS event. The new machine learning capabilities also provide probabilistic forecasts, which allow SCE to better plan around forecast uncertainties and are intended to lead to better notification accuracy through advanced lead time. SCE will continue to prioritize the development of new machine learning forecasts in 2023 with between 500 - 600 new forecast locations expected based on available data. Even though SCE runs multiple sophisticated weather models and has added new machine learning capabilities, no forecast is perfect due to limitations in the science of numerical weather prediction and the uncertainty of weather. The California Public Utilities Commission has recognized the impact of weather forecasting limitations on the IOUs' ability to provide advance notifications. See, e.g., D.19-05-042, pp. 86, A7-A8, which states, "Recognizing that there may be times when advance notice is not possible due to emergency conditions beyond the electric investor-owned utilities' control, the electric investor-owned utilities must, whenever possible, provide advance notification"; "Electric investor-owned utilities should, whenever possible, adhere to the [] minimum notification timeline" (emphasis added).

APPENDIX E: REFERENCED REGULATIONS, CODES, AND STANDARDS

In this appendix, the electrical corporation must provide in tabulated format a list of referenced codes, regulations, and standards. An example follows.

Name of Regulation, Code, or Standard	Brief Description
14 C.F.R. § 107, et seq.	FAA certification for Unmanned Aircraft Systems & pilots
14 C.F.R. § 133, et seq.	Rotorcraft External-Load Operations
14 C.F.R. § 61, et seq.	FAA Certification: Pilots, Flight Instructors, and Ground Instructors
14 C.F.R. § 91, et seq.	General Operating and Flight Rules
16 U.S.C. § 1362 et seq. (Marine Mammal Protection Act (MMPA)	Protects endangered marine mammals
16 U.S.C. § 1451 et seq. (Federal Coastal Zone Management Act)	Bureau of Ocean Energy Management- protection, management, and development of the coastal zone
16 U.S.C. § 1451 et seq. (Federal Coastal Zone Management Act)	protect the coastal environment from growing demands associated with residential, recreational, commercial, and industrial uses
16 U.S.C. § 668 et seq. (Bald and Golden Eagle Protection Act (BGEPA)	prohibits anyone from "taking" bald or golden eagles, including their parts, including feathers, nests, or eggs.
16 U.S.C. § 703 et seq. (Migratory Bird Treaty Act (MBTA))	Outlaws the taking, killing, or possessing migratory birds
16 U.S.C. §§ 1531-1544 (Federal Endangered Species Act of 1973(ESA))	provide a means whereby the ecosystems upon which endangered species and threatened species may be conserved
16 U.S.C. §§ 470aa–470mm (Archaeological Resources Protection Act (ARPA)	Protection of archaeological resources and sites which are on public lands and Indian lands
16 U.S.C. §§ 470aaa-470aaa-11 (Paleontological Resources Preservation Act (PRPA)	provides specific mandates for administering paleontological resource research and collecting permits and the curation of fossil specimens in museum collections
25 U.S.C. § 3001 et seq. (Native American Graves Repatriation Protection Act (NAGRPA)	Gives rights of Indian tribes to obtain repatriation of human remains, funerary objects, sacred objects, and objects of cultural patrimony from federal agencies and museums.
33 U.S.C. §§ 1251-1388 (Federal Clean Water Act (CWA)	establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating quality standards for surface waters.
42 U.S.C § 4321 et seq. (National Environmental Policy Act (NEPA)	policy to encourage harmony between man and his environment; promote efforts to prevent or eliminate damage to the environment; stimulate health and welfare of man; enrich understanding of ecological systems and natural resources; and to establish a Council on Environmental Quality
54 U.S.C. §§ 300101-307108 (National Historic Preservation Act (NHPA)	Preservation policy for historic property

Name of Regulation, Code, or Standard	Brief Description
54 U.S.C.§§ 320301-320303 (Antiquities Act of 1906)	provide general legal protection of cultural and natural resources of historic or scientific interest on Federal lands
A.22-05-013	Risk Assessment Mitigation Phase Proceeding (RAMP)
AB 1054 (2019)	Rules for reviewing and setting of HFTD boundaries every year
AB 2911 (2018)	Identification of fire districts without a secondary egress route that are at significant fire risk
AB 52 (2014)	California Assembly bill requiring that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource and requires consultation with Native American under CEQA
California Code of Regulations, Title 13, §§ 2450 - 2465	Portable Equipment Registration Program (PERP) and Portable Engine Airborne Toxic Control Measure
California Code of Regulations, Title 14, § 15268(d)	Definition of “ministerial projects”
California Code of Regulations, Title 14, § 15381	Definition of “responsible agency”
California Code of Regulations, Title 14, §§ 1250 - 1258	provide specific exemptions from: electric pole and tower firebreak clearance standards, electric conductor clearance standards and to specify when and where the standards apply.
California Environmental Quality Act (CEQA)	requires public agencies to “look before they leap” and consider the environmental consequences of their discretionary actions
California Fish and Game Code §§ 1600 - 1616	Protection and conservation of the fish and wildlife resources in lakes and streams
California Fish and Game Code § 2050 et seq. (California Endangered Species Act (CESA))	Legislation to conserve, protect, restore, and enhance any endangered species or any threatened species and its habitat
California Fish and Game Code § 2080 et seq.	California Endangered Species Act - prohibition of trading endangered or threatened species
California Fish and Game Code § 3503	Prohibits destruction of bird nests and eggs
California Fish and Game Code § 3503.5	Prohibits possession or destruction of birds-of-prey
California Fish and Game Code § 3511	Prohibits possession of fully protected birds without a license
California Fish and Game Code § 3513	Prohibits possession of migratory nongame bird as designated in the Federal Migratory Bird Treaty Act (16 U.S.C. Sec. 703 et seq.)
California Fish and Game Code § 3800	Definition of nongame birds and mining regulation affecting same
California Fish and Game Code § 4700	Definition of fully protected mammals
California Fish and Game Code § 5050	Protection of reptiles and amphibians
California Fish and Game Code § 5515	Definition of fully protected fish and possession prohibition
California Fish and Game Code §§ 1900-1913 (Native Plant Protection Act)	Preservation, protection and enhancement of endangered or rare native plants of California

Name of Regulation, Code, or Standard	Brief Description
California Fish and Game Code §§ 5650 - 5652	Prohibit the deposition, passage of, or disposal of deleterious materials into the waters of the state, or within 150 feet of the highwater mark of waters of the state
California Food and Agriculture Code §§ 80001-80201 (California Desert Native Plants Act)	Protection of native plants from unlawful harvesting on both public and privately owned lands
California Government Code § 8593.3(f)(1)	Definition of access and functional population
California Health and Safety Code §§ 39000 - 44474	Protection of ambient air quality, control, and maintenance
California Public Resources Code § 21069	Definition of “responsible agency,” “ministerial projects” and the Endangered Species Act
California Public Resources Code § 21080.3.2	California Environmental Quality Act permits mitigation measures capable of lessening impacts to a tribal cultural resource
California Public Resources Code § 30000, et seq. (California Coastal Act)	California Coastal Commission rules including delegation of Local Coastal Programs (LCPs) to cities and counties and guides how the land along the coast of California is developed, or protected from development
California Public Resources Code § 4290.5	Identification of fire districts without a secondary egress route that are at significant fire risk
California Public Resources Code § 4291	defensible space requirement for land covered in flammable material
California Public Resources Code § 4292	Clearance requirements around structures
California Public Resources Code § 4293	maintain a clearance of the respective distances which are specified in this section in all directions between all vegetation and all conductors which are carrying electric current; Mitigation requirement of hazards posed by dead trees or significantly compromised and maintenance of clearance of the respective distances from power lines
California Public Utilities Code § 326(a)(2)	Meaning of “maximum feasible”
California Public Utilities Code § 8386(a)	Electrical corporation’s duty to minimize catastrophic wildfires
California Water Code § 13000, et seq. (California Porter-Cologne Water Quality Control Act)	Conservation, control, and utilization of the water resources of the state, and quality protection. Water Quality Control Board including multiple Regional Water Quality Control Boards
D.12-01-032	Decision adopting regulations to reduce fire hazards associated with overhead power lines and communication facilities; and decision approving the work plan for the development of fire map 1
D.12-04-024	Decision re Electric Investor Owned Utilities reporting requirements for Resolution ESRB-8 Extending De-Energization Reasonableness, Notification, Mitigation.

Name of Regulation, Code, or Standard	Brief Description
D.14-01-010	Decision adopting regulations to reduce fire hazards associated with overhead power lines and communication facilities; and decision approving the work plan for the development of fire map 1
D.15-05-006	Decision modifying HFTD boundaries in SCE's territory
D.17-12-024	Decision adopting regulations to enhance fire safety in the HFTD
D.18-12-014	Adoption of 2018 Safety Model Assessment Proceeding (S-MAP)
D.19-05-042	PSPS Order Instituting Rulemaking (OIR) Phase 1
D.20-05-051	PSPS Order Instituting Rulemaking (OIR) Phase 2
D.20-05-051	Implementation of pilot projects to investigate the feasibility of mobile EV Level 3 fast charging for areas impacted by PSPS events.
D.20-05-051	quarterly meetings to provide updates on PSPS enhancement efforts and solicit input for improvement areas in how SCE approaches PSPS overall and provides a forum for stakeholders to propose ways to improve all aspects of PSPS
D.20-08-046	Climate Adaptation Vulnerability Assessment: utilities to study climate risks to their assets, operations, and services and to file the assessment results one year before their GRC to enable the results of the assessment to inform GRC requests
D.20-12-030	Decision modifying the high fire-threat district boundaries in SCE service territory
D.21-06-014	PSPS Order Instituting Investigation
D.21-06-034	PSPS Order Instituting Rulemaking (OIR) Phase 3
GO 128	Rules for construction of underground electric supply and communication systems.
GO 165	Inspection Requirements for Electric Distribution and Transmission Facilities
GO 166	Standards for Operation, Reliability, and Safety during Emergencies and Disasters
GO 167-B	Enforcement of Maintenance and Operation Standards for Electric Generating Facilities.
GO 174	Rules for Electric Utility Substations, governing standards for substation inspection and management
GO 95	Public Utilities Commission Rules for Overhead Electric Line Construction
GO 95 Rule 37	Minimum Clearances of Wires above Railroads, Thoroughfares, Buildings, Etc.
GO 95, Appendix E	Specifies increased time-of-trim clearances between bare-line conductors and vegetation.
GO 95, Rule 18	Prioritization of maintenance utilizing a three-tier priority maintenance system

Name of Regulation, Code, or Standard	Brief Description
GO 95, Rule 18A	Requires electric utilities to place a high priority on the correction of significant fire hazards.
GO 95, Rule 22.8-A, 22.8-B, 22.8-Cor22.8-D	Meaning of "Protective Covering, Suitable" and minimum standards for ground/bond wire, supply conductor, bolt covers, insulated flexible conduit
GO 95, Rule 31.1	Design, Construction and Maintenance of overhead lines
GO 95, Rule 35	Mitigation requirement of hazards posed by dead trees or significantly compromised. Mandate for removal of dead trees that overhang or lean toward a supply line; Mandates vegetation management to prevent encroachment into Clearance Zones
GO 95, Rule 35 Appendix E	Specifies vegetation management expanded clearances, Grid Resiliency Clearance Distance (GRCD)
GO 95, Rule 35, Table 1, Case 14	requires increased radial clearances between bare-line conductors and vegetation in high fire-threat areas of Southern California.
GO 95, Rule 44.2	Ad hoc inspections through IPI program
GO 95, Rules 31.2, 80.1A and 90.1B	sets the minimum frequency for inspections of aerial communication facilities located in close proximity to power lines.
GO 95, Sections V, VI, VII, VIII, X & XI	Height of Electrical Equipment in the Service Territory
I.14-03-004	Order Instituting Investigation on the Commission's Own Motion into the Operations and Practices of SCE Regarding the Acacia Avenue Triple Electrocution Incident in San Bernardino County and the Windstorm of 2011
Material Specifications 454	SCE's inspection and treatment of wood poles in service. Details on how to do intrusive inspection and the criteria for passing/failing of poles
R.08-11-005	Decision adopting regulations to reduce fire hazards associated with overhead power lines and communication facilities; and decision approving the work plan for the development of fire map 1
R.08-11-005	Order Instituting Rulemaking to Revise and Clarify Commission Regulations Relating to the Safety of Electric Utility and Communications Infrastructure Provider Facilities.
R.15-05-006	Order Instituting Rulemaking to Develop and Adopt Fire-Threat Maps and Fire-Safety Regulations.
R.18-04-019	Order Instituting Rulemaking to Consider Strategies and Guidance for Climate Change Adaptation
R.19-09-009	Order Instituting Rulemaking Regarding Microgrids Pursuant to Senate Bill 1339 and Resiliency Strategies
R.20-07-013	CPUC Order Instituting Rulemaking to Further Develop a Risk-Based Decision-Making Framework

Name of Regulation, Code, or Standard	Brief Description
	for Electric and Gas Utilities
R.20-07-013	Order Instituting Rulemaking to Further Develop a Risk-Based Decision-Making Framework for Electric and Gas Utilities
Resolution ESRB-4	Mitigation requirement of hazards posed by dead trees or significantly compromised. Directs Investor Owned Electric Utilities to take remedial measures to reduce the likelihood of fires started by or threatening utility facilities.
Resolution ESRB-8	Resolution Extending De-Energization Reasonableness, Notification, Mitigation, and Reporting Requirements in Decision 12-04-024 to All Electric Investor Owned Utilities
Resolution SED-5 and SED-5A	Resolution approving administrative consent order and agreement of the Safety and Enforcement Division and SCE regarding the 2017/2018 Southern California fires pursuant to Resolution M-4846
SB 901 (2018)	Senate bill requiring IOUs to file Wildfire Mitigation Plans.
Substation Construction and Maintenance; Maintenance and Inspection Manual	Policies and procedures for substation inspections and maintenance
System Operating Bulletin 21	System Emergency Response Plan
System Operating Bulletin 322	SCE's Standard Operating Bulletin criteria for FCZ, FWT, HFRA, PSPS & TT
Various Encroachment Permits	Permitting governed by CA Dept. of Transportation, CA Dept. Water Resources

APPENDIX F: SUPPLEMENTAL INFORMATION

F1: Continuation of Section 5 - Overview of Service Territory

Below is a list of the WMP Guidelines sections which require additional graphs or maps:

Section Number	Section Title
5.3.4.1 General Climate Conditions	General Climate Conditions
5.3.4.2 Climate Change Phenomena and Trends	Climate Change Phenomena and Trends

Below are the additional graphs.

5.3.4.1 General Climate Conditions

SCE provides graphs for 11 fire climate zones (FCZ) on the "Temperature & Precipitation". Figure 5-2 in Section 0 provides the temperature and precipitation from 1980 to 2021. The additional ten figures reflecting this information are provided below. Figures are as of 10/26/2022 and the data source is from the 40-year internal dataset. Data source is from SCE's 40-year internal dataset which was generated by third party vendor, Atmospheric Data Solutions (ADS) by downscaling the Climate Forecast System Reanalysis (CFSR) data which comes from the National Center for Atmospheric Research (NCAR).

Figure 5-2-1 - Annual Mean Climatology for SCE Service Territory (FCZ 2 - Inland Valleys)

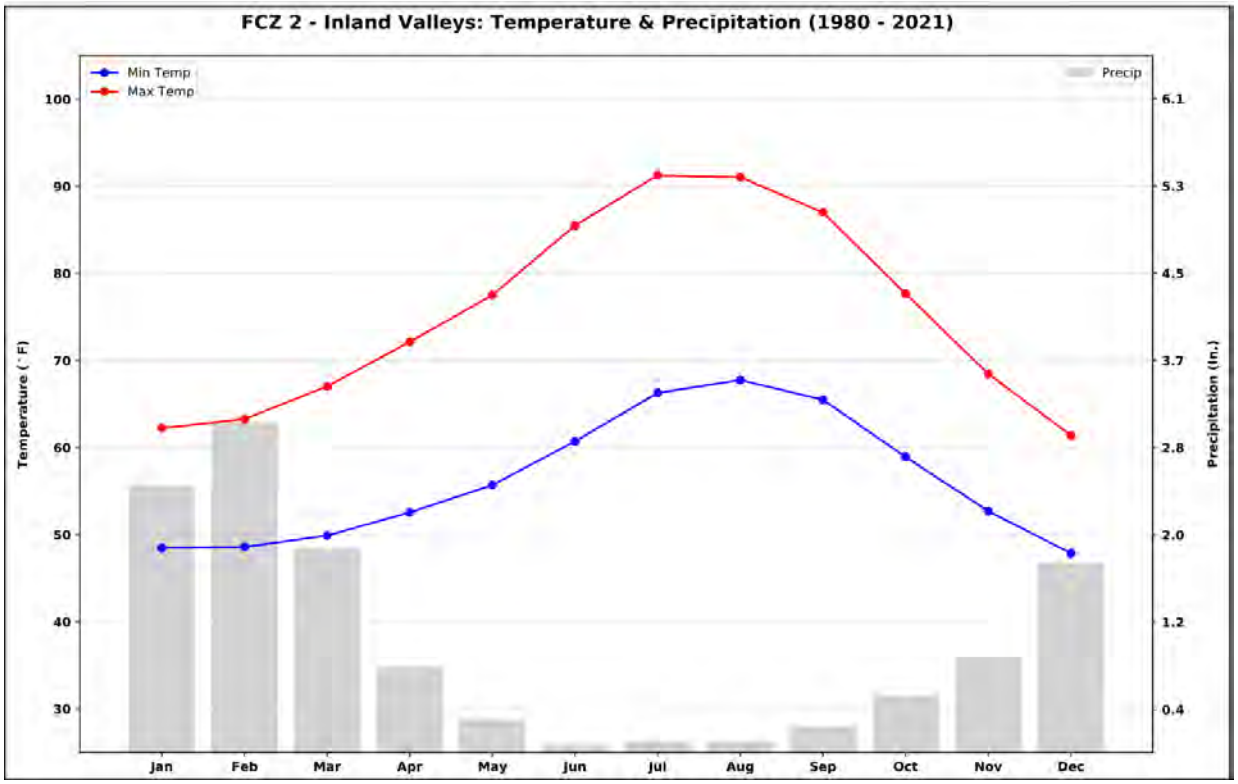


Figure 5-2-2 - Annual Mean Climatology for SCE Service Territory (FCZ 3- Western Mountains)

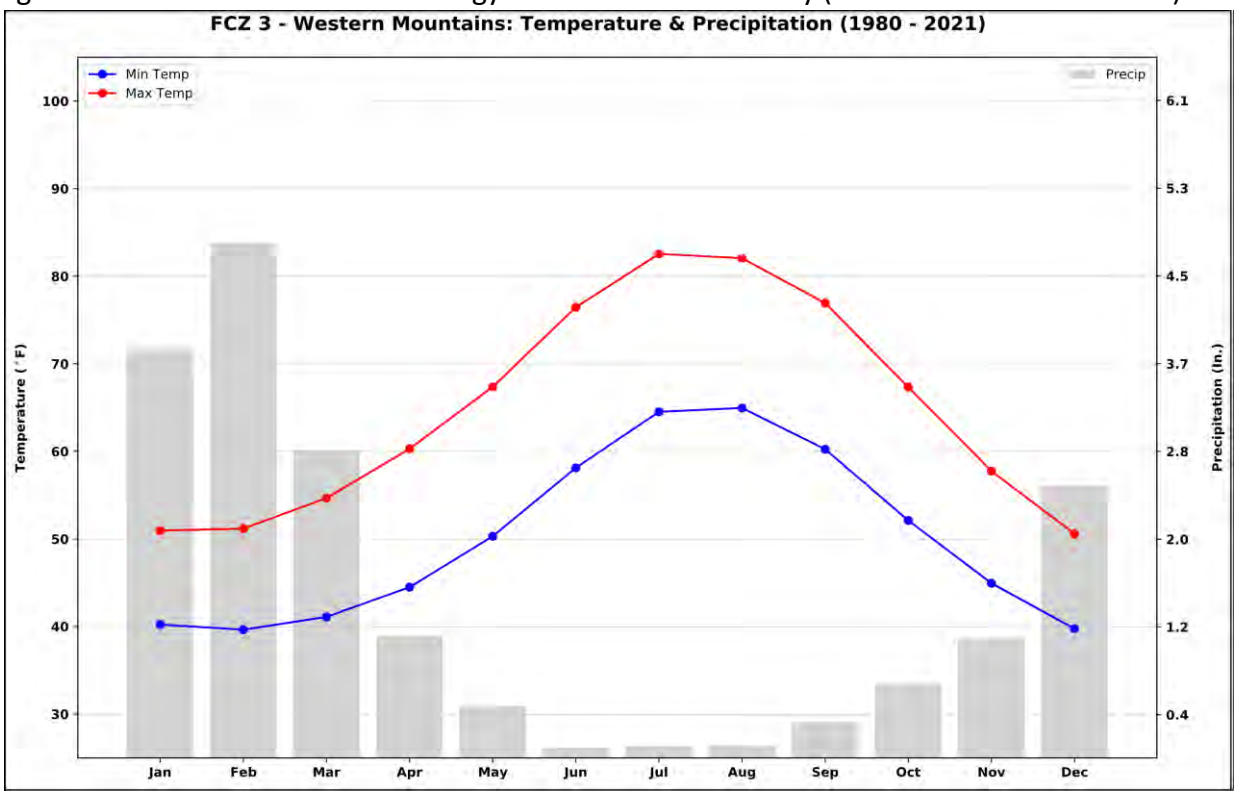


Figure 5-2-3 - Annual Mean Climatology for SCE Service Territory (FCZ 4 - Eastern Mountains)

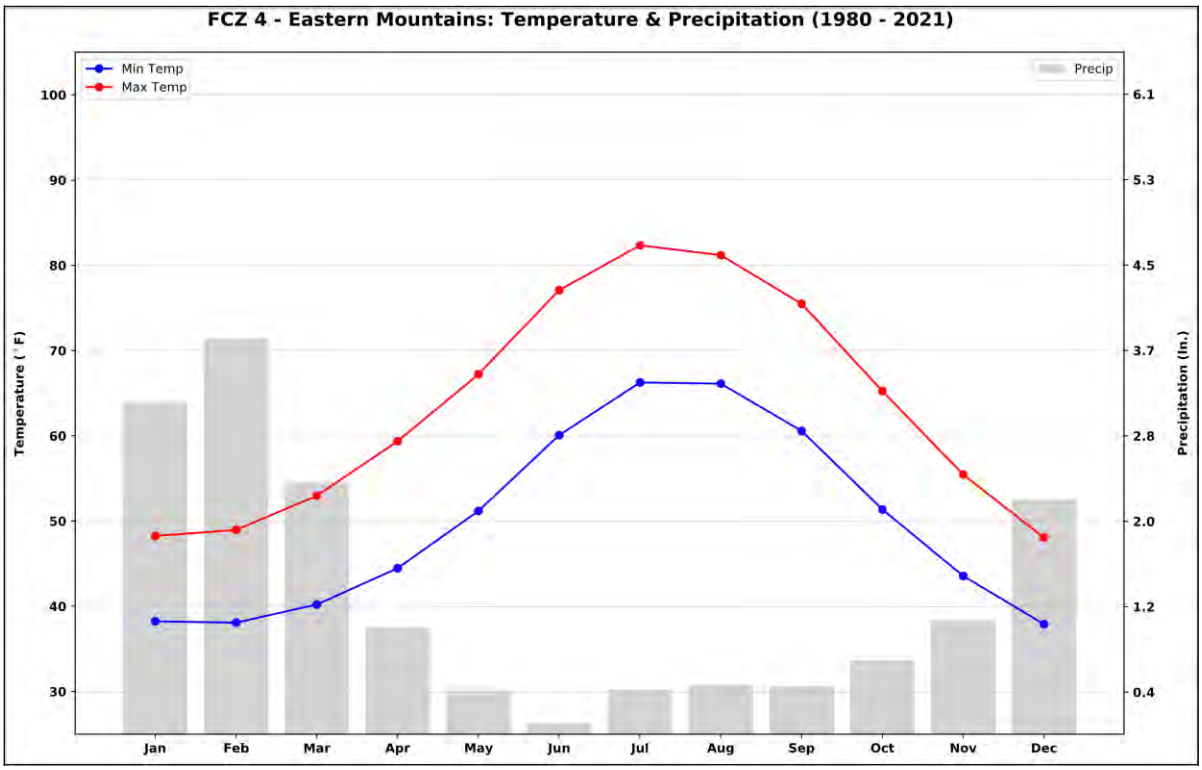


Figure 5-2-4 - Annual Mean Climatology for SCE Service Territory (FCZ 5 - Eastern Desert)

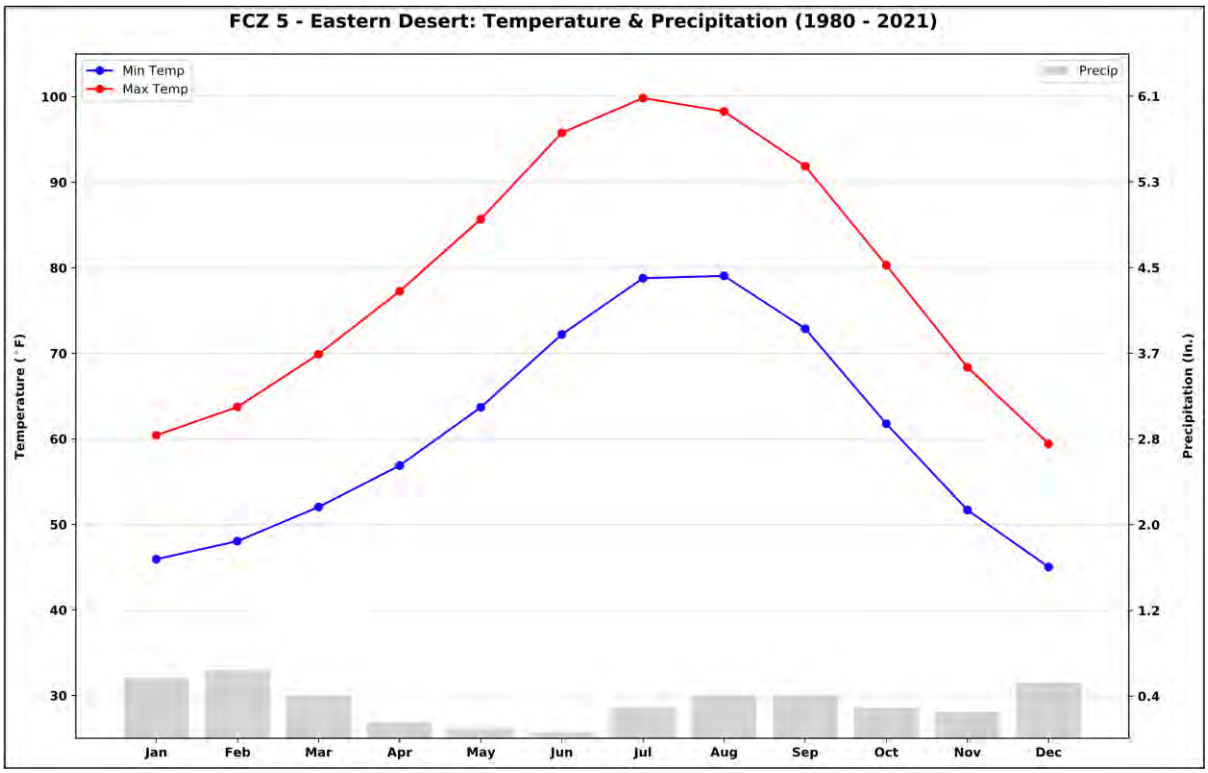


Figure 5-2-5 - Annual Mean Climatology for SCE Service Territory (FCZ 6 - Upper Desert)

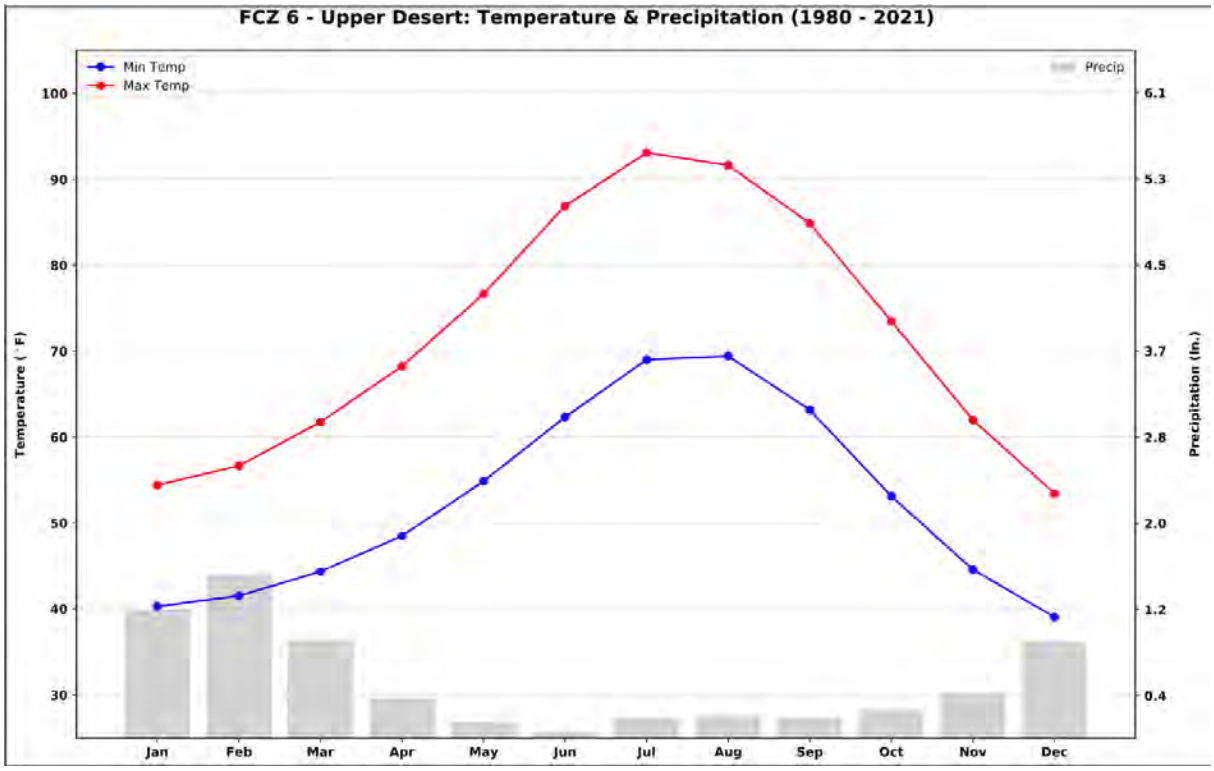


Figure 5-2-6 - Annual Mean Climatology for SCE Service Territory (FCZ 7 - Mojave)

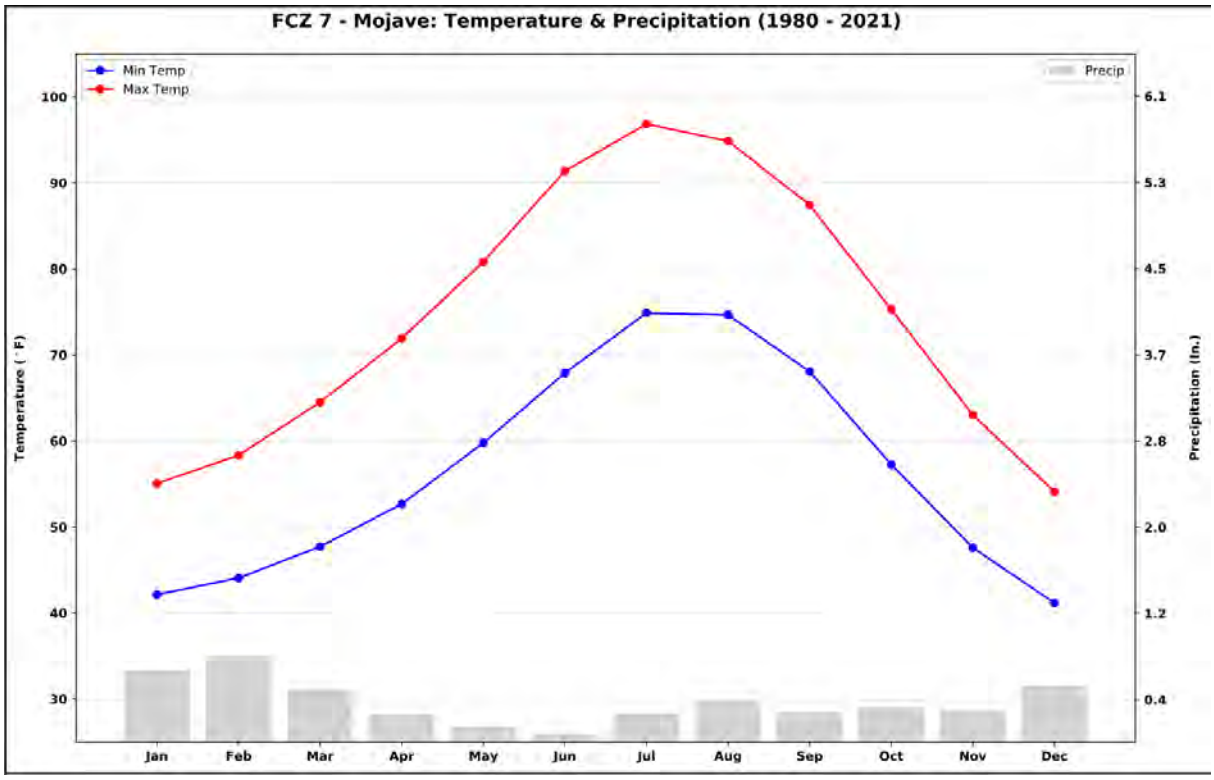


Figure 5-2-7 - Annual Mean Climatology for SCE Service Territory (FCZ 8 – Northern Desert)

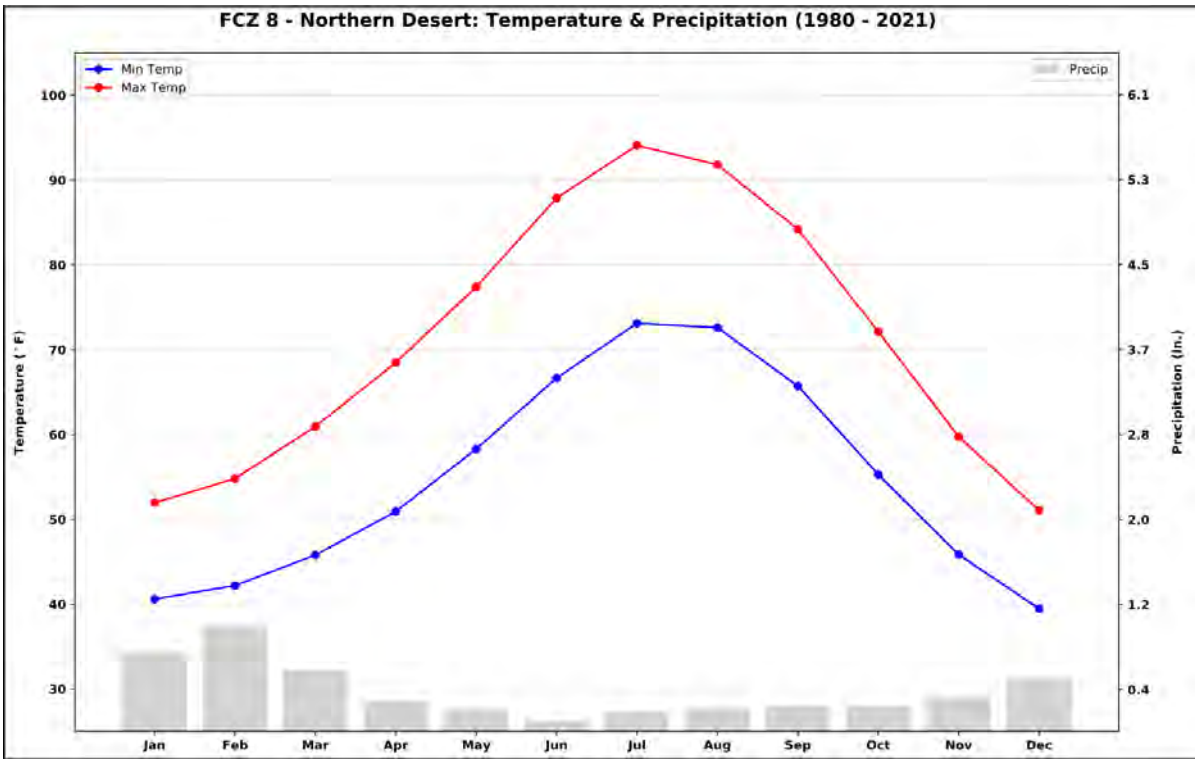


Figure 5-2-8 - Annual Mean Climatology for SCE Service Territory (FCZ 9 – Inyo)

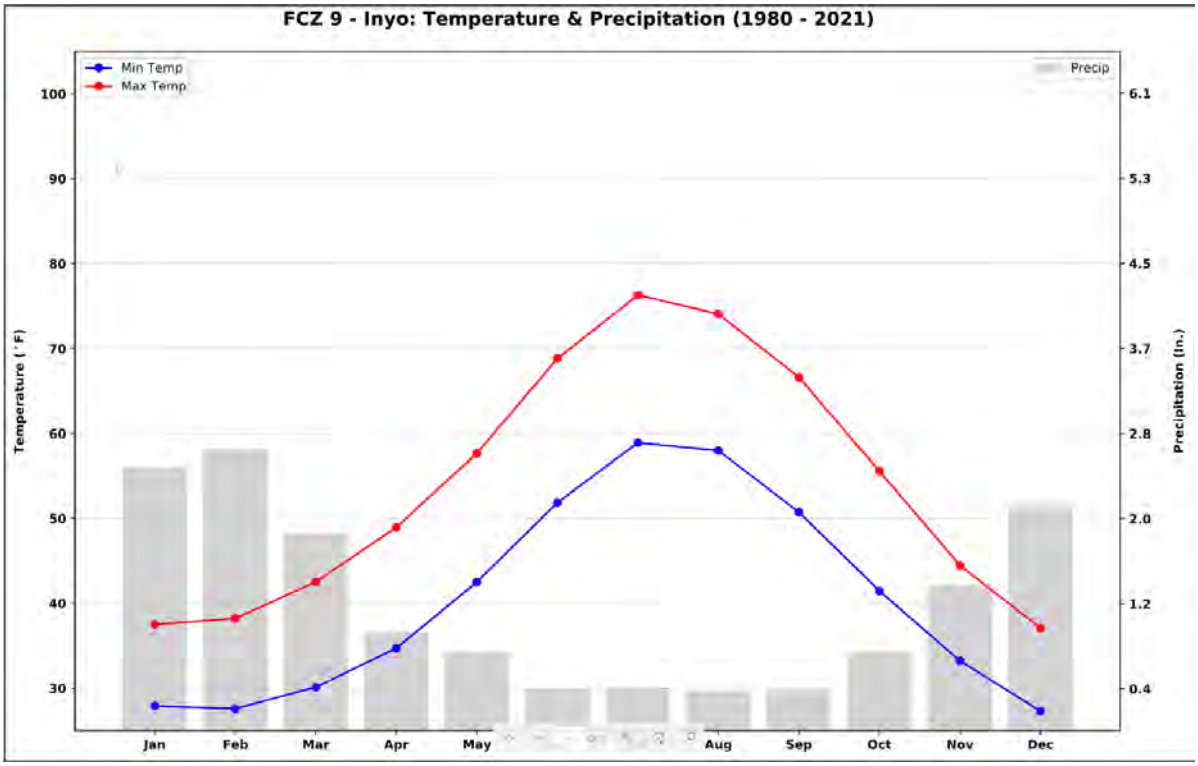


Figure 5-2-9 - Annual Mean Climatology for SCE Service Territory (FCZ 10 – Sierra)

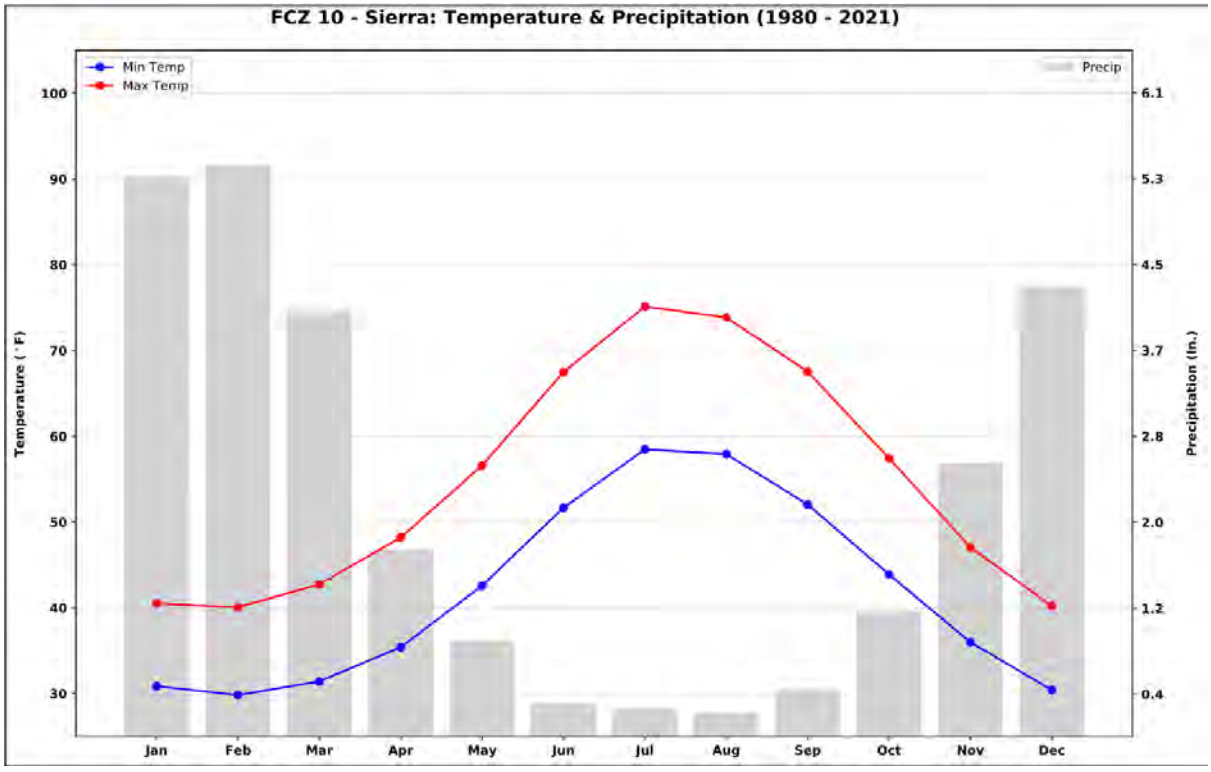


Figure 5-2-10 - Annual Mean Climatology for SCE Service Territory (FCZ 11 – San Joaquin)

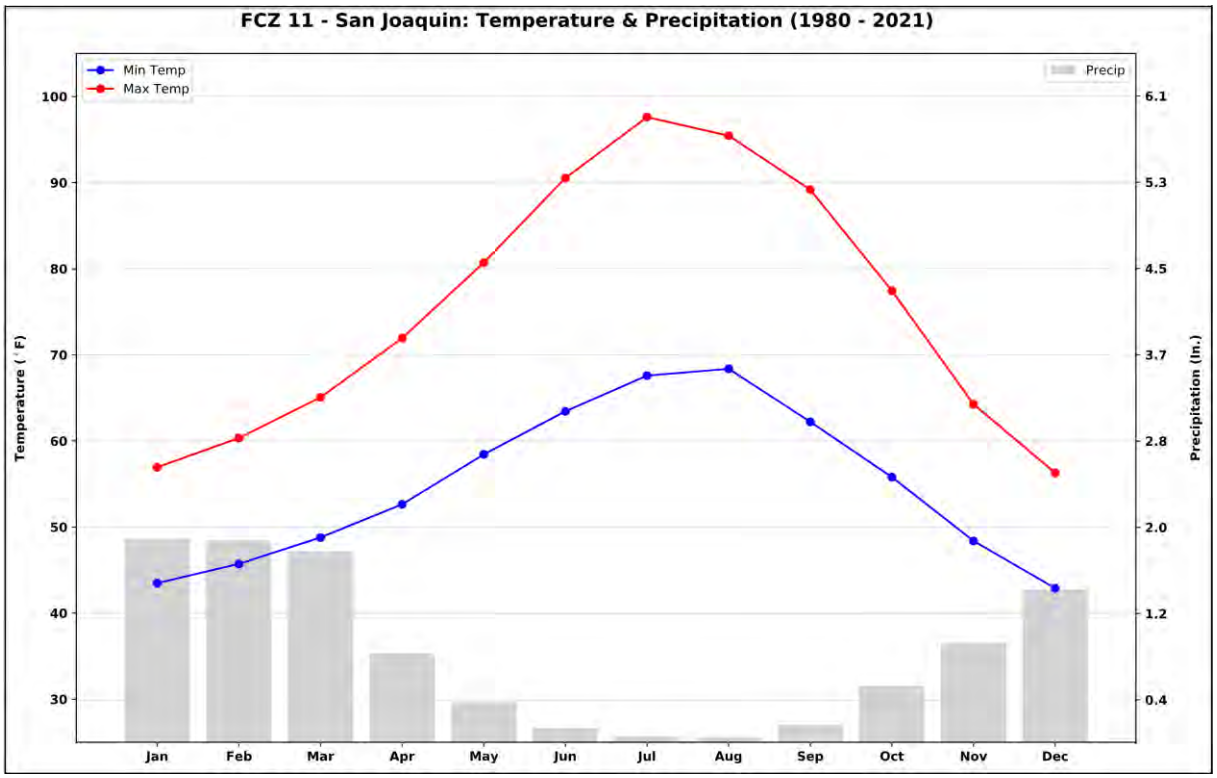


Figure 5-5 in Section 5.3.4.2 Climate Change Phenomena and Trends presents average daily maximum and minimum temperatures values observed and projected across each of SCE's 11 Fire Climate Zones using data from California's 4th Climate Change Assessment. Additional 10 Figures reflecting this information are provided below. These daily average maximum and minimum values are calculated as 365-day rolling averages. Fire Climate Zones are defined at regions in which SCE observes similar climatic conditions related to fire weather conditions.

Figure 5-5-1 - Annual Mean Climatology for SCE Service Territory (FCZ 2 - Inland Valleys)

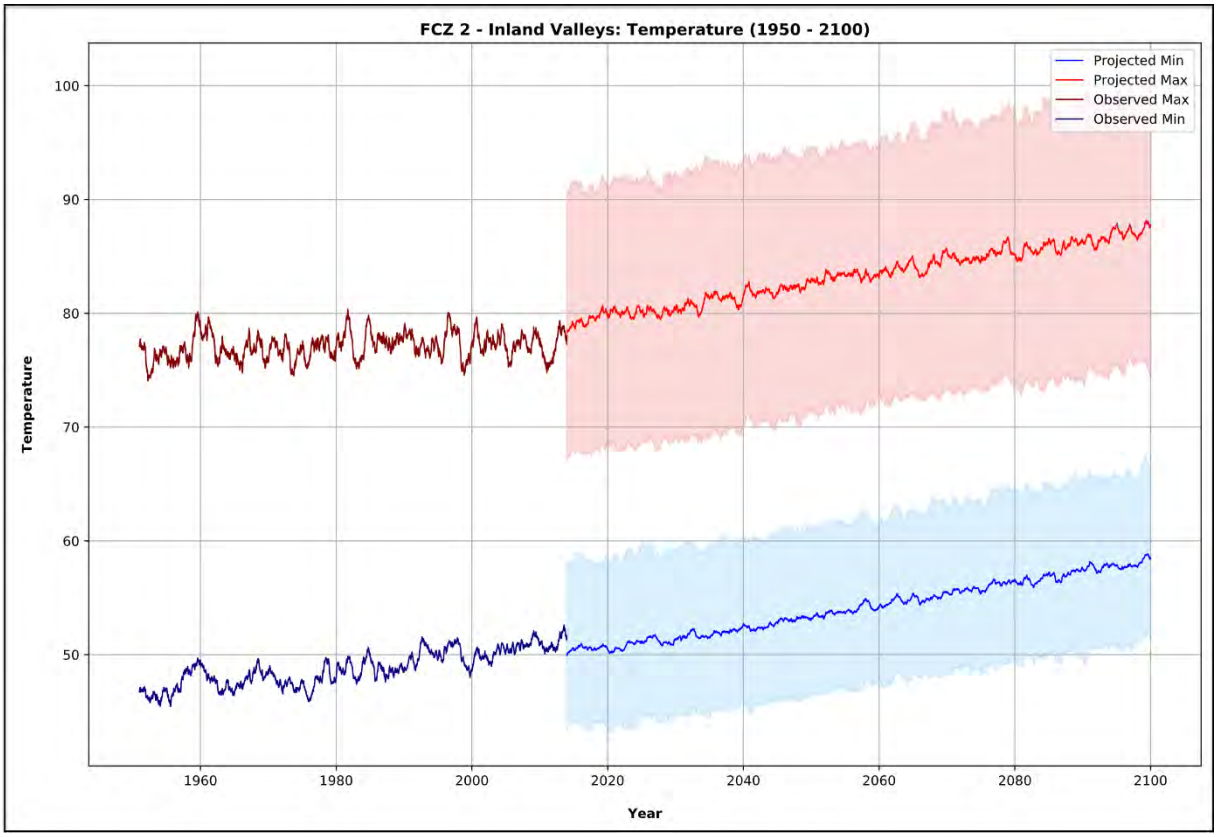


Figure 5-5-2 - Annual Mean Climatology for SCE Service Territory (FCZ 3- Western Mountains)

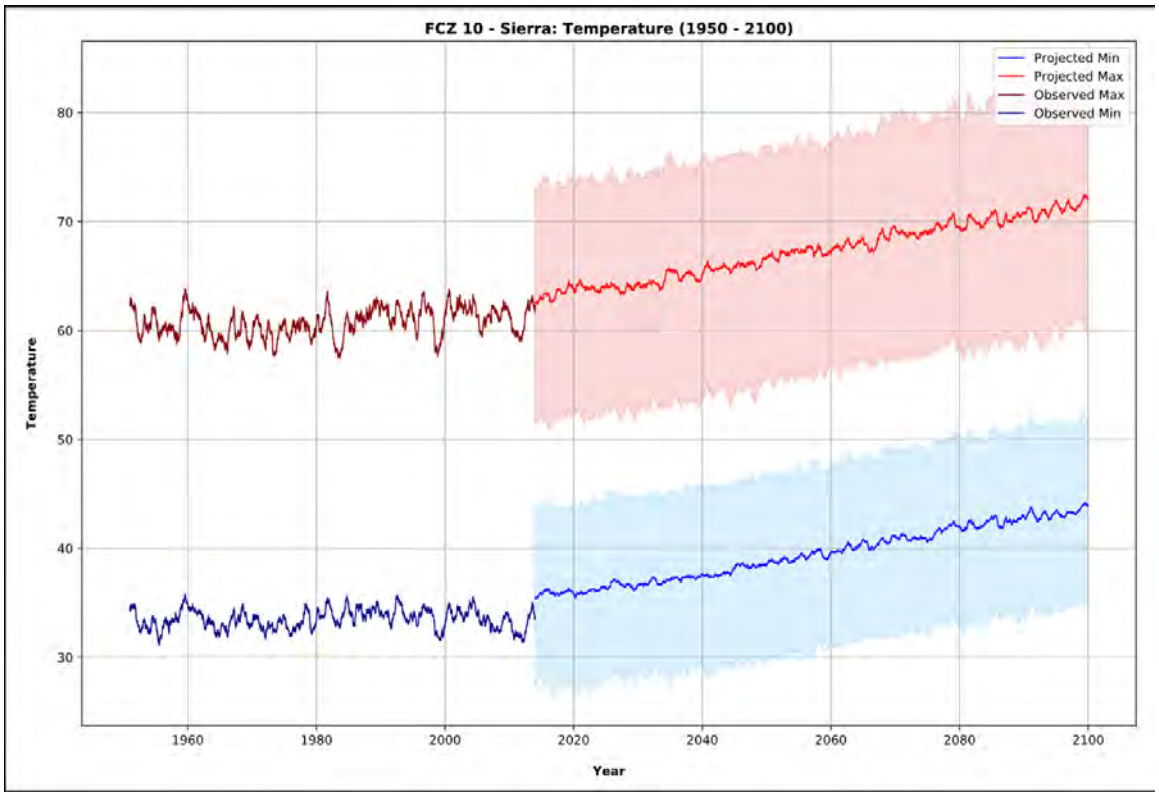


Figure 5-5-3 - Annual Mean Climatology for SCE Service Territory (FCZ 4 - Eastern Mountains)

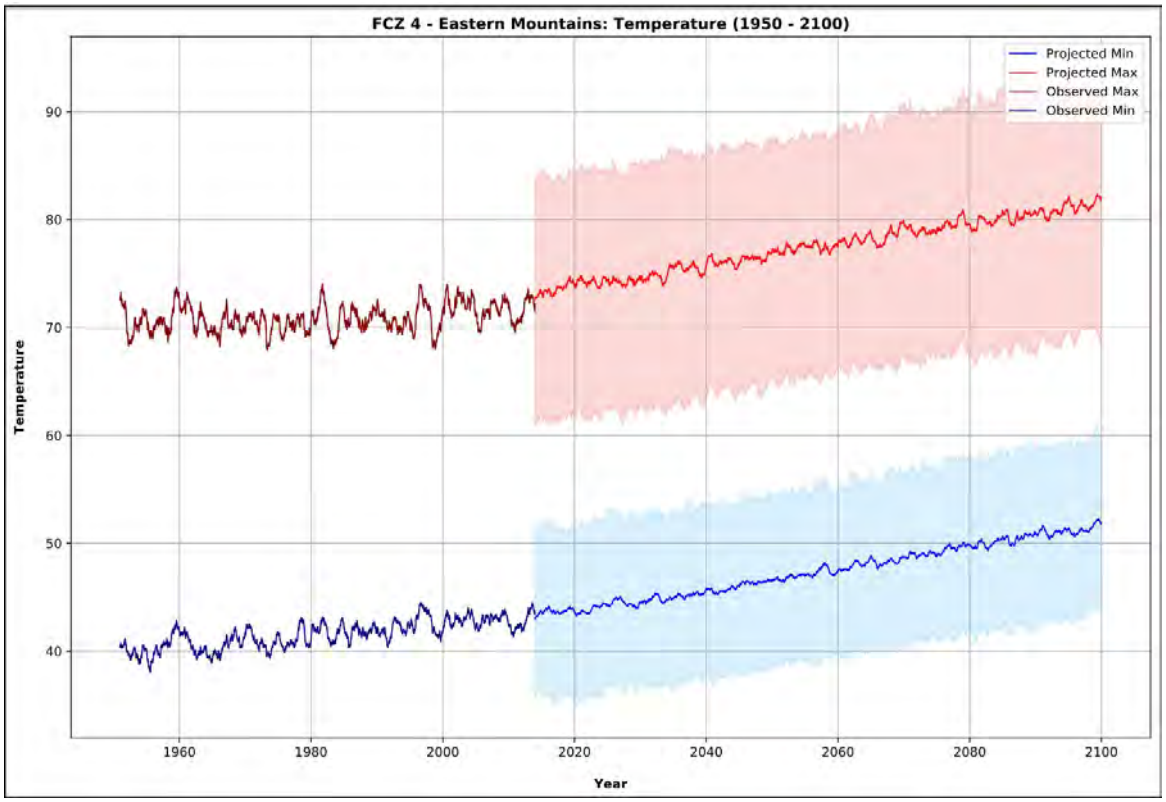


Figure 5-5-4 - Annual Mean Climatology for SCE Service Territory (FCZ 5 - Eastern Desert)

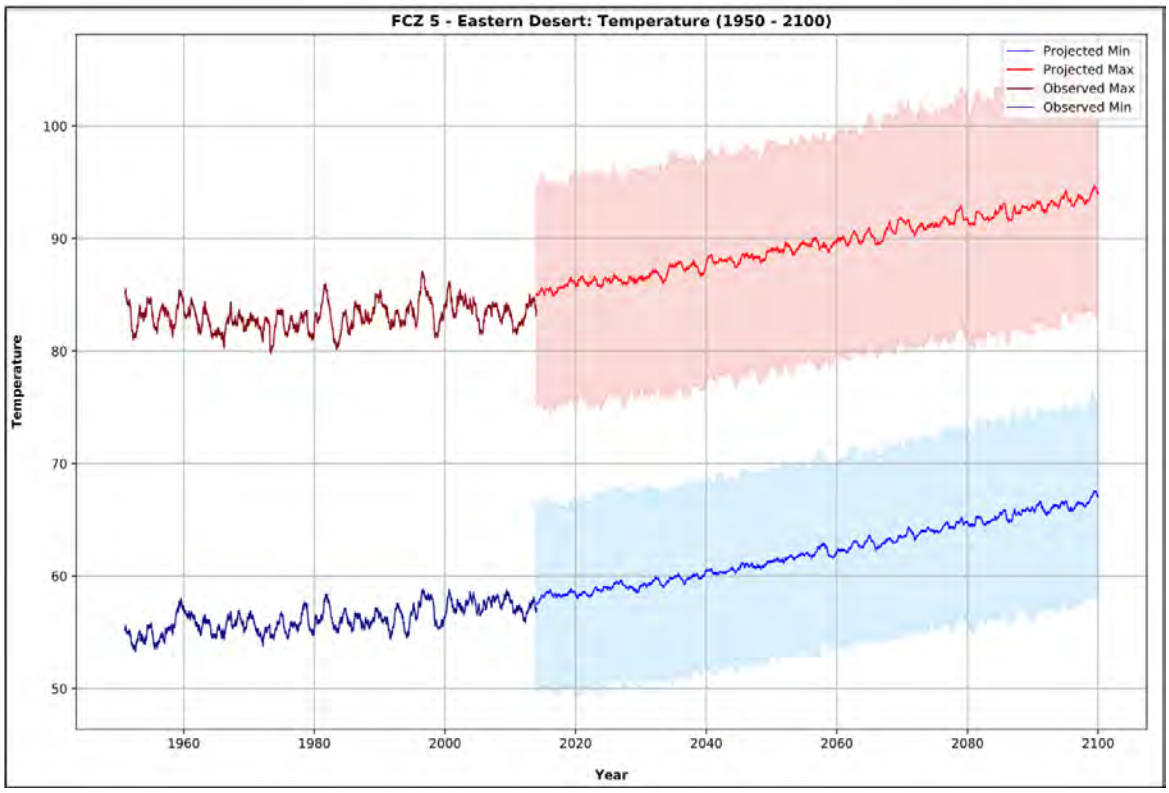


Figure 5-5-5 - Annual Mean Climatology for SCE Service Territory (FCZ 6 - Upper Desert)

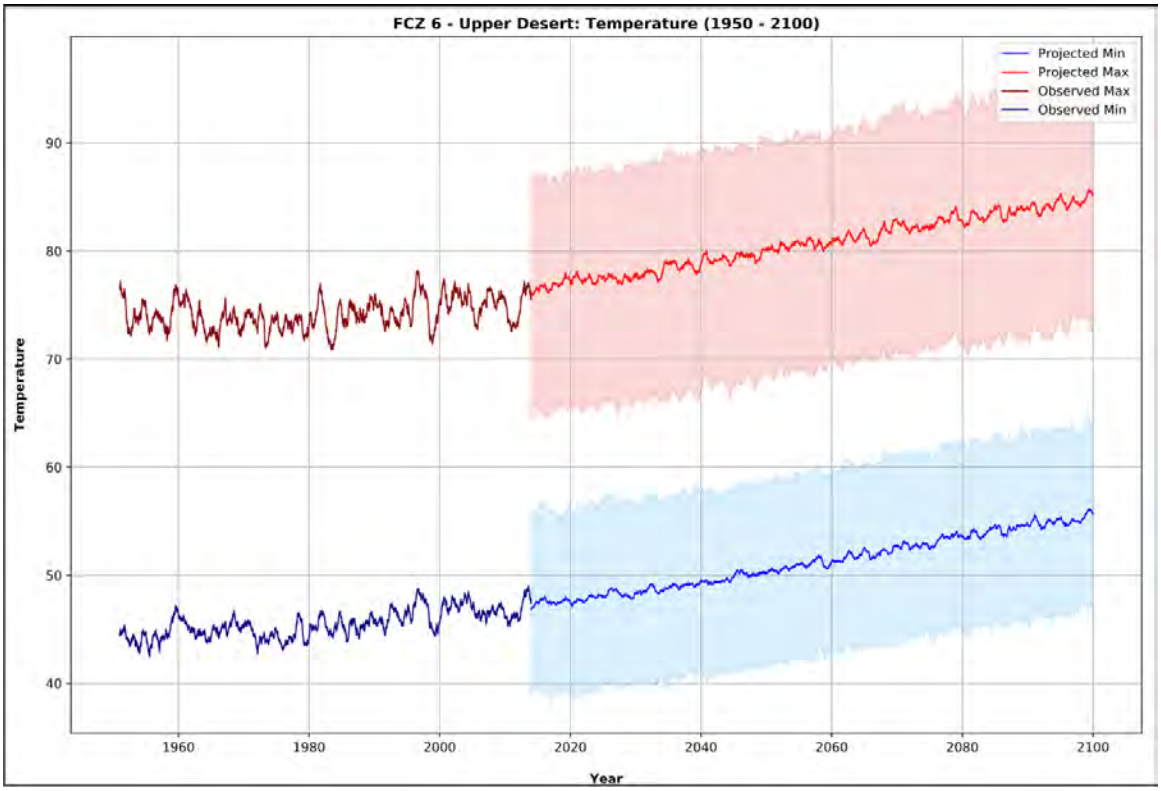


Figure 5-5-6 - Annual Mean Climatology for SCE Service Territory (FCZ 7 - Mojave)

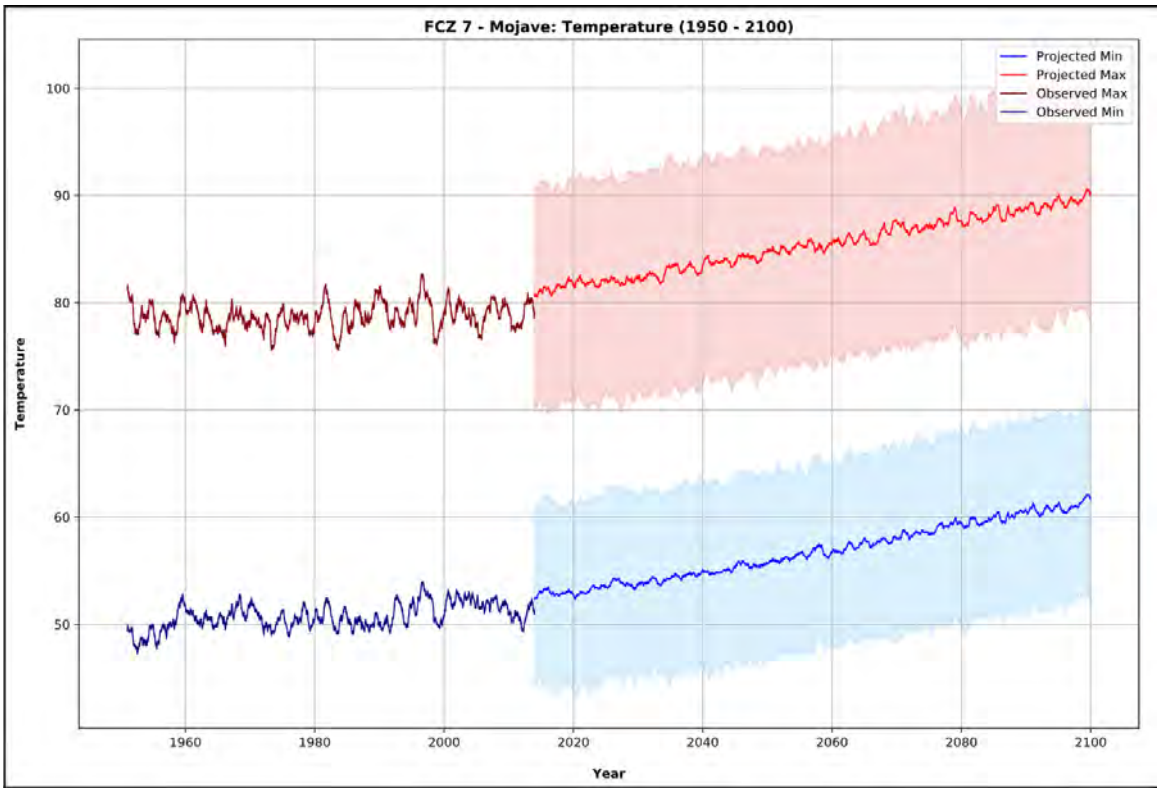


Figure 5-5-7 - Annual Mean Climatology for SCE Service Territory (FCZ 8 – Northern Desert)

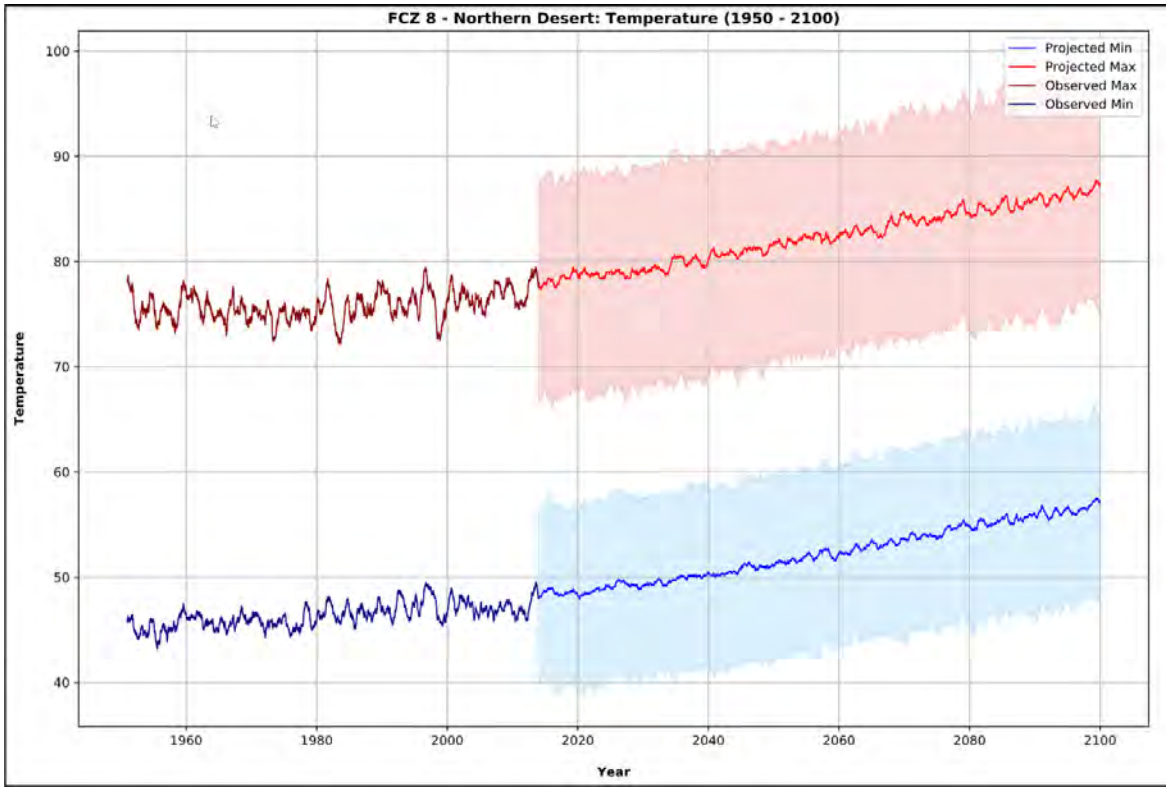


Figure 5-5-8 - Annual Mean Climatology for SCE Service Territory (FCZ 9 – Inyo)

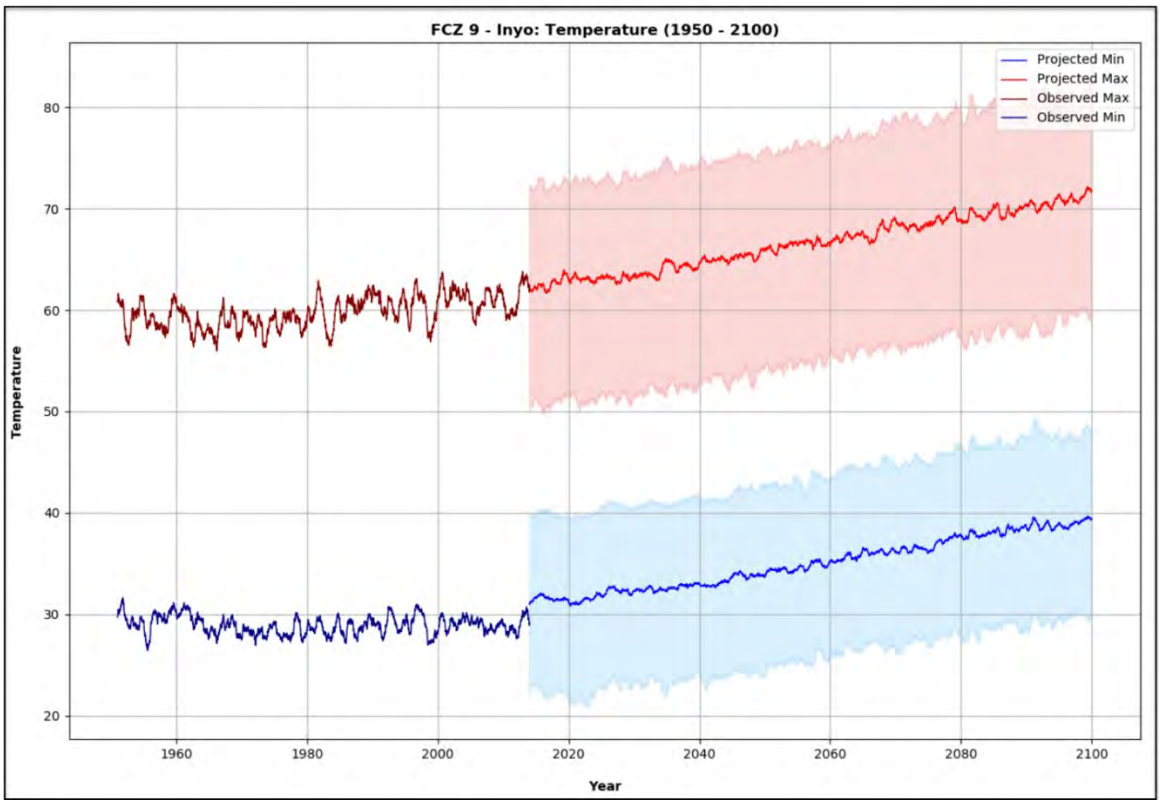


Figure 5-5-9 - Annual Mean Climatology for SCE Service Territory (FCZ 10 – Sierra)

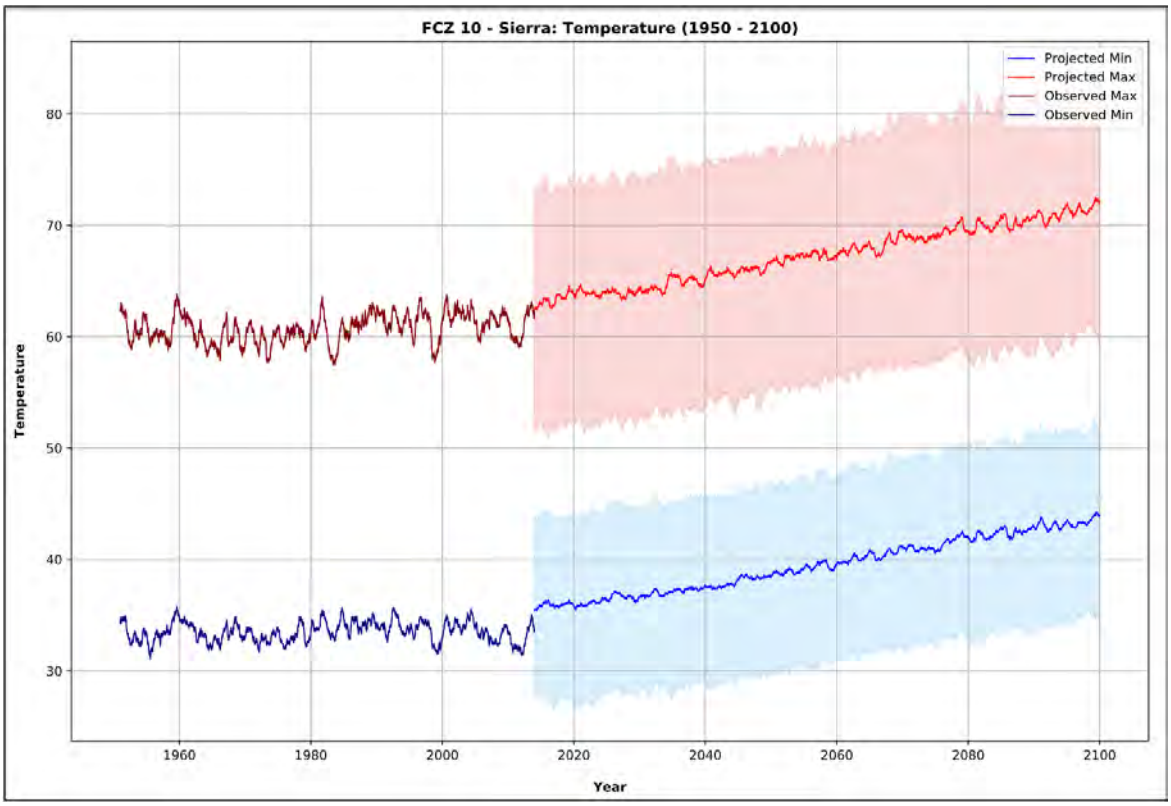
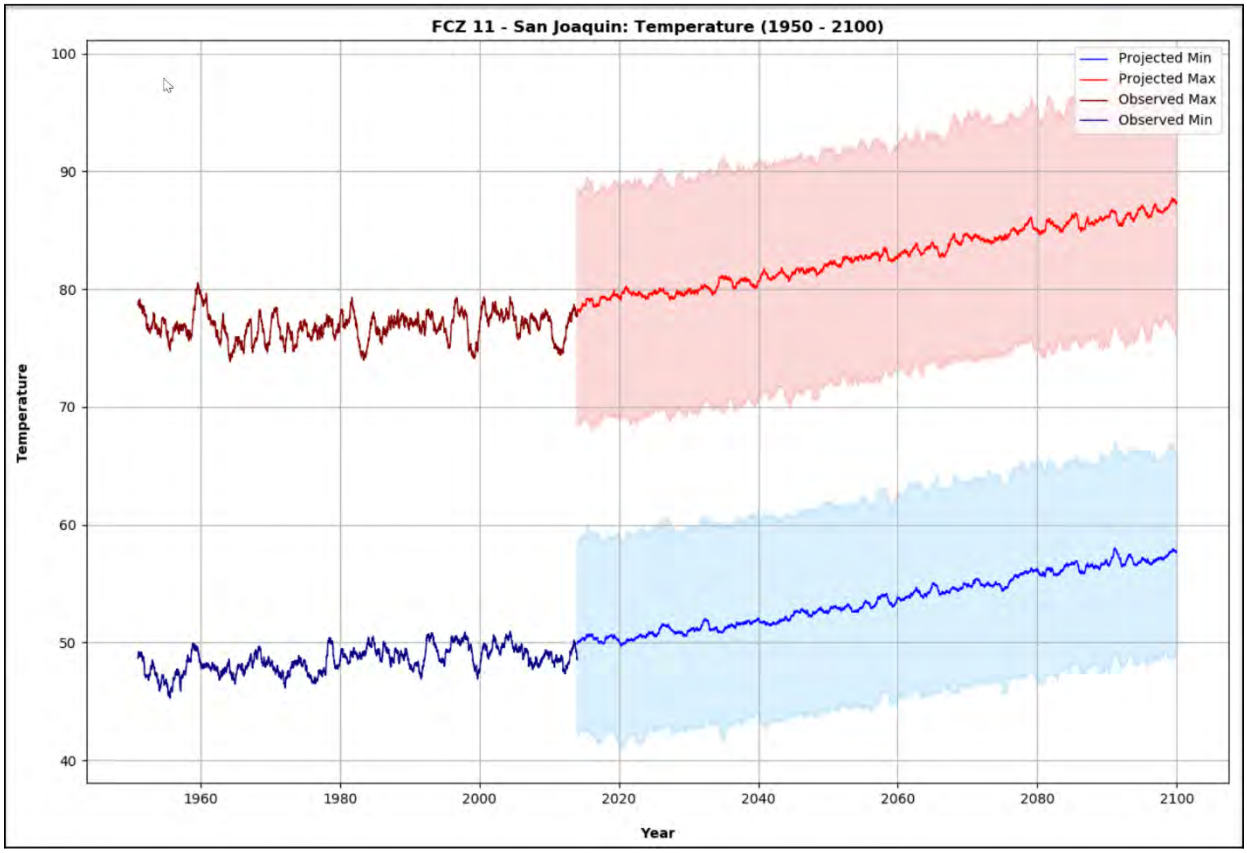


Figure 5-5-10 - Annual Mean Climatology for SCE Service Territory (FCZ 11 – San Joaquin)



Extreme fire weather day frequency is expected to increase across all SCE counties during most seasons and fuel moisture is expected to generally decrease. The largest increases in extreme fire weather days are forecast for Inyo and Mono County during the summer months. Data source is from climatetoolbox.org. Figure 5-6 in Section 5.3.4.2 Climate Change Phenomena and Trends shows the historical and projection of fuel moisture for Fresno County and the remaining additional fifteen figures are provided below.

Figure 5-6-1 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Imperial County)

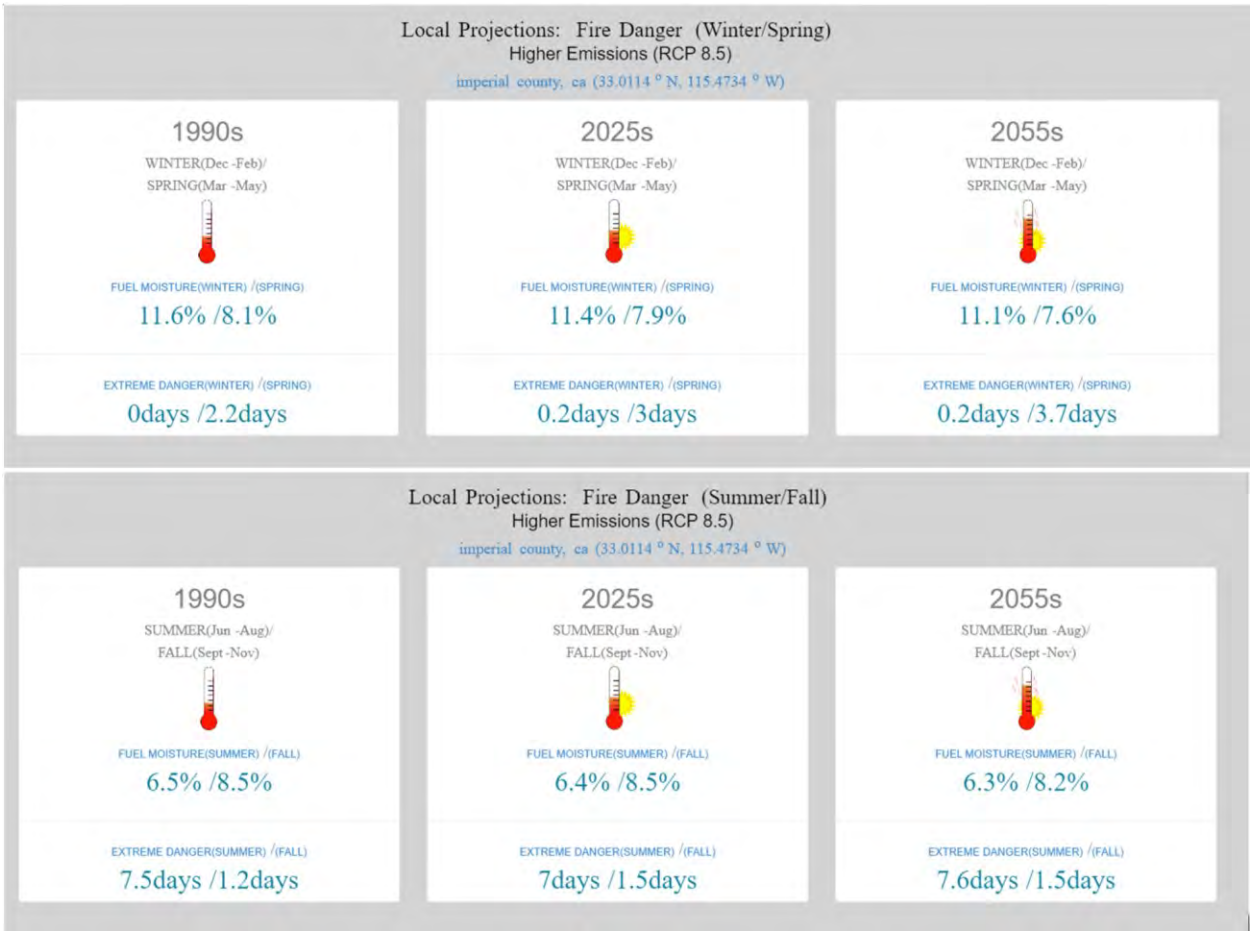


Figure 5-6-2 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Inyo County)

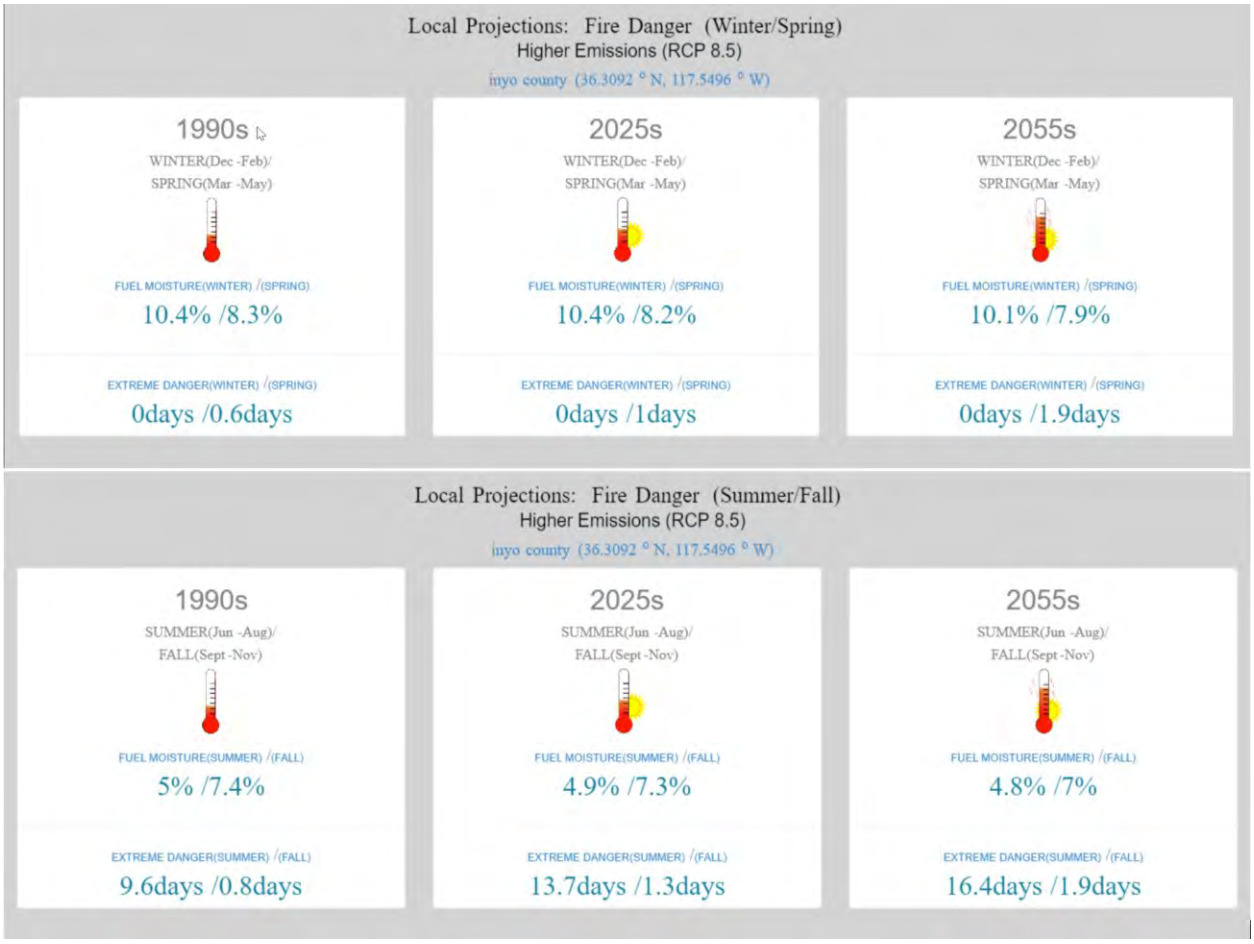


Figure 5-6-3 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Kern County)

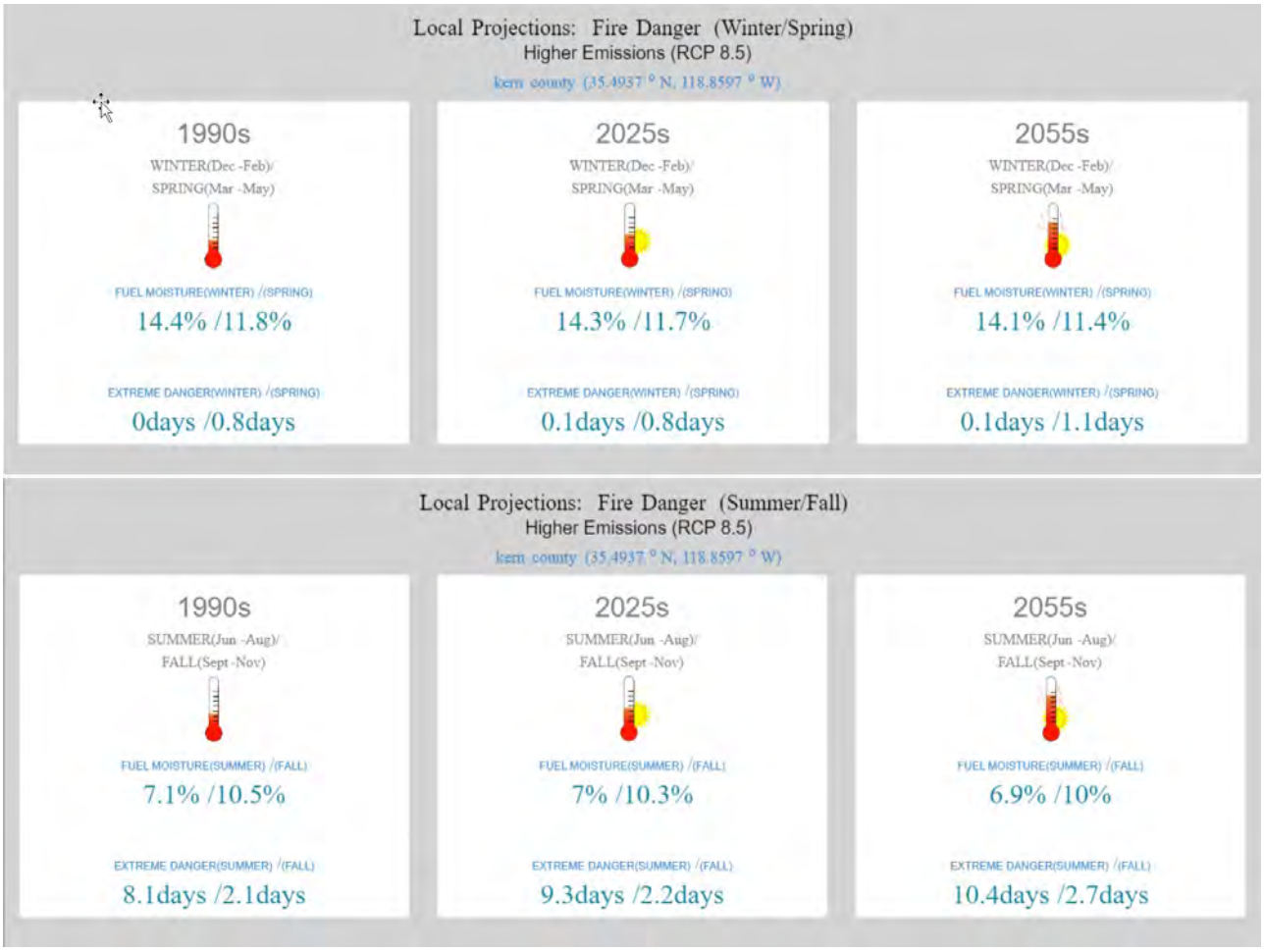


Figure 5-6-4 - Projected Changes in Average Fuel Moisture and Average Number of Days of xtreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Kings County)

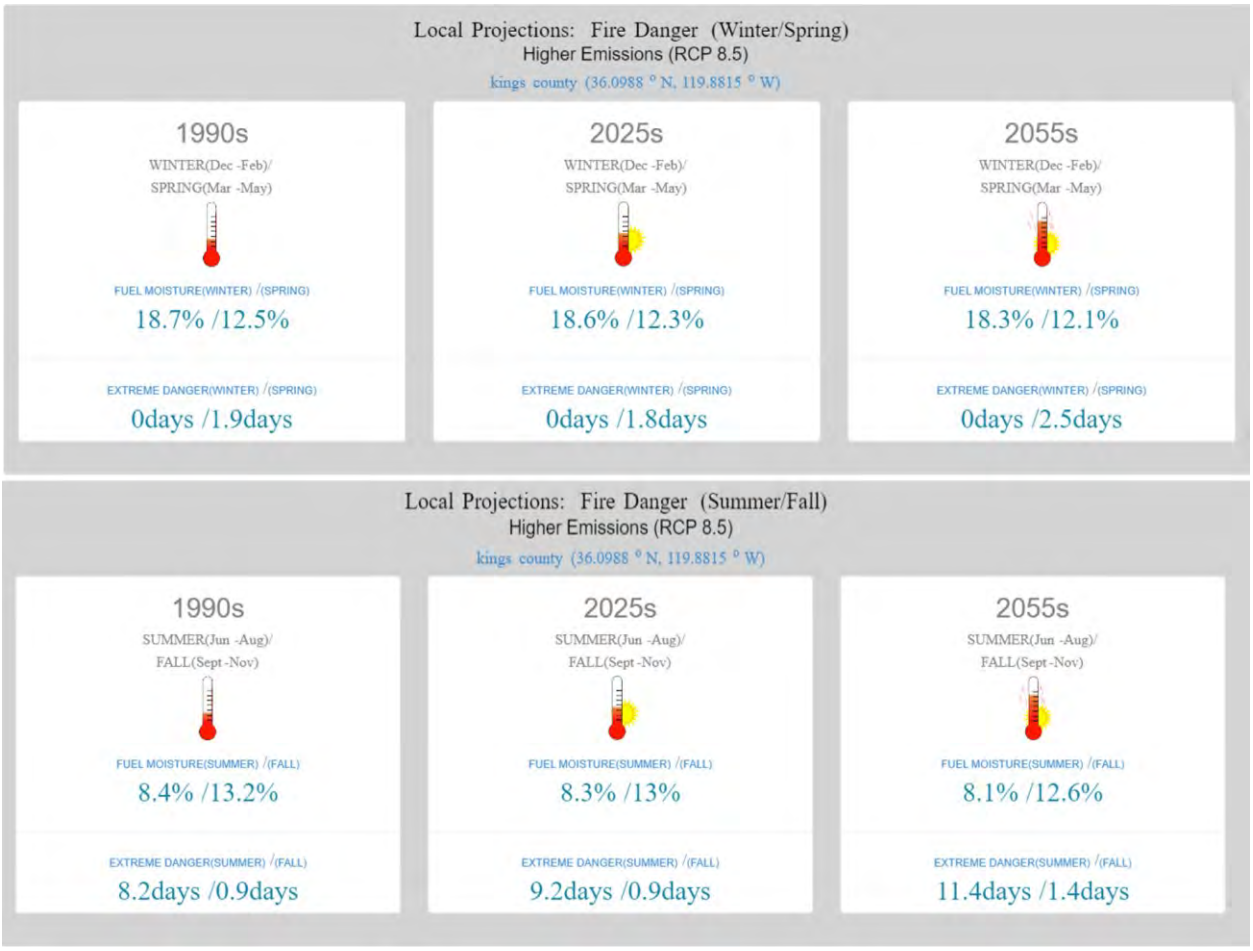


Figure 5-6-5 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Los Angeles County)

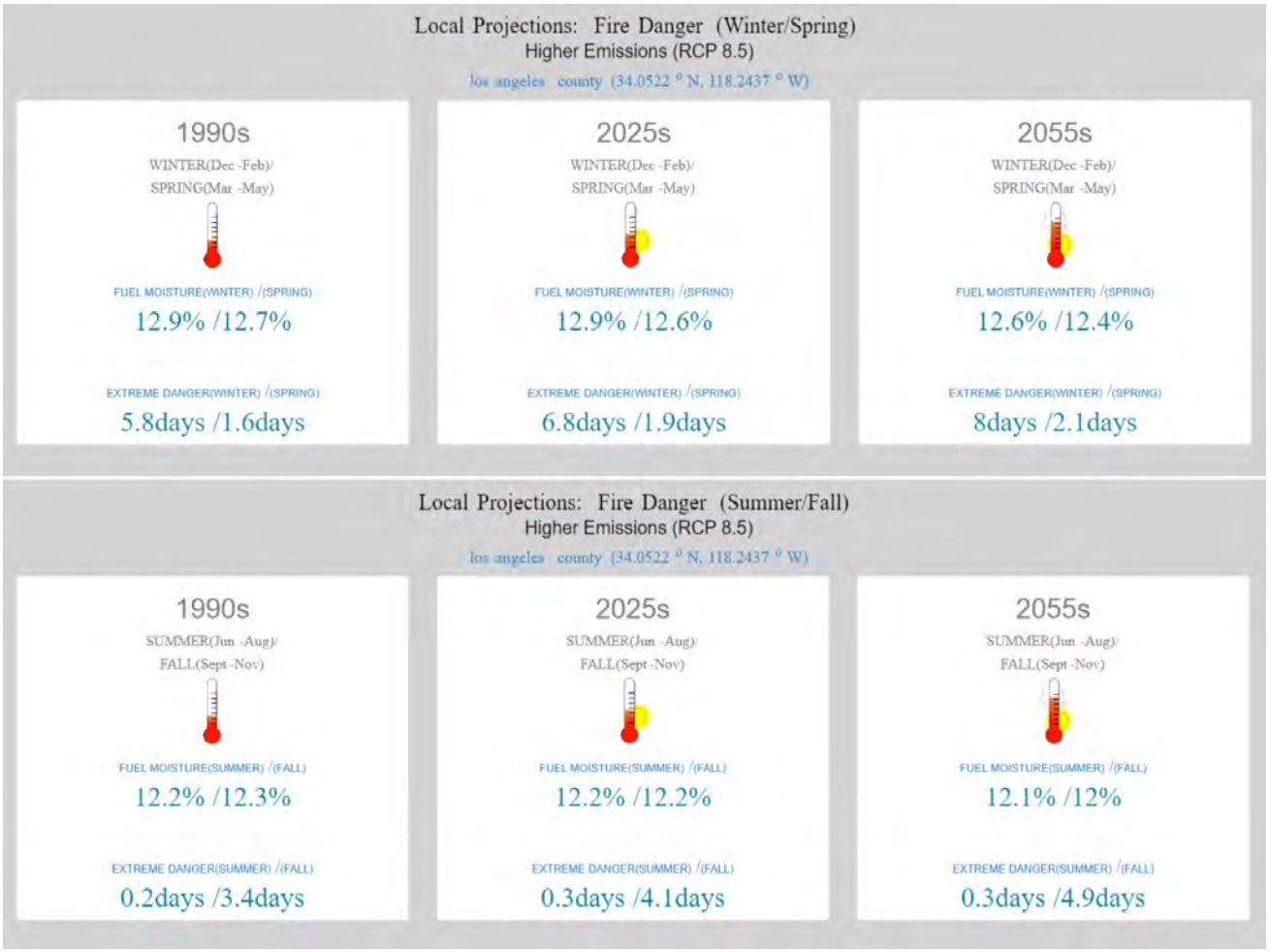


Figure 5-6-6 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Madera County)

Figure 5-6-7 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Mono County)

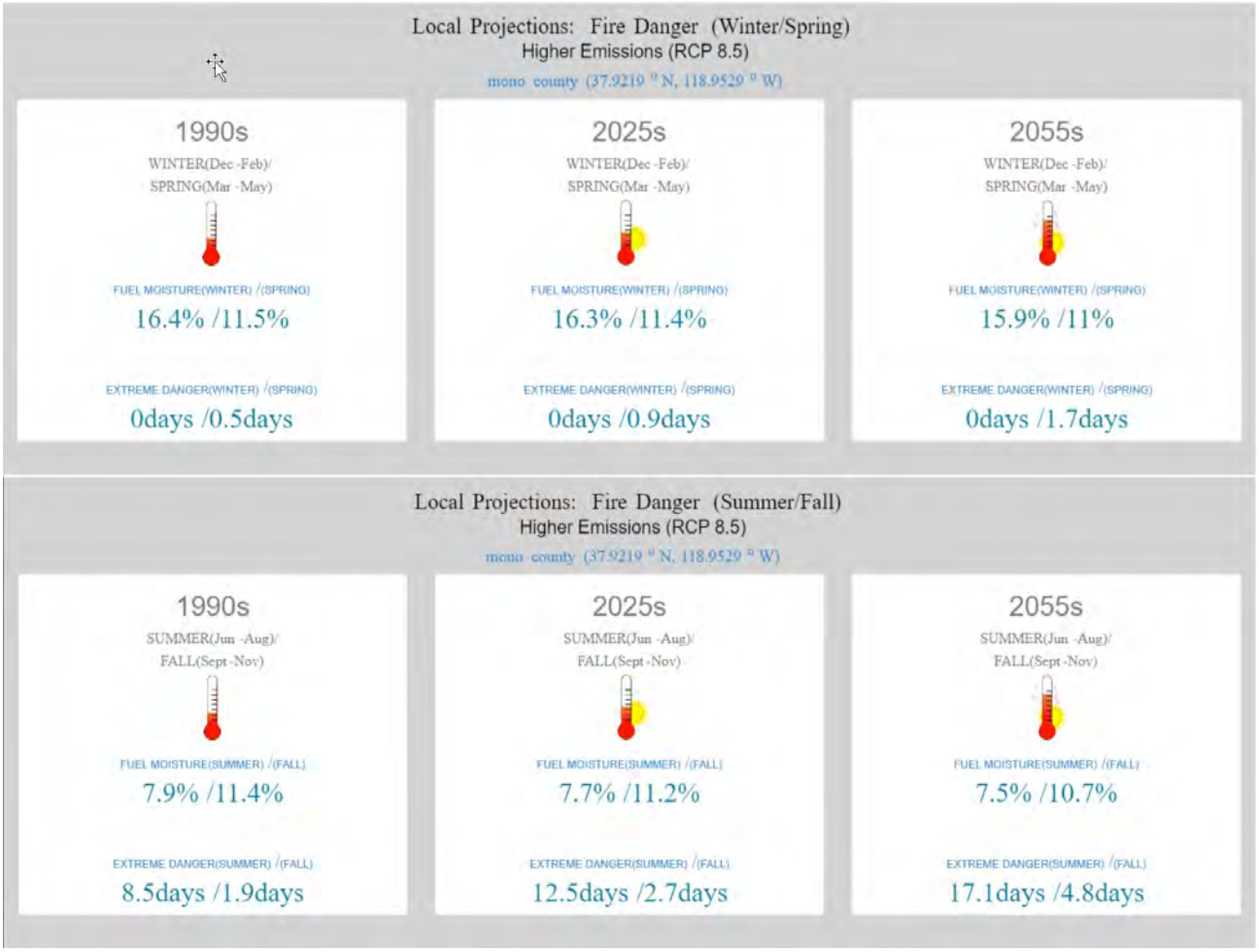


Figure 5-6-8 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Orange County)

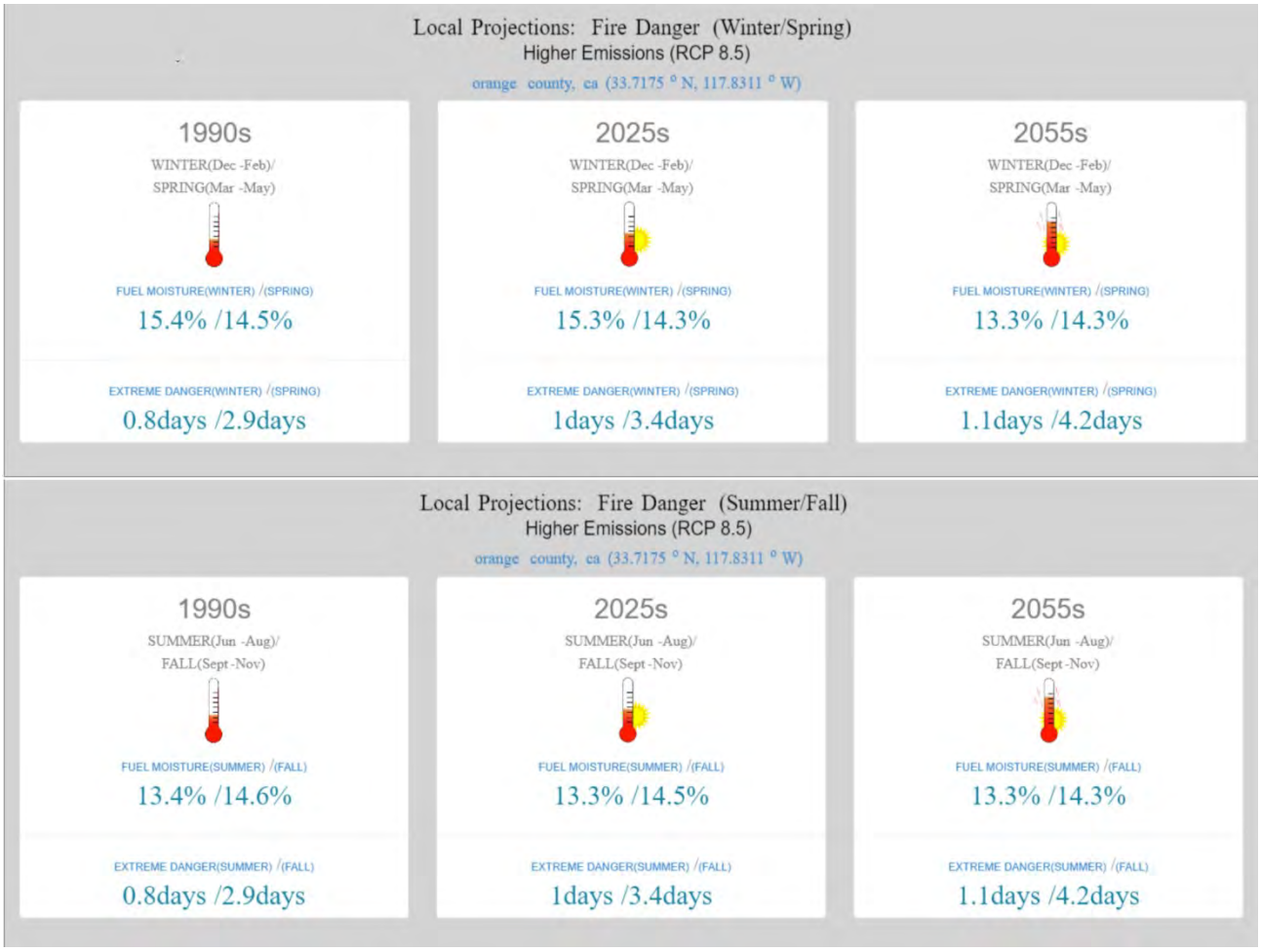


Figure 5-6-9 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Riverside County)

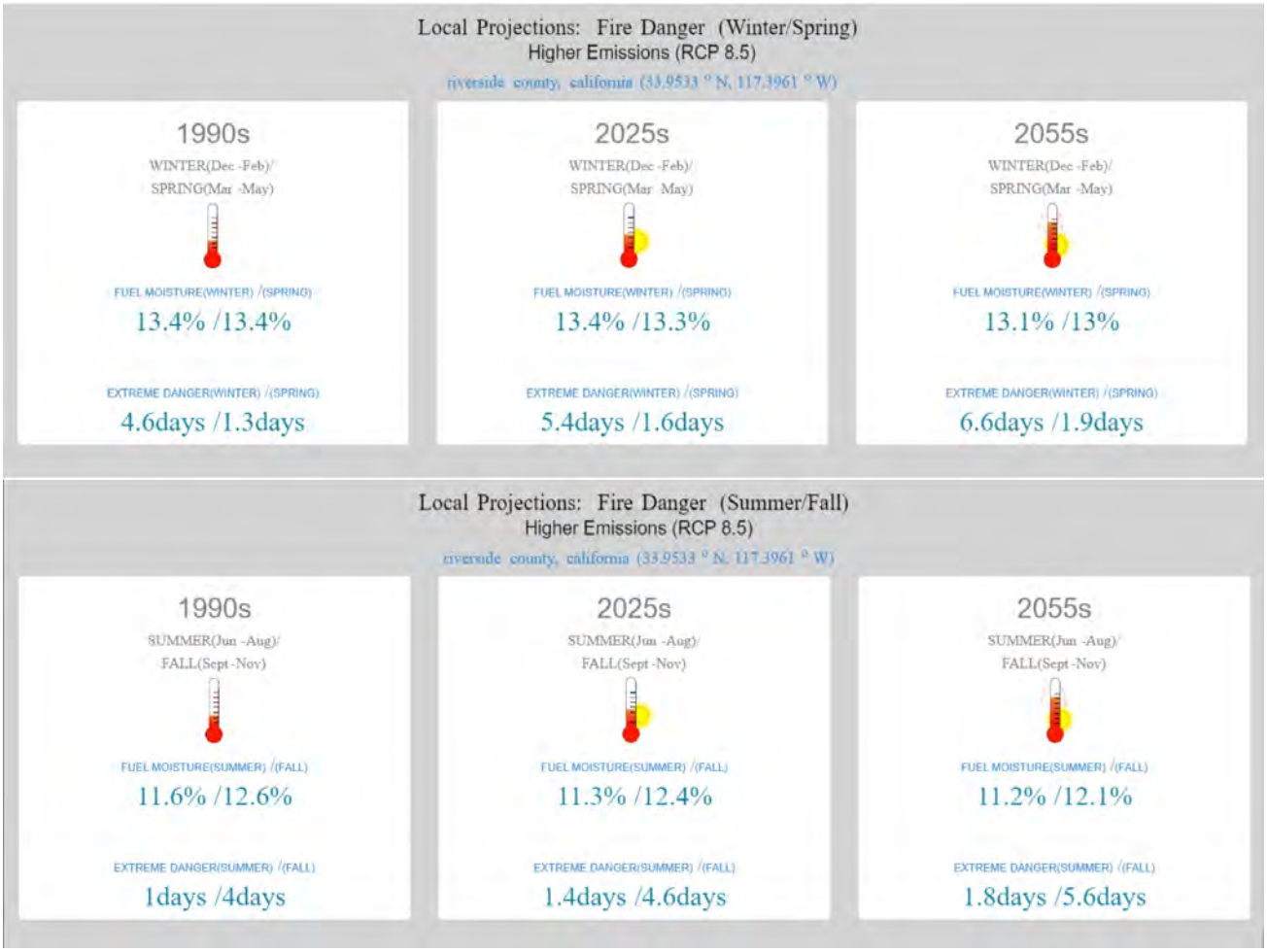


Figure 5-6-10 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (San Bernardino County)

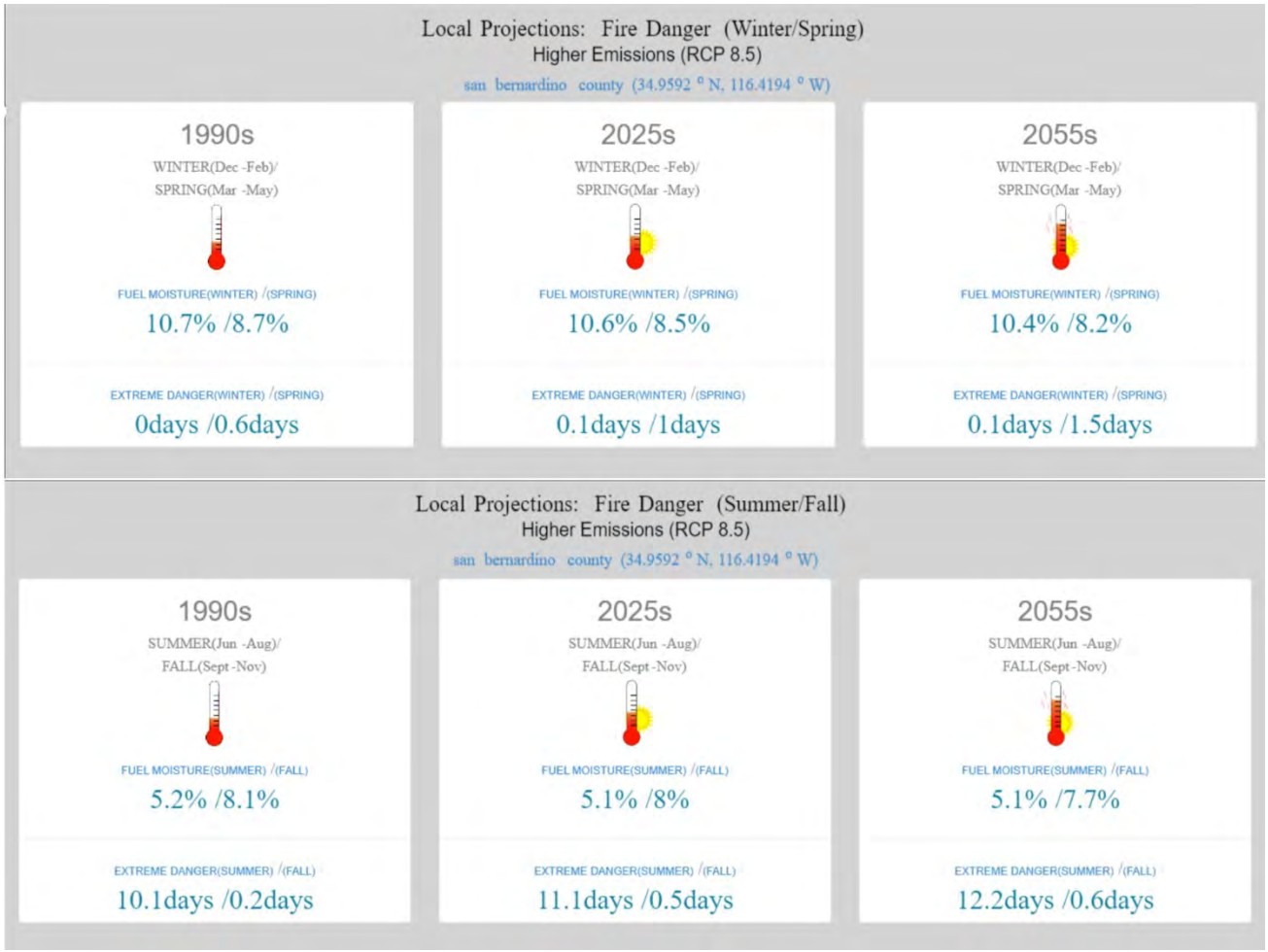


Figure 5-6-11 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (San Diego County)

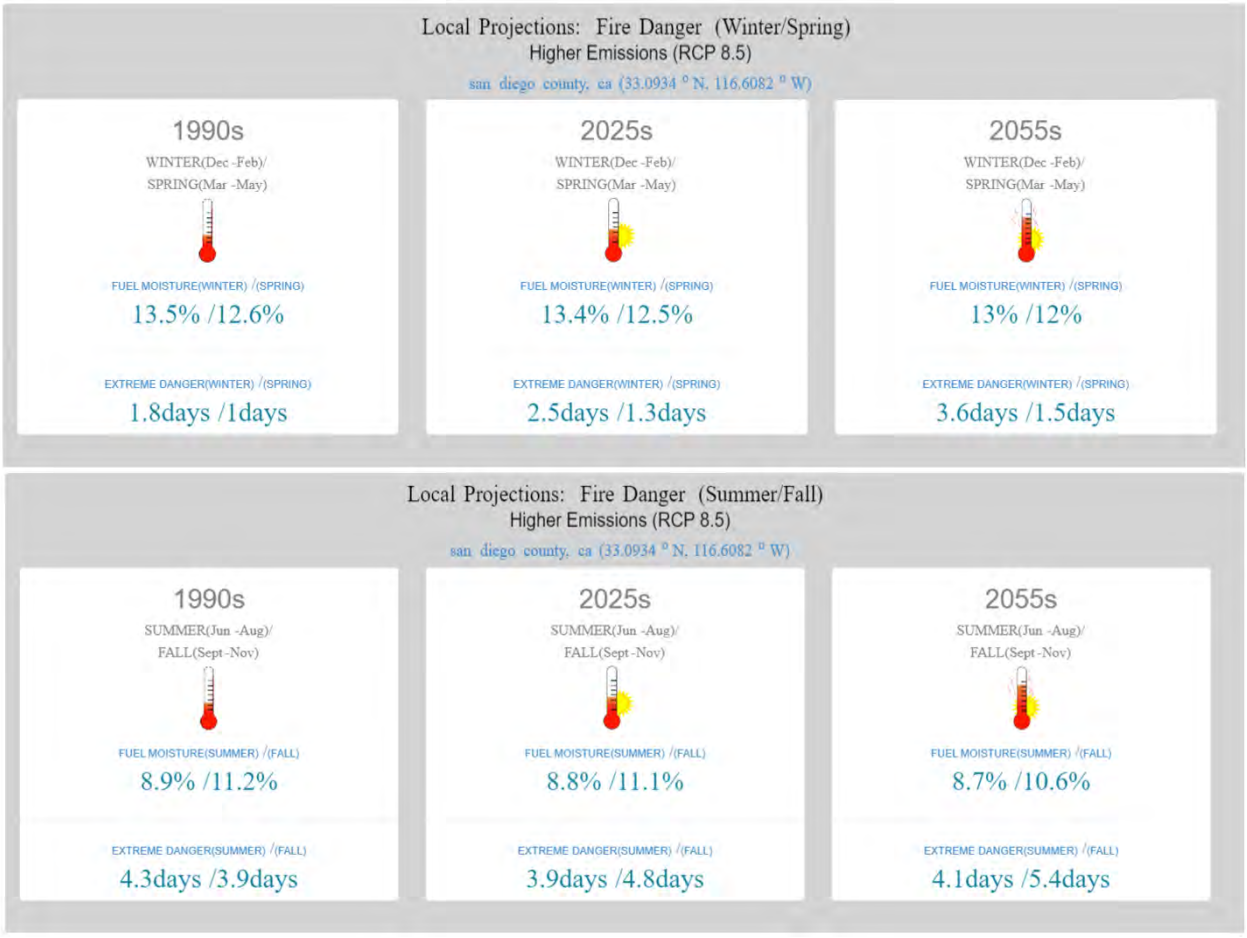


Figure 5-6-12 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Santa Barbara County)

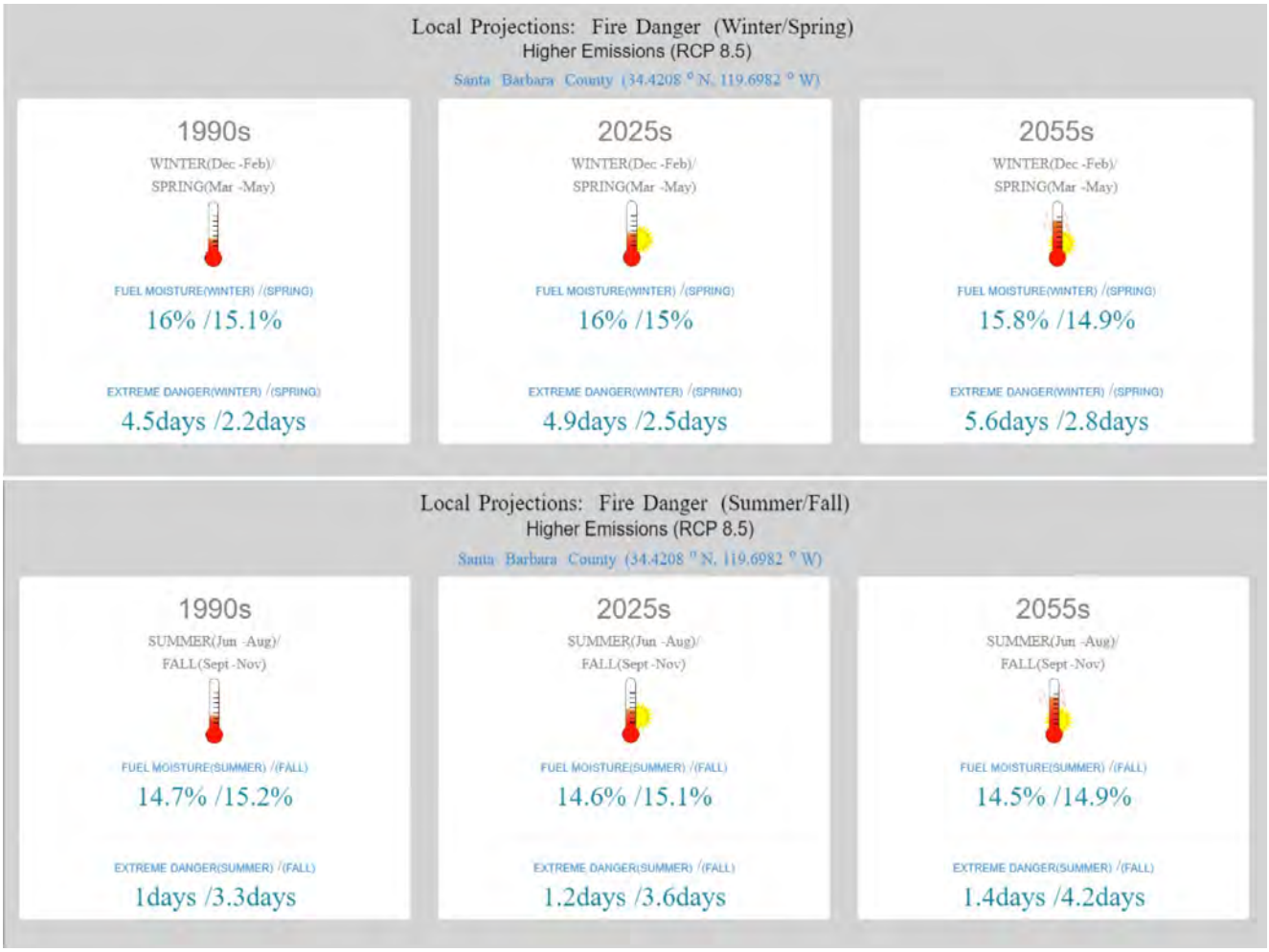


Figure 5-6-13 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Tulare County)

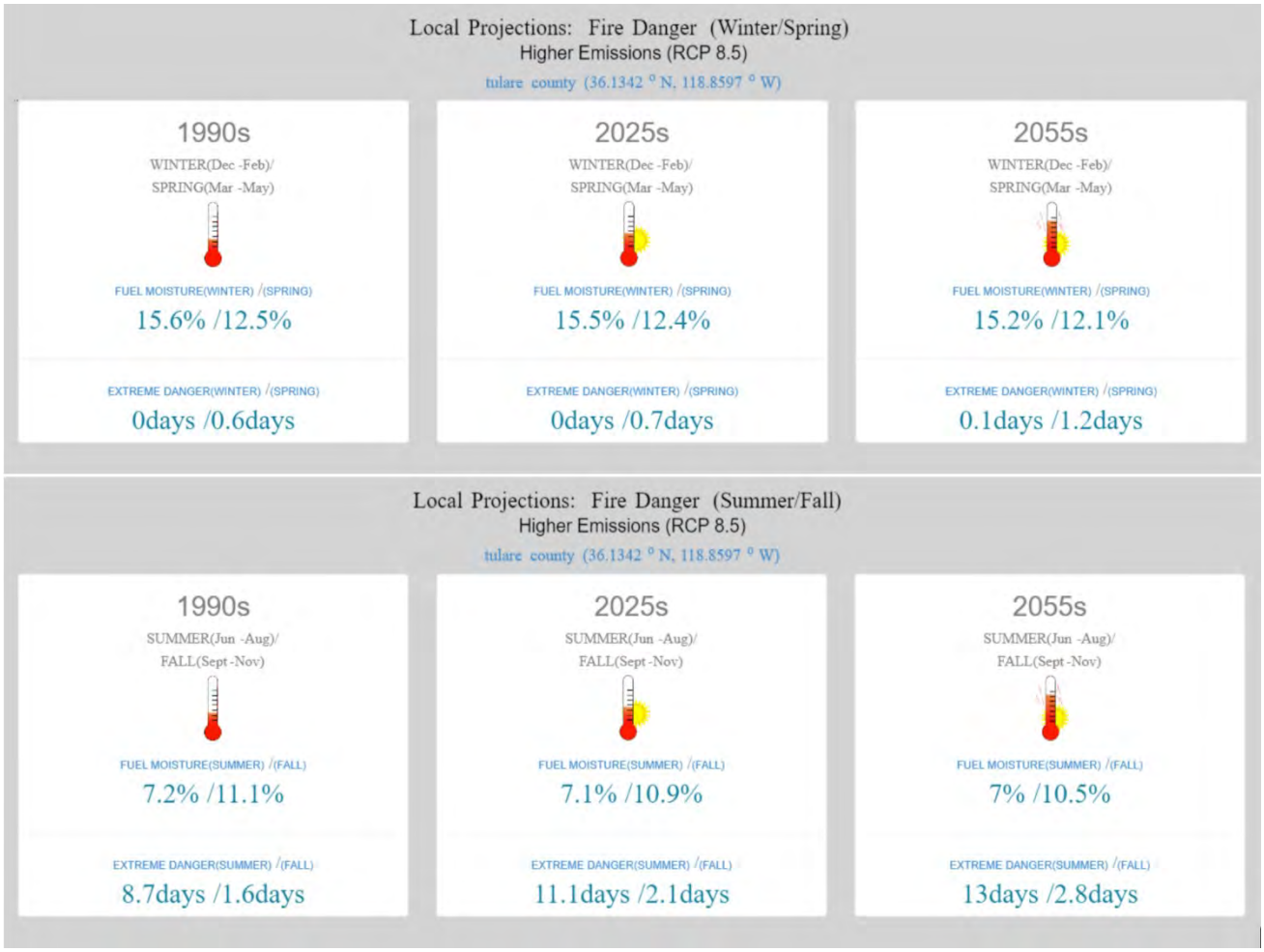


Figure 5-6-14 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Tuolumne County)

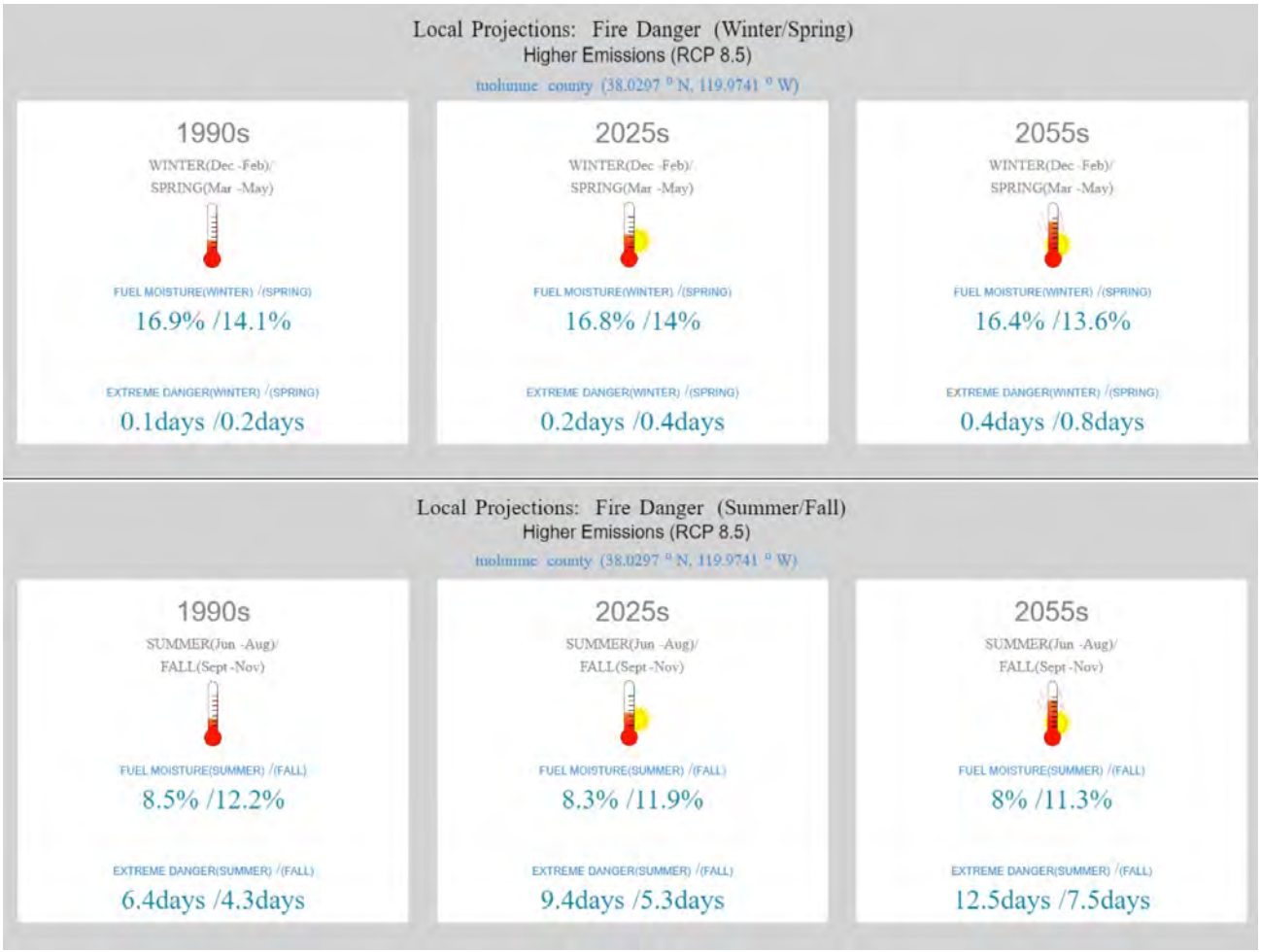
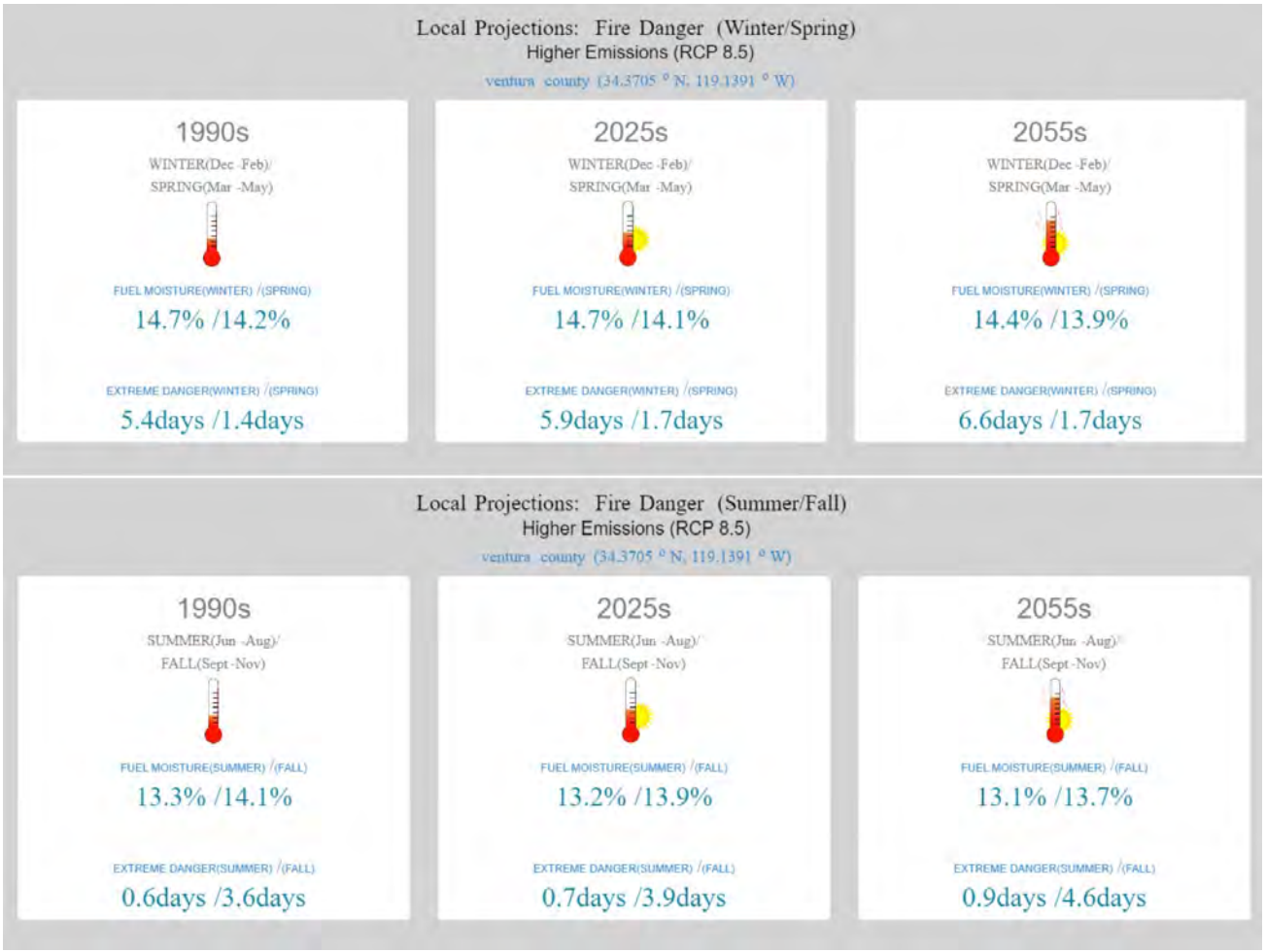


Figure 5-6-15 - Projected Changes in Average Fuel Moisture and Average Number of Days of Extreme Fire Danger for Winter/Spring and Summer/Fall Periods for SCE Service Territory Based on Global Climate Model Outputs (Ventura County)



F2: Continuation of Section 7 - Wildfire Mitigation Strategy Development

Wildfire and PSPS Mitigation Effectiveness Details

SCE provides mitigation effectiveness values for its mitigation initiatives in the tables that follow. Mitigation effectiveness percentages are based on a combination of data analysis, testing, independent, third-party engineering assessment, and SCE expert judgement. Where available, SCE uses a data driven approach that leverages historical fault and ignition data to weigh the mitigation's effectiveness at a subdriver level. SCE expert judgement, which typically involves multiple experts, is based on data and knowledge collected through benchmarking, testing, evaluation of risk in the field, calibration across mitigations, and other sources to determine reasonable mitigation effectiveness. Mitigation effectiveness percentages are also evaluated in a series of robust challenge sessions with internal experts and management to help ensure accuracy and reasonableness. For mitigations that do not target a category of risk drivers, SCE has listed "N/A" (e.g., mitigations only targeting distribution ignition risk subdrivers show N/A for all transmission subdrivers). SCE refines mitigation effectiveness values based on updated data and new information over time. The data included in this workpaper reflect updates as of January 2023.

Appendix F – Mitigation Effectiveness Values

WMP ID	SH-1	SH-2	SH-4	SH-5	SH-6	SH-10	SH-14	SH-15	SH-16*	SH-17	SH-18
Mitigation Name	Covered Conductor (including Fire-Resistant Poles)	Undergrounding Overhead Conductor	Branch Line Protection	Remote Controlled Automatic Reclosers Settings	Circuit Breaker with Fast Curve Settings	Tree Attachments Remediation	Long Span Initiative	Vertical Switches	Vibration Damper Retrofit	Rapid Earth Fault Current Limiters (REFCL-Ground Fault Neutralizer (GFN)	Rapid Earth Fault Current Limiters (REFCL)-Grounding Conversions
Useful Life	45	45	15	25	65	45	15	30	45	40	40

Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
1	Distribution-Contact From Object	Veg. contact	71%	100%	5%	40%	40%	7%	8%	0%	60%	50%	50%
2	Distribution-Contact From Object	Animal contact	65%	99%	5%	40%	40%	31%	4%	0%	65%	90%	90%
3	Distribution-Contact From Object	Balloon contact	99%	99%	5%	40%	40%	0%	6%	0%	99%	50%	50%
4	Distribution-Contact From Object	Vehicle contact	82%	95%	5%	40%	40%	0%	15%	0%	57%	20%	20%
5	Distribution-Contact From Object	Unknown contact	81%	99%	5%	40%	40%	11%	12%	0%	77%	50%	50%
6	Distribution-Unknown	Unknown	65%	97%	5%	40%	40%	0%	0%	0%	0%	50%	50%
7	Distribution-Contact From Object	Other contact from object	77%	100%	5%	40%	40%	0%	5%	0%	77%	50%	50%
8	Distribution-Wire-To-Wire	Wire-to-wire contact / contamination	99%	100%	5%	40%	40%	0%	97%	0%	99%	0%	0%
9	Distribution-Equipment/Facility Failure	Anchor / guy damage or failure	0%	100%	5%	40%	40%	0%	0%	0%	0%	70%	70%
10	Distribution-Equipment/Facility Failure	Conductor damage or failure	90%	100%	5%	40%	40%	90%	25%	0%	90%	50%	50%

WMP ID	SH-1	SH-2	SH-4	SH-5	SH-6	SH-10	SH-14	SH-15	SH-16*	SH-17	SH-18
Mitigation Name	Covered Conductor (including Fire-Resistant Poles)	Undergrounding Overhead Conductor	Branch Line Protection	Remote Controlled Automatic Reclosers Settings	Circuit Breaker with Fast Curve Settings	Tree Attachments Remediation	Long Span Initiative	Vertical Switches	Vibration Damper Retrofit	Rapid Earth Fault Current Limiters (REFCL-Ground Fault Neutralizer (GFN)	Rapid Earth Fault Current Limiters (REFCL)-Grounding Conversions
Useful Life	45	45	15	25	65	45	15	30	45	40	40

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
11	Distribution-Equipment/Facility Failure	Connection device damage or failure	90%	97%	5%	40%	40%	90%	6%	0%	90%	50%	50%
12	Distribution-Equipment/Facility Failure	Connector damage or failure	90%	100%	5%	40%	40%	90%	6%	0%	90%	50%	50%
13	Distribution-Equipment/Facility Failure	Crossarm damage or failure	50%	100%	5%	40%	40%	5%	4%	75%	50%	30%	30%
14	Distribution-Equipment/Facility Failure	Fuse damage or failure	2%	89%	99%	0%	0%	0%	0%	0%	0%	30%	30%
15	Distribution-Equipment/Facility Failure	Insulator and bushing damage or failure	90%	100%	5%	40%	40%	9%	6%	0%	90%	50%	50%
16	Distribution-Equipment/Facility Failure	Lightning arrestor damage or failure	0%	100%	5%	40%	40%	0%	0%	0%	0%	50%	50%
17	Distribution-Equipment/Facility Failure	Other	15%	99%	5%	40%	40%	0%	0%	0%	0%	50%	50%
18	Distribution-Equipment/Facility Failure	Pole damage or failure	0%	100%	5%	40%	40%	0%	0%	0%	0%	40%	40%
19	Distribution-Equipment/Facility Failure	Recloser damage or failure	5%	100%	0%	40%	40%	0%	0%	2%	0%	5%	5%
20	Distribution-Equipment/Facility Failure	Splice damage or failure	90%	100%	5%	40%	40%	90%	6%	0%	90%	50%	50%

WMP ID	SH-1	SH-2	SH-4	SH-5	SH-6	SH-10	SH-14	SH-15	SH-16*	SH-17	SH-18
Mitigation Name	Covered Conductor (including Fire-Resistant Poles)	Undergrounding Overhead Conductor	Branch Line Protection	Remote Controlled Automatic Reclosers Settings	Circuit Breaker with Fast Curve Settings	Tree Attachments Remediation	Long Span Initiative	Vertical Switches	Vibration Damper Retrofit	Rapid Earth Fault Current Limiters (REFCL-Ground Fault Neutralizer (GFN)	Rapid Earth Fault Current Limiters (REFCL)-Grounding Conversions
Useful Life	45	45	15	25	65	45	15	30	45	40	40

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
21	Distribution-Equipment/Facility Failure	Tie wire damage or failure	0%	100%	5%	40%	40%	0%	0%	0%	0%	50%	50%
22	Distribution-Equipment/Facility Failure	Voltage regulator / booster damage or failure	0%	100%	0%	40%	40%	0%	0%	0%	0%	50%	50%
23	Distribution-Contamination	Contamination	0%	100%	5%	40%	40%	0%	0%	0%	0%	30%	30%
24	Distribution-Equipment/Facility Failure	Capacitor bank damage or failure	0%	89%	0%	0%	0%	0%	0%	0%	0%	1%	1%
25	Distribution-Equipment/Facility Failure	Switch damage or failure	2%	100%	5%	40%	40%	50%	0%	99%	0%	0%	0%
26	Distribution-Equipment/Facility Failure	Transformer damage or failure	20%	89%	0%	0%	0%	90%	0%	0%	0%	85%	85%
27	Distribution-Equipment/Facility Failure	Tap damage or failure	0%	100%	5%	40%	40%	0%	0%	0%	0%	50%	50%
28	Distribution-Equipment/Facility Failure	Sectionalizer damage or failure	0%	100%	0%	40%	40%	0%	0%	18%	0%	70%	70%
29	Distribution-Other	All Other	0%	97%	0%	0%	0%	0%	0%	0%	0%	50%	50%
30	Distribution-Utility Work	Utility work / Operation	0%	0%	0%	0%	0%	0%	0%	47%	0%	25%	25%
31	Distribution-Vandalism	Vandalism / Theft	0%	80%	5%	40%	40%	0%	0%	0%	0%	1%	1%
32	Transmission-Contact From Object	Veg. contact	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

WMP ID	SH-1	SH-2	SH-4	SH-5	SH-6	SH-10	SH-14	SH-15	SH-16*	SH-17	SH-18
Mitigation Name	Covered Conductor (including Fire-Resistant Poles)	Undergrounding Overhead Conductor	Branch Line Protection	Remote Controlled Automatic Reclosers Settings	Circuit Breaker with Fast Curve Settings	Tree Attachments Remediation	Long Span Initiative	Vertical Switches	Vibration Damper Retrofit	Rapid Earth Fault Current Limiters (REFCL-Ground Fault Neutralizer (GFN)	Rapid Earth Fault Current Limiters (REFCL)-Grounding Conversions
Useful Life	45	45	15	25	65	45	15	30	45	40	40

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
33	Transmission-Contact From Object	Animal contact	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
34	Transmission-Contact From Object	Balloon contact	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35	Transmission-Contact From Object	Vehicle contact	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36	Transmission-Contact From Object	Other contact from object	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
37	Transmission-Contamination	Contamination	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
38	Transmission-Vandalism	Vandalism / Theft	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
39	Transmission-Wire-To-Wire	Wire-to-wire contact / contamination	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
40	Transmission-Equipment/Facility Failure	Anchor / guy damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
41	Transmission-Equipment/Facility Failure	Capacitor bank damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
42	Transmission-Equipment/Facility Failure	Conductor damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
43	Transmission-Equipment/Facility Failure	Connection device damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

WMP ID	SH-1	SH-2	SH-4	SH-5	SH-6	SH-10	SH-14	SH-15	SH-16*	SH-17	SH-18
Mitigation Name	Covered Conductor (including Fire-Resistant Poles)	Undergrounding Overhead Conductor	Branch Line Protection	Remote Controlled Automatic Reclosers Settings	Circuit Breaker with Fast Curve Settings	Tree Attachments Remediation	Long Span Initiative	Vertical Switches	Vibration Damper Retrofit	Rapid Earth Fault Current Limiters (REFCL-Ground Fault Neutralizer (GFN)	Rapid Earth Fault Current Limiters (REFCL)-Grounding Conversions
Useful Life	45	45	15	25	65	45	15	30	45	40	40

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
44	Transmission-Equipment/Facility Failure	Connector damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
45	Transmission-Equipment/Facility Failure	Crossarm damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
46	Transmission-Equipment/Facility Failure	Fuse damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
47	Transmission-Equipment/Facility Failure	Insulator and brushing damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
48	Transmission-Equipment/Facility Failure	Lightning arrestor damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
49	Transmission-Equipment/Facility Failure	Other	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50	Transmission-Equipment/Facility Failure	Recloser damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
51	Transmission-Equipment/Facility Failure	Splice damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
52	Transmission-Equipment/Facility Failure	Switch damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
53	Transmission-Equipment/Facility Failure	Transformer damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

WMP ID	SH-1	SH-2	SH-4	SH-5	SH-6	SH-10	SH-14	SH-15	SH-16*	SH-17	SH-18
Mitigation Name	Covered Conductor (including Fire-Resistant Poles)	Undergrounding Overhead Conductor	Branch Line Protection	Remote Controlled Automatic Reclosers Settings	Circuit Breaker with Fast Curve Settings	Tree Attachments Remediation	Long Span Initiative	Vertical Switches	Vibration Damper Retrofit	Rapid Earth Fault Current Limiters (REFCL-Ground Fault Neutralizer (GFN)	Rapid Earth Fault Current Limiters (REFCL)-Grounding Conversions
Useful Life	45	45	15	25	65	45	15	30	45	40	40

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
54	Transmission-Equipment/Facility Failure	Voltage regulator / booster damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
55	Transmission-Equipment/Facility Failure	Pole damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
56	Transmission-Equipment/Facility Failure	Sectionalizer damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
57	Transmission-Equipment/Facility Failure	Tap damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
58	Transmission-Equipment/Facility Failure	Tie wire damage or failure	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
59	Transmission-Other	All Other	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
60	Transmission-Unknown	Unknown	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Wildfire Consequence	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
Safety	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Reliability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Financial	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PSPS Consequence	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
Safety	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Reliability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

WMP ID	SH-1	SH-2	SH-4	SH-5	SH-6	SH-10	SH-14	SH-15	SH-16*	SH-17	SH-18
Mitigation Name	Covered Conductor (including Fire-Resistant Poles)	Undergrounding Overhead Conductor	Branch Line Protection	Remote Controlled Automatic Reclosers Settings	Circuit Breaker with Fast Curve Settings	Tree Attachments Remediation	Long Span Initiative	Vertical Switches	Vibration Damper Retrofit	Rapid Earth Fault Current Limiters (REFCL-Ground Fault Neutralizer (GFN)	Rapid Earth Fault Current Limiters (REFCL)-Grounding Conversions
Useful Life	45	45	15	25	65	45	15	30	45	40	40

Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
		Financial	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Vibration dampers help maintain the useful life of covered conductor and therefore mirrors the covered conductor effectiveness

		WMP ID	IN-1.1	IN-1.2a	IN-1.2b	IN-3	IN-4	IN-5	IN-9a	IN-9b
		Mitigation Name	Distribution High Fire Risk-Informed (HFRI) Inspections & Remediations	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Ground)	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Aerial)	Infrared of Distribution electrical lines & equipment	Infrared of Transmission electrical lines & equipment	Generation High Fire Risk-Informed Inspections and Remediations in HFRA	Transmission Conductor & Splice Assessment (Spans1 with LineVue)	Transmission Conductor & Splice Assessment (Splices2 with Xray)
		Useful Life	30	30	30	30	30	30	30	30
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
1	Distribution-Contact From Object	Veg. contact	36%	N/A	N/A	0%	N/A	36%	N/A	N/A
2	Distribution-Contact From Object	Animal contact	66%	N/A	N/A	0%	N/A	62%	N/A	N/A
3	Distribution-Contact From Object	Balloon contact	0%	N/A	N/A	0%	N/A	0%	N/A	N/A
4	Distribution-Contact From Object	Vehicle contact	0%	N/A	N/A	0%	N/A	0%	N/A	N/A
5	Distribution-Contact From Object	Unknown contact	0%	N/A	N/A	0%	N/A	0%	N/A	N/A
6	Distribution-Unknown	Unknown	12%	N/A	N/A	0%	N/A	0%	N/A	N/A
7	Distribution-Contact From Object	Other contact from object	96%	N/A	N/A	0%	N/A	96%	N/A	N/A
8	Distribution-Wire-To-Wire	Wire-to-wire contact / contamination	0%	N/A	N/A	0%	N/A	0%	N/A	N/A
9	Distribution-Equipment/Facility Failure	Anchor / guy damage or failure	96%	N/A	N/A	0%	N/A	96%	N/A	N/A
10	Distribution-Equipment/Facility Failure	Conductor damage or failure	78%	N/A	N/A	0%	N/A	76%	N/A	N/A
11	Distribution-Equipment/Facility Failure	Connection device damage or failure	0%	N/A	N/A	0%	N/A	0%	N/A	N/A

WMP ID		IN-1.1	IN-1.2a	IN-1.2b	IN-3	IN-4	IN-5	IN-9a	IN-9b
Mitigation Name		Distribution High Fire Risk-Informed (HFRI) Inspections & Remediations	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Ground)	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Aerial)	Infrared of Distribution electrical lines & equipment	Infrared of Transmission electrical lines & equipment	Generation High Fire Risk-Informed Inspections and Remediations in HFRA	Transmission Conductor & Splice Assessment (Spans1 with LineVue)	Transmission Conductor & Splice Assessment (Splices2 with Xray)
Useful Life		30	30	30	30	30	30	30	30
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
12	Distribution-Equipment/Facility Failure	Connector damage or failure	86%	N/A	N/A	22%	N/A	97%	N/A	N/A
13	Distribution-Equipment/Facility Failure	Crossarm damage or failure	94%	N/A	N/A	0%	N/A	91%	N/A	N/A
14	Distribution-Equipment/Facility Failure	Fuse damage or failure	81%	N/A	N/A	1%	N/A	81%	N/A	N/A
15	Distribution-Equipment/Facility Failure	Insulator and bushing damage or failure	94%	N/A	N/A	0%	N/A	92%	N/A	N/A
16	Distribution-Equipment/Facility Failure	Lightning arrestor damage or failure	95%	N/A	N/A	11%	N/A	95%	N/A	N/A
17	Distribution-Equipment/Facility Failure	Other	0%	N/A	N/A	0%	N/A	0%	N/A	N/A
18	Distribution-Equipment/Facility Failure	Pole damage or failure	95%	N/A	N/A	0%	N/A	94%	N/A	N/A
19	Distribution-Equipment/Facility Failure	Recloser damage or failure	97%	N/A	N/A	0%	N/A	97%	N/A	N/A
20	Distribution-Equipment/Facility Failure	Splice damage or failure	97%	N/A	N/A	97%	N/A	97%	N/A	N/A
21	Distribution-Equipment/Facility Failure	Tie wire damage or failure	0%	N/A	N/A	0%	N/A	0%	N/A	N/A
22	Distribution-Equipment/Facility Failure	Voltage regulator / booster	48%	N/A	N/A	72%	N/A	48%	N/A	N/A

		WMP ID	IN-1.1	IN-1.2a	IN-1.2b	IN-3	IN-4	IN-5	IN-9a	IN-9b
		Mitigation Name	Distribution High Fire Risk-Informed (HFRI) Inspections & Remediations	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Ground)	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Aerial)	Infrared of Distribution electrical lines & equipment	Infrared of Transmission electrical lines & equipment	Generation High Fire Risk-Informed Inspections and Remediations in HFRA	Transmission Conductor & Splice Assessment (Spans1 with LineVue)	Transmission Conductor & Splice Assessment (Splices2 with Xray)
		Useful Life	30	30	30	30	30	30	30	30
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
		damage or failure								
23	Distribution-Contamination	Contamination	0%	N/A	N/A	0%	N/A	0%	N/A	N/A
24	Distribution-Equipment/Facility Failure	Capacitor bank damage or failure	56%	N/A	N/A	0%	N/A	50%	N/A	N/A
25	Distribution-Equipment/Facility Failure	Switch damage or failure	64%	N/A	N/A	26%	N/A	53%	N/A	N/A
26	Distribution-Equipment/Facility Failure	Transformer damage or failure	40%	N/A	N/A	1%	N/A	34%	N/A	N/A
27	Distribution-Equipment/Facility Failure	Tap damage or failure	0%	N/A	N/A	0%	N/A	0%	N/A	N/A
28	Distribution-Equipment/Facility Failure	Sectionalizer damage or failure	0%	N/A	N/A	0%	N/A	0%	0%	0%
29	Distribution-Other	All Other	89%	N/A	N/A	0%	N/A	86%	0%	0%
30	Distribution-Utility Work	Utility work / Operation	0%	N/A	N/A	0%	N/A	0%	0%	0%
31	Distribution-Vandalism	Vandalism / Theft	0%	N/A	N/A	0%	N/A	0%	0%	0%
32	Transmission-Contact From Object	Veg. contact	N/A	36%	36%	N/A	0%	N/A	0%	0%
33	Transmission-Contact From Object	Animal contact	N/A	82%	88%	N/A	0%	N/A	0%	0%
34	Transmission-Contact From Object	Balloon contact	N/A	0%	0%	N/A	0%	N/A	0%	0%

		WMP ID	IN-1.1	IN-1.2a	IN-1.2b	IN-3	IN-4	IN-5	IN-9a	IN-9b
		Mitigation Name	Distribution High Fire Risk-Informed (HFRI) Inspections & Remediations	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Ground)	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Aerial)	Infrared of Distribution electrical lines & equipment	Infrared of Transmission electrical lines & equipment	Generation High Fire Risk-Informed Inspections and Remediations in HFRA	Transmission Conductor & Splice Assessment (Spans1 with LineVue)	Transmission Conductor & Splice Assessment (Splices2 with Xray)
		Useful Life	30	30	30	30	30	30	30	30
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
35	Transmission-Contact From Object	Vehicle contact	N/A	0%	0%	N/A	0%	N/A	0%	0%
36	Transmission-Contact From Object	Other contact from object	N/A	29%	38%	N/A	0%	N/A	0%	0%
37	Transmission-Contamination	Contamination	N/A	97%	97%	N/A	0%	N/A	0%	0%
38	Transmission-Vandalism	Vandalism / Theft	N/A	0%	0%	N/A	0%	N/A	96%	0%
39	Transmission-Wire-To-Wire	Wire-to-wire contact / contamination	N/A	0%	0%	N/A	0%	N/A	0%	0%
40	Transmission-Equipment/Facility Failure	Anchor / guy damage or failure	N/A	89%	94%	N/A	0%	N/A	0%	0%
41	Transmission-Equipment/Facility Failure	Capacitor bank damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
42	Transmission-Equipment/Facility Failure	Conductor damage or failure	N/A	67%	82%	N/A	31%	N/A	0%	0%
43	Transmission-Equipment/Facility Failure	Connection device damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
44	Transmission-Equipment/Facility Failure	Connector damage or failure	N/A	0%	97%	N/A	97%	N/A	0%	0%
45	Transmission-Equipment/Facility Failure	Crossarm damage or failure	N/A	88%	96%	N/A	0%	N/A	0%	0%

	WMP ID	IN-1.1	IN-1.2a	IN-1.2b	IN-3	IN-4	IN-5	IN-9a	IN-9b
	Mitigation Name	Distribution High Fire Risk-Informed (HFRI) Inspections & Remediations	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Ground)	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Aerial)	Infrared of Distribution electrical lines & equipment	Infrared of Transmission electrical lines & equipment	Generation High Fire Risk-Informed Inspections and Remediations in HFRA	Transmission Conductor & Splice Assessment (Spans1 with LineVue)	Transmission Conductor & Splice Assessment (Splices2 with Xray)
	Useful Life	30	30	30	30	30	30	30	30
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
46	Transmission-Equipment/Facility Failure	Fuse damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
47	Transmission-Equipment/Facility Failure	Insulator and brushing damage or failure	N/A	93%	96%	N/A	14%	N/A	0%	96%
48	Transmission-Equipment/Facility Failure	Lightning arrestor damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
49	Transmission-Equipment/Facility Failure	Other	N/A	79%	88%	N/A	24%	N/A	0%	0%
50	Transmission-Equipment/Facility Failure	Recloser damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
51	Transmission-Equipment/Facility Failure	Splice damage or failure	N/A	97%	97%	N/A	97%	N/A	0%	0%
52	Transmission-Equipment/Facility Failure	Switch damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
53	Transmission-Equipment/Facility Failure	Transformer damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
54	Transmission-Equipment/Facility Failure	Voltage regulator / booster damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
55	Transmission-Equipment/Facility Failure	Pole damage or failure	N/A	96%	96%	N/A	0%	N/A	0%	0%

WMP ID	IN-1.1	IN-1.2a	IN-1.2b	IN-3	IN-4	IN-5	IN-9a	IN-9b
Mitigation Name	Distribution High Fire Risk-Informed (HFRI) Inspections & Remediations	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Ground)	Transmission High Fire Risk-Informed (HFRI) Inspections & Remediations (Aerial)	Infrared of Distribution electrical lines & equipment	Infrared of Transmission electrical lines & equipment	Generation High Fire Risk-Informed Inspections and Remediations in HFRA	Transmission Conductor & Splice Assessment (Spans1 with LineVue)	Transmission Conductor & Splice Assessment (Splices2 with Xray)
Useful Life	30	30	30	30	30	30	30	30

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
56	Transmission-Equipment/Facility Failure	Sectionalizer damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
57	Transmission-Equipment/Facility Failure	Tap damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
58	Transmission-Equipment/Facility Failure	Tie wire damage or failure	N/A	0%	0%	N/A	0%	N/A	0%	0%
59	Transmission-Other	All Other	N/A	73%	89%	N/A	0%	N/A	0%	0%
60	Transmission-Unknown	Unknown	N/A	0%	0%	N/A	0%	N/A	0%	0%

Wildfire Consequence	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
Safety	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Reliability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Financial	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

PSPS Consequence	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
Safety	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Reliability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Financial	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

WMP ID	SA-1	SA-3	SA-8	SA-10a
Mitigation Name	Weather Stations	Weather and Fuels Modeling System	Fire Science	High Definition Cameras
Useful Life	10	1	1	7

Wildfire Consequence	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
Safety	N/A	N/A	N/A	5%
Reliability	N/A	N/A	N/A	5%
Financial	N/A	N/A	N/A	5%

PSPS Consequence	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
Safety	32%	3%	2%	1%
Reliability	32%	3%	2%	1%
Financial	32%	3%	2%	1%

	WMP ID	VM-1	VM-2	VM-3	VM-4	VM-7	VM-8
	Mitigation Name	Hazard Tree Management Program	Structure Brushing	Expanded Clearances for Legacy Facilities	Dead and Dying Tree Removal	Expanded Line Clearing (Distribution)	Expanded Line Clearing (Transmission)
	Useful Life	60	1	3	60	1	1
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
1	Distribution-Contact From Object	Veg. contact	63%	0%	37%	52%	37%	N/A
2	Distribution-Contact From Object	Animal contact	0%	0%	0%	0%	0%	N/A
3	Distribution-Contact From Object	Balloon contact	0%	0%	0%	0%	0%	N/A
4	Distribution-Contact From Object	Vehicle contact	0%	0%	0%	0%	0%	N/A
5	Distribution-Contact From Object	Unknown contact	0%	0%	0%	0%	0%	N/A
6	Distribution-Unknown	Unknown	0%	0%	0%	0%	0%	N/A
7	Distribution-Contact From Object	Other contact from object	0%	0%	0%	0%	0%	N/A
8	Distribution-Wire-To-Wire	Wire-to-wire contact / contamination	0%	0%	0%	0%	0%	N/A
9	Distribution-Equipment/Facility Failure	Anchor / guy damage or failure	0%	0%	0%	0%	0%	N/A
10	Distribution-Equipment/Facility Failure	Conductor damage or failure	0%	0%	0%	0%	0%	N/A
11	Distribution-Equipment/Facility Failure	Connection device damage or failure	0%	39%	39%	0%	0%	N/A
12	Distribution-Equipment/Facility Failure	Connector damage or failure	0%	39%	39%	0%	0%	N/A
13	Distribution-Equipment/Facility Failure	Crossarm damage or failure	0%	39%	39%	0%	0%	N/A
14	Distribution-Equipment/Facility Failure	Fuse damage or failure	0%	39%	39%	0%	0%	N/A
15	Distribution-Equipment/Facility Failure	Insulator and bushing damage or failure	0%	39%	39%	0%	0%	N/A

		WMP ID	VM-1	VM-2	VM-3	VM-4	VM-7	VM-8
		Mitigation Name	Hazard Tree Management Program	Structure Brushing	Expanded Clearances for Legacy Facilities	Dead and Dying Tree Removal	Expanded Line Clearing (Distribution)	Expanded Line Clearing (Transmission)
		Useful Life	60	1	3	60	1	1
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
16	Distribution-Equipment/Facility Failure	Lightning arrestor damage or failure	0%	39%	39%	0%	0%	N/A
17	Distribution-Equipment/Facility Failure	Other	0%	39%	39%	0%	0%	N/A
18	Distribution-Equipment/Facility Failure	Pole damage or failure	0%	0%	0%	0%	0%	N/A
19	Distribution-Equipment/Facility Failure	Recloser damage or failure	0%	39%	0%	0%	0%	N/A
20	Distribution-Equipment/Facility Failure	Splice damage or failure	0%	0%	0%	0%	0%	N/A
21	Distribution-Equipment/Facility Failure	Tie wire damage or failure	0%	0%	0%	0%	0%	N/A
22	Distribution-Equipment/Facility Failure	Voltage regulator / booster damage or failure	0%	39%	39%	0%	0%	N/A
23	Distribution-Contamination	Contamination	0%	0%	0%	0%	0%	N/A
24	Distribution-Equipment/Facility Failure	Capacitor bank damage or failure	0%	39%	39%	0%	0%	N/A
25	Distribution-Equipment/Facility Failure	Switch damage or failure	0%	39%	39%	0%	0%	N/A
26	Distribution-Equipment/Facility Failure	Transformer damage or failure	0%	39%	39%	0%	0%	N/A
27	Distribution-Equipment/Facility Failure	Tap damage or failure	0%	0%	0%	0%	0%	N/A
28	Distribution-Equipment/Facility Failure	Sectionalizer damage or failure	0%	39%	39%	0%	0%	N/A
29	Distribution-Other	All Other	0%	0%	0%	0%	0%	N/A

	WMP ID	VM-1	VM-2	VM-3	VM-4	VM-7	VM-8
	Mitigation Name	Hazard Tree Management Program	Structure Brushing	Expanded Clearances for Legacy Facilities	Dead and Dying Tree Removal	Expanded Line Clearing (Distribution)	Expanded Line Clearing (Transmission)
	Useful Life	60	1	3	60	1	1
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
30	Distribution-Utility Work	Utility work / Operation	0%	0%	0%	0%	0%	N/A
31	Distribution-Vandalism	Vandalism / Theft	0%	0%	0%	0%	0%	N/A
32	Transmission-Contact From Object	Veg. contact	63%	N/A	N/A	52%	N/A	37%
33	Transmission-Contact From Object	Animal contact	0%	N/A	N/A	0%	N/A	0%
34	Transmission-Contact From Object	Balloon contact	0%	N/A	N/A	0%	N/A	0%
35	Transmission-Contact From Object	Vehicle contact	0%	N/A	N/A	0%	N/A	0%
36	Transmission-Contact From Object	Other contact from object	0%	N/A	N/A	0%	N/A	0%
37	Transmission-Contamination	Contamination	0%	N/A	N/A	0%	N/A	0%
38	Transmission-Vandalism	Vandalism / Theft	0%	N/A	N/A	0%	N/A	0%
39	Transmission-Wire-To-Wire	Wire-to-wire contact / contamination	0%	N/A	N/A	0%	N/A	0%
40	Transmission-Equipment/Facility Failure	Anchor / guy damage or failure	0%	N/A	N/A	0%	N/A	0%
41	Transmission-Equipment/Facility Failure	Capacitor bank damage or failure	0%	N/A	N/A	0%	N/A	0%
42	Transmission-Equipment/Facility Failure	Conductor damage or failure	0%	N/A	N/A	0%	N/A	0%
43	Transmission-Equipment/Facility Failure	Connection device damage or failure	0%	N/A	N/A	0%	N/A	0%
44	Transmission-Equipment/Facility Failure	Connector damage or failure	0%	N/A	N/A	0%	N/A	0%
45	Transmission-Equipment/Facility Failure	Crossarm damage or failure	0%	N/A	N/A	0%	N/A	0%

	WMP ID	VM-1	VM-2	VM-3	VM-4	VM-7	VM-8
	Mitigation Name	Hazard Tree Management Program	Structure Brushing	Expanded Clearances for Legacy Facilities	Dead and Dying Tree Removal	Expanded Line Clearing (Distribution)	Expanded Line Clearing (Transmission)
	Useful Life	60	1	3	60	1	1
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
46	Transmission-Equipment/Facility Failure	Fuse damage or failure	0%	N/A	N/A	0%	N/A	0%
47	Transmission-Equipment/Facility Failure	Insulator and brushing damage or failure	0%	N/A	N/A	0%	N/A	0%
48	Transmission-Equipment/Facility Failure	Lightning arrestor damage or failure	0%	N/A	N/A	0%	N/A	0%
49	Transmission-Equipment/Facility Failure	Other	0%	N/A	N/A	0%	N/A	0%
50	Transmission-Equipment/Facility Failure	Recloser damage or failure	0%	N/A	N/A	0%	N/A	0%
51	Transmission-Equipment/Facility Failure	Splice damage or failure	0%	N/A	N/A	0%	N/A	0%
52	Transmission-Equipment/Facility Failure	Switch damage or failure	0%	N/A	N/A	0%	N/A	0%
53	Transmission-Equipment/Facility Failure	Transformer damage or failure	0%	N/A	N/A	0%	N/A	0%
54	Transmission-Equipment/Facility Failure	Voltage regulator / booster damage or failure	0%	N/A	N/A	0%	N/A	0%
55	Transmission-Equipment/Facility Failure	Pole damage or failure	0%	N/A	N/A	0%	N/A	0%
56	Transmission-Equipment/Facility Failure	Sectionalizer damage or failure	0%	N/A	N/A	0%	N/A	0%
57	Transmission-Equipment/Facility Failure	Tap damage or failure	0%	N/A	N/A	0%	N/A	0%
58	Transmission-Equipment/Facility Failure	Tie wire damage or failure	0%	N/A	N/A	0%	N/A	0%

WMP ID	VM-1	VM-2	VM-3	VM-4	VM-7	VM-8
Mitigation Name	Hazard Tree Management Program	Structure Brushing	Expanded Clearances for Legacy Facilities	Dead and Dying Tree Removal	Expanded Line Clearing (Distribution)	Expanded Line Clearing (Transmission)
Useful Life	60	1	3	60	1	1

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
59	Transmission-Other	All Other	0%	N/A	N/A	0%	N/A	0%
60	Transmission-Unknown	Unknown	0%	N/A	N/A	0%	N/A	0%

Wildfire Consequence	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
Safety	N/A	N/A	N/A	N/A	N/A	N/A
Reliability	N/A	N/A	N/A	N/A	N/A	N/A
Financial	N/A	N/A	N/A	N/A	N/A	N/A

PSPS Consequence	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
Safety	N/A	N/A	N/A	N/A	N/A	N/A
Reliability	N/A	N/A	N/A	N/A	N/A	N/A
Financial	N/A	N/A	N/A	N/A	N/A	N/A

WMP ID	PSPS-2	PSPS-3	DEP-5
Mitigation Name	Customer Care Programs (Critical Care Backup Battery (CCBB) Program)	Customer Care Programs (Portable Power Station and Generator Rebates)	Aerial Suppression
Useful Life	3	3	1

Wildfire Consequence	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
Safety	N/A	N/A	2.4%
Reliability	N/A	N/A	2.4%
Financial	N/A	N/A	2.4%

PSPS Consequence	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
Safety	28%	8%	N/A
Reliability	28%	8%	N/A
Financial	28%	8%	N/A

WMP ID	N/A	N/A	SA-11	SH-8	N/A	SA-10b
Mitigation Name	Distribution Open Phase Detection (DOPD)	High Impedence (Hi-Z) Relays	Early Fault Detection (EFD)	Transmission Open Phase Detection (TOPD)	Fire resistant wrap Retrofit on dead-end poles	Satellite and Other Imaging Technology for Fire Spotting
Useful Life	65	65	20	65	45	7

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
1	Distribution-Contact From Object	Veg. contact	2%	2%	7%	N/A	N/A	N/A
2	Distribution-Contact From Object	Animal contact	2%	2%	3%	N/A	N/A	N/A
3	Distribution-Contact From Object	Balloon contact	2%	2%	3%	N/A	N/A	N/A
4	Distribution-Contact From Object	Vehicle contact	2%	2%	0%	N/A	N/A	N/A
5	Distribution-Contact From Object	Unknown contact	2%	2%	0%	N/A	N/A	N/A
6	Distribution-Unknown	Unknown	2%	2%	10%	N/A	N/A	N/A
7	Distribution-Contact From Object	Other contact from object	2%	2%	0%	N/A	N/A	N/A
8	Distribution-Wire-To-Wire	Wire-to-wire contact / contamination	0%	0%	10%	N/A	N/A	N/A
9	Distribution-Equipment/Facility Failure	Anchor / guy damage or failure	2%	2%	0%	N/A	N/A	N/A
10	Distribution-Equipment/Facility Failure	Conductor damage or failure	2%	2%	9%	N/A	N/A	N/A
11	Distribution-Equipment/Facility Failure	Connection device damage or failure	2%	2%	10%	N/A	N/A	N/A
12	Distribution-Equipment/Facility Failure	Connector damage or failure	2%	2%	22%	N/A	N/A	N/A
13	Distribution-Equipment/Facility Failure	Crossarm damage or failure	2%	2%	0%	N/A	N/A	N/A
14	Distribution-Equipment/Facility Failure	Fuse damage or failure	0%	2%	2%	N/A	N/A	N/A
15	Distribution-Equipment/Facility Failure	Insulator and bushing damage or failure	2%	2%	18%	N/A	N/A	N/A
16	Distribution-Equipment/Facility Failure	Lightning arrestor damage or failure	0%	2%	2%	N/A	N/A	N/A
17	Distribution-Equipment/Facility Failure	Other	2%	2%	0%	N/A	N/A	N/A
18	Distribution-Equipment/Facility Failure	Pole damage or failure	2%	2%	0%	N/A	N/A	N/A
19	Distribution-Equipment/Facility Failure	Recloser damage or failure	0%	2%	5%	N/A	N/A	N/A

WMP ID	N/A	N/A	SA-11	SH-8	N/A	SA-10b
Mitigation Name	Distribution Open Phase Detection (DOPD)	High Impedence (Hi-Z) Relays	Early Fault Detection (EFD)	Transmission Open Phase Detection (TOPD)	Fire resistant wrap Retrofit on dead-end poles	Satellite and Other Imaging Technology for Fire Spotting
Useful Life	65	65	20	65	45	7

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
20	Distribution-Equipment/Facility Failure	Splice damage or failure	2%	2%	0%	N/A	N/A	N/A
21	Distribution-Equipment/Facility Failure	Tie wire damage or failure	2%	2%	0%	N/A	N/A	N/A
22	Distribution-Equipment/Facility Failure	Voltage regulator / booster damage or failure	0%	2%	5%	N/A	N/A	N/A
23	Distribution-Contamination	Contamination	2%	2%	2%	N/A	N/A	N/A
24	Distribution-Equipment/Facility Failure	Capacitor bank damage or failure	0%	2%	2%	N/A	N/A	N/A
25	Distribution-Equipment/Facility Failure	Switch damage or failure	0%	2%	13%	N/A	N/A	N/A
26	Distribution-Equipment/Facility Failure	Transformer damage or failure	0%	2%	7%	N/A	N/A	N/A
27	Distribution-Equipment/Facility Failure	Tap damage or failure	2%	2%	0%	N/A	N/A	N/A
28	Distribution-Equipment/Facility Failure	Sectionalizer damage or failure	0%	2%	5%	N/A	N/A	N/A
29	Distribution-Other	All Other	2%	2%	5%	N/A	N/A	N/A
30	Distribution-Utility Work	Utility work / Operation	2%	2%	0%	N/A	N/A	N/A
31	Distribution-Vandalism	Vandalism / Theft	2%	2%	0%	N/A	N/A	N/A
32	Transmission-Contact From Object	Veg. contact	N/A	N/A	5%	0%	N/A	N/A
33	Transmission-Contact From Object	Animal contact	N/A	N/A	10%	0%	N/A	N/A
34	Transmission-Contact From Object	Balloon contact	N/A	N/A	2%	0%	N/A	N/A
35	Transmission-Contact From Object	Vehicle contact	N/A	N/A	0%	5%	N/A	N/A
36	Transmission-Contact From Object	Other contact from object	N/A	N/A	0%	5%	N/A	N/A
37	Transmission-Contamination	Contamination	N/A	N/A	2%	0%	N/A	N/A
38	Transmission-Vandalism	Vandalism / Theft	N/A	N/A	0%	80%	N/A	N/A
39	Transmission-Wire-To-Wire	Wire-to-wire contact / contamination	N/A	N/A	10%	0%	N/A	N/A

WMP ID	N/A	N/A	SA-11	SH-8	N/A	SA-10b
Mitigation Name	Distribution Open Phase Detection (DOPD)	High Impedence (Hi-Z) Relays	Early Fault Detection (EFD)	Transmission Open Phase Detection (TOPD)	Fire resistant wrap Retrofit on dead-end poles	Satellite and Other Imaging Technology for Fire Spotting
Useful Life	65	65	20	65	45	7

Drivers	Driver Type	Subdriver Type	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness	Mitigation Effectiveness
40	Transmission-Equipment/Facility Failure	Anchor / guy damage or failure	N/A	N/A	0%	0%	N/A	N/A
41	Transmission-Equipment/Facility Failure	Capacitor bank damage or failure	N/A	N/A	0%	0%	N/A	N/A
42	Transmission-Equipment/Facility Failure	Conductor damage or failure	N/A	N/A	10%	80%	N/A	N/A
43	Transmission-Equipment/Facility Failure	Connection device damage or failure	N/A	N/A	10%	80%	N/A	N/A
44	Transmission-Equipment/Facility Failure	Connector damage or failure	N/A	N/A	10%	80%	N/A	N/A
45	Transmission-Equipment/Facility Failure	Crossarm damage or failure	N/A	N/A	0%	80%	N/A	N/A
46	Transmission-Equipment/Facility Failure	Fuse damage or failure	N/A	N/A	2%	0%	N/A	N/A
47	Transmission-Equipment/Facility Failure	Insulator and brushing damage or failure	N/A	N/A	5%	0%	N/A	N/A
48	Transmission-Equipment/Facility Failure	Lightning arrestor damage or failure	N/A	N/A	2%	0%	N/A	N/A
49	Transmission-Equipment/Facility Failure	Other	N/A	N/A	5%	0%	N/A	N/A
50	Transmission-Equipment/Facility Failure	Recloser damage or failure	N/A	N/A	0%	0%	N/A	N/A
51	Transmission-Equipment/Facility Failure	Splice damage or failure	N/A	N/A	0%	80%	N/A	N/A
52	Transmission-Equipment/Facility Failure	Switch damage or failure	N/A	N/A	10%	0%	N/A	N/A
53	Transmission-Equipment/Facility Failure	Transformer damage or failure	N/A	N/A	0%	0%	N/A	N/A
54	Transmission-Equipment/Facility Failure	Voltage regulator / booster damage or failure	N/A	N/A	0%	0%	N/A	N/A
55	Transmission-Equipment/Facility Failure	Pole damage or failure	N/A	N/A	0%	0%	N/A	N/A
56	Transmission-Equipment/Facility Failure	Sectionalizer damage or failure	N/A	N/A	0%	0%	N/A	N/A
57	Transmission-Equipment/Facility Failure	Tap damage or failure	N/A	N/A	0%	0%	N/A	N/A

WMP ID	N/A	N/A	SA-11	SH-8	N/A	SA-10b
Mitigation Name	Distribution Open Phase Detection (DOPD)	High Impedence (Hi-Z) Relays	Early Fault Detection (EFD)	Transmission Open Phase Detection (TOPD)	Fire resistant wrap Retrofit on dead-end poles	Satellite and Other Imaging Technology for Fire Spotting
Useful Life	65	65	20	65	45	7

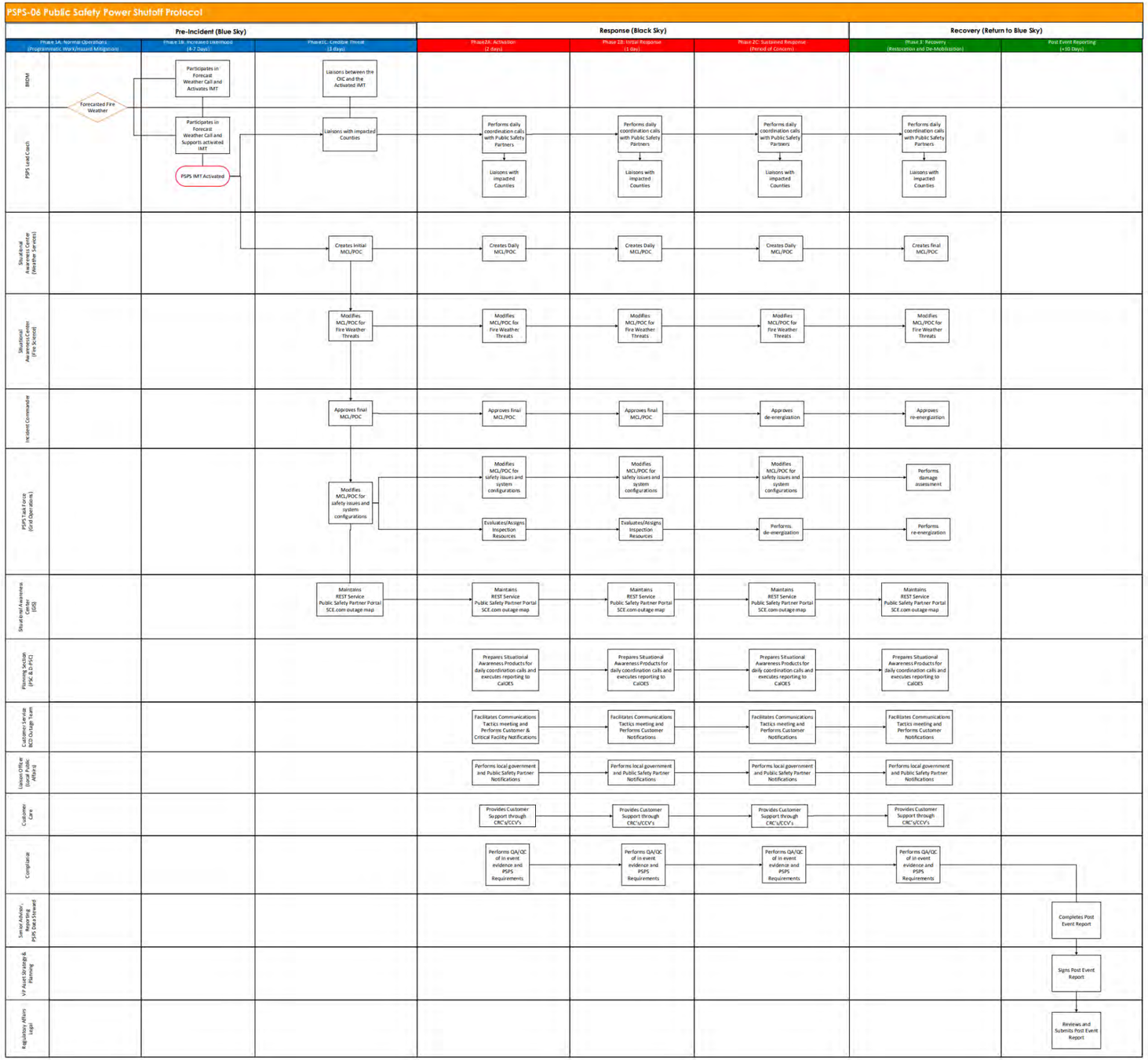
Drivers	**Driver Type**	**Subdriver Type**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
58	Transmission-Equipment/Facility Failure	Tie wire damage or failure	N/A	N/A	0%	0%	N/A	N/A
59	Transmission-Other	All Other	N/A	N/A	5%	0%	N/A	N/A
60	Transmission-Unknown	Unknown	N/A	N/A	10%	0%	N/A	N/A

Wildfire Consequence	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
Safety	N/A	N/A	N/A	N/A	N/A	3%
Reliability	N/A	N/A	N/A	N/A	42%	3%
Financial	N/A	N/A	N/A	N/A	N/A	3%

PSPS Consequence	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**	**Mitigation Effectiveness**
Safety	N/A	N/A	N/A	N/A	N/A	N/A
Reliability	N/A	N/A	N/A	N/A	N/A	N/A
Financial	N/A	N/A	N/A	N/A	N/A	N/A

F3: Continuation of Section 8.4 - Emergency Preparedness

Due to its size, SCE provides Figure SCE 8-52a PSPS Flowchart below.


PSPS-06 Public Safety Power Shutoff Protocol
Pre-Incident (Blue Sky)
Response (Black Sky)
Recovery (Return to Blue Sky)
Phase 1A: Normal Operations (Programmatic Work/Hazard Mitigation)
Phase 1B: Increased Likelihood (4-7 Days)
Phase1C: Credible Threat (3 days)
Phase2A: Activation (2 days)
Phase 2B: Initial Response (1 day)
Phase 2C: Sustained Response (Period of Concern)
Phase 3: Recovery (Restoration and De-Mobilization)
Post Event Reporting (+10 Days)
BEOM
PSPS Lead Coach
Situational Awareness Center (Weather Services)
Situational Awareness Center (Fire Science)
Incident Commander
PSPS Task Force (Grid Operations)
Situational Awareness Unit (GIS)
Planning Section (PSC & D-PSC)
Customer Service MCI Outage Team
Liaison Office (Local Public Affairs)
Customer Care
Compliance
Senior Advisor, Wildfire & PSPS Data Steward
VP Asset Strategy & Planning
Regulatory Affairs Legal
Forecasted Fire Weather
Participates in Forecast Weather Call and Activates IMT
Participates in Forecast Weather Call and Supports activated IMT
PSPS IMT Activated
Liaisons between the OIC and the Activated IMT
Liaisons with impacted Counties
Performs daily coordination calls with Public Safety Partners
Liaisons with impacted Counties
Creates Initial MCI/POC
Creates Daily MCI/POC
Creates final MCI/POC
Modifies MCI/POC for Fire Weather Threats
Approves final MCI/POC
Approves de-energization
Approves re-energization
Modifies MCI/POC for safety issues and system configurations
Evaluates/Assigns Inspection Resources
Performs de-energization
Performs re-energization
Performs damage assessment
Maintains REST Service Public Safety Partner Portal SCE.com outage map
Prepares Situational Awareness Products for daily coordination calls and executes reporting to CalOES
Facilitates Communications Tactics meeting and Performs Customer & Critical Facility Notifications
Facilitates Communications Tactics meeting and Performs Customer Notifications
Performs local government and Public Safety Partner Notifications
Provides Customer Support through CRC's/CCV's
Performs QA/QC of in event evidence and PSPS Requirements
Completes Post Event Report
Signs Post Event Report
Reviews and Submits Post Event Report

Due to its size, SCE provides PSPS alert and notification schedules below.

PSPS Alert and Notification Schedules

Stakeholder	**Advanced Initial**	**Initial** *(Alert)*	**Update** *(Alert)*	**Expected** *(Imminent Shutoff) (Warning) [1]*	**Shutoff** *(Statement)*	**Continued Shutoff** *(to be sent the following morning at 9:00)*	**Prep Restore** *Prepare to Restore (Statement) [2]*	**All Clear** *PSPS All Clear - Event Avoided (Statement) [3]*	**Ended** *PSPS Ended/Restored & All Clear*	**Not All Clear** *PSPS Temporarily Restored; NOT All Clear, PSPS Risk Remains*	**Language Preference**
First/Emergency Responders/Public Safety Partners, local governments, and tribes	72 hours before	48 & 24 hours before	48 & 24 hours before	1-4 hours	When De-Energization Occurs	When de-energization continues overnight, sent to customers the next morning	Before Re-energization Occurs	When circuits are no longer being considered for PSPS and were not de-energized	When circuits were de-energized and have been restored and are no longer being monitored	When circuit is temporarily restored but still at risk for PSPS (usually when there is a break in POC)	Voice Calls - Select number for language preference Emails have re-direct Links to SCE.com for language preference Text has re-direct links to SCE.com for language preference
Critical Infrastructure/Service Providers	72 hours before	48 & 24 hours before	48 & 24 hours before	1-4 hours	When De-Energization Occurs	When de-energization continues overnight, sent to customers the next morning	Before Re-energization Occurs	When circuits are no longer being considered for PSPS and were not de-energized	When circuits were de-energized and have been restored and are no longer being monitored	When circuit is temporarily restored but still at risk for PSPS (usually when there is a break in POC)	Voice Calls - Select number for language preference Emails have re-direct Links to SCE.com for language preference Text has re-direct links to SCE.com for language preference
Customers	N/A	48 hours before	24 hours before	1-4 hours	When De-Energization Occurs	When de-energization continues overnight, sent to customers the next morning	Before Re-energization Occurs	When circuits are no longer being considered for PSPS and were not de-energized	When circuits were de-energized and have been restored and are no longer being monitored	When circuit is temporarily restored but still at risk for PSPS (usually when there is a break in POC)	Voice Calls - Select number for language preference Emails have re-direct Links to SCE.com for language preference Text has re-direct links to SCE.com for language preference

*SCE will target the schedule above to notify customers. Erratic or sudden onset of hazardous conditions that jeopardize public safety may impact SCE's ability to provide advance notice to customers.

[1] SCE will make every attempt to notify customers at the 1-4 hour warning stage. Given the unpredictability of shifting weather during PSPS, implentation of this timeframe may very.
[2] SCE will attempt to notify customers before re-energization when possible.
[3] SCE needs to send out notification within 2 hours of the MCL/POC is approved by the IC.

F4: Continuation of Section 8.5 – Community Outreach and Engagement

Due to its size, SCE provides Table 8-61 - Collaboration in Local Wildfire Mitigation Planning.

Name of County, City, or Tribal Agency or Civil Society Group (e.g., nongovernment organization, fire safe council)	Program, Plan, or Document	Last Version of Collaboration (Meeting Date)	Level of Collaboration (Subject)
Acton Town Council	General WMP Plan and PSPS Protocols	6/27/2022	Acton Town Council Wildfire Mitigation Update Completed
Acton Town Council	General WMP Plan and PSPS Protocols	6/17/2022	Acton Town Council Concerned About Uptick in Emergency Outages
Adelanto	General WMP Plan and PSPS Protocols	6/9/2022	City of Adelanto Reliability Report and WMP/PSPS Briefing Meeting
Agoura Hills	General WMP Plan and PSPS Protocols	6/21/2022	Wildfire
Agua Caliente Band of Cahuilla Indians	General WMP Plan and PSPS Protocols	5/19/2022	2022 Circuit Reliability Report sent
Agua Dulce Town Council	General WMP Plan and PSPS Protocols	7/13/2022	Agua Dulce Town Council Wildfire Mitigation Update Scheduled
Alhambra	General WMP Plan and PSPS Protocols	6/29/2022	Alhambra: June 2022 Vice Mayor Andrade-Stadler To Attend 6/29 EOC Tour
Aliso Viejo	General WMP Plan and PSPS Protocols	6/30/2022	AV WMP Briefing Follow-Up
Apple Valley	General WMP Plan and PSPS Protocols	6/29/2022	Request for Meeting WMP/Reliability Town of Apple Valley
Arcadia	General WMP Plan and PSPS Protocols	6/9/2022	Arcadia: Public Works Director Attends 2022 SGV Virtual WMP Presentation
Association of California Cities - Orange County (ACCOC)	General WMP Plan and PSPS Protocols	8/25/2022	SCE Presentation to L&R Committee
Avalon	General WMP Plan and PSPS Protocols	5/25/2022	Avalon WMP Briefing
Barstow	General WMP Plan and PSPS Protocols	6/14/2022	City of Barstow Reliability Report and WMP/PSPS Briefing Meeting
Beaumont	General WMP Plan and PSPS Protocols	6/8/2022	WMP Briefing Completed - City of Beaumont
Beverly Hills	General WMP Plan and PSPS Protocols	5/11/2022	Beverly Hills - 2022 Reliability Outreach, Wildfire Presentation and Quarterly Coordination Meeting
Bradbury	General WMP Plan and PSPS Protocols	8/16/2022	Bradbury: August 2022 WMP Council Presentation Held In-Person
Bradbury	General WMP Plan and PSPS Protocols	7/19/2022	Bradbury: July 2022 CM Shares Councilmember Question If City Can Pay for Covered Conductor
Bradbury	General WMP Plan and PSPS Protocols	6/9/2022	Bradbury: City Staff Attended 2022 SGV Virtual WMP Presentation
Bradbury	General WMP Plan and PSPS Protocols	5/3/2022	Bradbury: April 2022 Confirmed CM & Staff Attending 5/3 PSPS-Focused EOC Tour
Brea	General WMP Plan and PSPS Protocols	6/22/2022	2022 Wildfire Mitigation Plan Briefing
Brea	General WMP Plan and PSPS Protocols	6/22/2022	Sharing PSPS customer care program information with city
Calabasas	General WMP Plan and PSPS Protocols	7/7/2022	Wildfire
California Contract Cities Association (CCCA)	General WMP Plan and PSPS Protocols	3/2/2022	CCCA Sacramento Legislative Tour 2022
California Contract Cities Association (CCCA)	General WMP Plan and PSPS Protocols	9/2/2022	6th Annual City Managers' Summit (2022)
California State Senate District 21	General WMP Plan and PSPS Protocols	9/14/2022	Castaic Town Council Complaints About Wildfire Mitigation Road Closures in Val Verde
California State Senate District 21	General WMP Plan and PSPS Protocols	6/22/2022	Outage Update Request from Senator Wilk's Office - Concern about Acton, Medical Customer
Calimesa	General WMP Plan and PSPS Protocols	5/18/2022	WMP Update Briefing - City of Calimesa
Camarillo	General WMP Plan and PSPS Protocols	7/26/2022	Wildfire/Reliability Update
Camarillo	General WMP Plan and PSPS Protocols	2/23/2022	Camarillo City Council Wildfire Mitigation/Rates Update
Canyon Lake	General WMP Plan and PSPS Protocols	6/23/2022	Canyon Lake WMP Meeting
Castaic Area Town Council	General WMP Plan and PSPS Protocols	9/14/2022	Castaic Town Council Complaints About Wildfire Mitigation Road Closures in Val Verde
Cathedral City	General WMP Plan and PSPS Protocols	6/28/2022	Cathedral City - Reliability Report 2022 & Meeting request
Chino	General WMP Plan and PSPS Protocols	8/30/2022	Circuit Reliability & WMP Update City Of Chino 2022
Chino Hills	General WMP Plan and PSPS Protocols	7/26/2022	Wildfire Mitigation Meeting -Chino Hills
Claremont	General WMP Plan and PSPS Protocols	10/11/2022	Claremont 2022 Circuit Reliability Council Presentation
Claremont	General WMP Plan and PSPS Protocols	6/29/2022	Wave 2 - Claremont Circuit Reliability Report

Name of County, City, or Tribal Agency or Civil Society Group (e.g., nongovernment organization, fire safe council)	Program, Plan, or Document	Last Version of Collaboration (Meeting Date)	Level of Collaboration (Subject)
Claremont	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Email Invite
Claremont	General WMP Plan and PSPS Protocols	5/10/2022	HFRA EOC Tour of May 10
Colton	General WMP Plan and PSPS Protocols	6/20/2022	Colton 2022 Circuit Reliability / Wildfire Update staff presentation
Corona	General WMP Plan and PSPS Protocols	5/31/2022	Corona WMP Meeting
Covina	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Email Invite
Covina	General WMP Plan and PSPS Protocols	5/10/2022	HFRA EOC Tour
Culver City	General WMP Plan and PSPS Protocols	6/28/2022	Culver City - Wildfire and Reliability Presentation
Desert Hot Springs	General WMP Plan and PSPS Protocols	7/8/2022	Desert Hot Springs - Meeting with Councilmember Gary Gardner
Desert Hot Springs	General WMP Plan and PSPS Protocols	6/30/2022	Desert Hot Springs - WMP Reliability Report 2022 - no meeting needed.
Diamond Bar	General WMP Plan and PSPS Protocols	6/14/2022	Diamond Bar 2022 Circuit Reliability staff presentation
Diamond Bar	General WMP Plan and PSPS Protocols	5/3/2022	HFRA EOC Tour
Diamond Bar	General WMP Plan and PSPS Protocols	6/14/2022	Wave 2 - Diamond Bar Circuit Reliability Report
Duarte	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Presentation.
Eastvale	General WMP Plan and PSPS Protocols	6/14/2022	Eastvale 2022 Circuit Reliability staff presentation
Exeter	General WMP Plan and PSPS Protocols	6/29/2022	2022 Wildfire Safety Update: City of Exeter
Fillmore	General WMP Plan and PSPS Protocols	6/22/2022	Completed Wildfire Mitigation & Reliability Update for City of Fillmore
Fillmore	General WMP Plan and PSPS Protocols	2/22/2022	City of Fillmore council presentation following PSPS event
Fontana	General WMP Plan and PSPS Protocols	6/30/2022	2022 WMP -Fontana
Fresno County	General WMP Plan and PSPS Protocols	6/2/2022	2022 Wildfire Safety Update: Fresno County
Glendora	General WMP Plan and PSPS Protocols	6/29/2022	Glendora: June 2022 Councilmember Fredendall To Attend 6/29 EOC Tour
Glendora	General WMP Plan and PSPS Protocols	6/9/2022	Glendora: Public Works Director Attends 2022 SGV Virtual WMP Presentation
Glendora	General WMP Plan and PSPS Protocols	5/10/2022	Glendora: April 2022 Confirmed Mayor Davis Attending 5/10 All Hazards-Focused EOC Tour
Grand Terrace	General WMP Plan and PSPS Protocols	6/14/2022	Grand Terrace 2022 Circuit Reliability staff presentation
Greater Irvine Chamber of Commerce (GICC)	General WMP Plan and PSPS Protocols	3/3/2022	GICC March Govt Affairs Committee with Sup Wagner
Hemet	General WMP Plan and PSPS Protocols	6/1/2022	WMP Briefing Completed - City of Hemet
Hesperia	General WMP Plan and PSPS Protocols	6/29/2022	Hesperia 2022 Reliability Report - No meeting needed.
Hidden Hills	General WMP Plan and PSPS Protocols	7/7/2022	Wildfire
Highland	General WMP Plan and PSPS Protocols	6/14/2022	Highland 2022 Circuit Reliability staff presentation
Industry	General WMP Plan and PSPS Protocols	5/3/2022	HFRA EOC Tour
Industry	General WMP Plan and PSPS Protocols	7/14/2022	Industry WMP Communication
Institute for Local Government (ILG)	General WMP Plan and PSPS Protocols	6/23/2022	ILG Webinar - Personal and Organizational Wildfire Preparedness and Prevention.
Inyo County	General WMP Plan and PSPS Protocols	6/6/2022	2022 Wildfire Mitigation Outreach
Inyo County	General WMP Plan and PSPS Protocols	9/7/2022	Inyo County Unified Command - quarterly meeting - multiple agency/stakeholders
Inyo County	General WMP Plan and PSPS Protocols	12/7/2022	Inyo County Unified Command - quarterly meeting - multiple agency/stakeholders
Irvine	General WMP Plan and PSPS Protocols	7/20/2022	Vice Mayor Kuo Wildfire Prevention Event
Irvine	General WMP Plan and PSPS Protocols	6/21/2022	WMP & Reliability Briefing with Irvine Execs
Irvine	General WMP Plan and PSPS Protocols	6/8/2022	Irvine Green Ribbon Committee Presentation
Irvine	General WMP Plan and PSPS Protocols	3/21/2022	Meet & Greet with new City Manager
Irvine	General WMP Plan and PSPS Protocols	6/21/2022	Irvine WMP/Reliability Presentation Request
Irwindale	General WMP Plan and PSPS Protocols	6/29/2022	Tier 3: Irwindale Circuit Reliability Staff Presentation
Irwindale	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Email Invite
Irwindale	General WMP Plan and PSPS Protocols	5/3/2022	HFRA EOC Tour

Name of County, City, or Tribal Agency or Civil Society Group (e.g., nongovernment organization, fire safe council)	Program, Plan, or Document	Last Version of Collaboration (Meeting Date)	Level of Collaboration (Subject)
Jurupa Valley	General WMP Plan and PSPS Protocols	6/2/2022	WMP Update Briefing City of Jurupa Valley
Kern County	General WMP Plan and PSPS Protocols	6/2/2022	2022 Wildfire Mitigation Outreach
La Canada Flintridge	General WMP Plan and PSPS Protocols	8/2/2022	La Canada Flintridge City Council 2022 Annual Circuit Reliability
La Canada Flintridge	General WMP Plan and PSPS Protocols	6/27/2022	La Canada Flintridge Annual Circuit Reliability city staff presentation
La Canada Flintridge	General WMP Plan and PSPS Protocols	5/3/2022	HFRA EOC Tour
La Canada Flintridge	General WMP Plan and PSPS Protocols	6/9/2022	La Canada Flintridge Wildfire Mitigation Drone Inspections
La Habra	General WMP Plan and PSPS Protocols	6/30/2022	2022 Wildfire Mitigation Plan Briefing
La Habra	General WMP Plan and PSPS Protocols	3/16/2022	PSPS Public Safety Partner Portal
La Habra Heights	General WMP Plan and PSPS Protocols	6/21/2022	La Habra Heights - 2022 Local Reliability/WMP Briefing
La Puente	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Email Invite
La Verne	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Email Invite
La Verne	General WMP Plan and PSPS Protocols	5/10/2022	HFRA EOC Tour
Laguna Beach	General WMP Plan and PSPS Protocols	7/6/2022	WMP Briefing, Reliability Review
Laguna Beach	General WMP Plan and PSPS Protocols	2/7/2022	Proposal to ban mylar balloons as wildfire mitigation measure
Lake Elsinore	General WMP Plan and PSPS Protocols	5/9/2022	WMP Update Meeting - Elsinore
Lake Forest	General WMP Plan and PSPS Protocols	8/2/2022	Lake Forest National Night Out
Lake Forest	General WMP Plan and PSPS Protocols	6/10/2022	LF WMP & Reliability Briefing
Lake Forest	General WMP Plan and PSPS Protocols	2/24/2022	Lake Forest/OCFA/OCSD
Lancaster	General WMP Plan and PSPS Protocols	5/9/2022	Lancaster 2022 Reliability Outreach and Quarterly Coordination Meeting
Lindsay	General WMP Plan and PSPS Protocols	6/29/2022	2022 Reliability Outreach: City of Lindsay
Loma Linda	General WMP Plan and PSPS Protocols	6/14/2022	2022 WF/Reliability update for Loma Linda
Los Angeles County	General WMP Plan and PSPS Protocols	10/20/2022	Topanga Emergency Task Force Meeting
Los Angeles County	General WMP Plan and PSPS Protocols	6/21/2022	2022 Reliability Report - LA County Public Works
Los Angeles County	General WMP Plan and PSPS Protocols	6/2/2022	2022 Reliability Report - Supervisor Kuehl Staff
Los Angeles County	General WMP Plan and PSPS Protocols	5/26/2022	2022 Reliability Report - Supervisor Barger Staff
Los Angeles County	General WMP Plan and PSPS Protocols	5/17/2022	Altadena Wildfire Mitigation Presentation
Los Angeles County	General WMP Plan and PSPS Protocols	5/3/2022	Santa Monica Fire Safe Alliance Meeting
Los Angeles County	General WMP Plan and PSPS Protocols	4/20/2022	Topanga Emergency Management Task Force Meeting
Los Angeles County	General WMP Plan and PSPS Protocols	2/2/2022	Santa Monica Mountains Fire Safe Alliance
Los Angeles County	General WMP Plan and PSPS Protocols	1/19/2022	Topanga Emergency Management Task Force
Los Angeles County Business Federation (BizFed)	General WMP Plan and PSPS Protocols	3/1/2022	WMP Update to BizFed Energy & Environment Committee
Madera County	General WMP Plan and PSPS Protocols	6/2/2022	2022 Wildfire Safety Update: Madera County
Malibu	General WMP Plan and PSPS Protocols	7/6/2022	Wildfire-Reliablity Update
Malibu	General WMP Plan and PSPS Protocols	6/27/2022	Wildfire
Malibu	General WMP Plan and PSPS Protocols	6/15/2022	Malibu 2022 Wildfire Mitigation Update
Menifee	General WMP Plan and PSPS Protocols	5/31/2022	Menifee WMP Meeting
Mission Viejo	General WMP Plan and PSPS Protocols	7/1/2022	WMP Briefing Request Follow-Up
Mono County	General WMP Plan and PSPS Protocols	11/2/2022	June Lake Citizens Advisory Committee Meeting - Veg. Mgmt. & WMP
Mono County	General WMP Plan and PSPS Protocols	6/3/2022	2022 Wildfire Mitigation Outreach
Mono County	General WMP Plan and PSPS Protocols	9/7/2022	Mono County Unified Command - quarterly meeting - multiple agency/stakeholders
Mono County	General WMP Plan and PSPS Protocols	12/7/2022	Mono County Unified Command - quarterly meeting - multiple agency/stakeholders
Monrovia	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Presentation.

Name of County, City, or Tribal Agency or Civil Society Group (e.g., nongovernment organization, fire safe council)	Program, Plan, or Document	Last Version of Collaboration (Meeting Date)	Level of Collaboration (Subject)
Montclair	General WMP Plan and PSPS Protocols	6/30/2022	2022 WMP Briefing-Montclair
Moorpark	General WMP Plan and PSPS Protocols	7/6/2022	Wildfire
Moreno Valley	General WMP Plan and PSPS Protocols	8/25/2022	WMP Briefing City of Moreno Valley
Morongo Band of Mission Indians	General WMP Plan and PSPS Protocols	6/1/2022	2022 Tribal Nation PSPS Workshop
Morongo Band of Mission Indians	General WMP Plan and PSPS Protocols	5/24/2022	Circuit Reliability Report Meeting
Morongo Valley Community Services District & Fire Department	General WMP Plan and PSPS Protocols	6/15/2022	Morongo Valley CSD - Board Wildfire Briefing 6/15/2022
Morongo Valley Community Services District & Fire Department	General WMP Plan and PSPS Protocols	5/31/2022	Morongo Valley CSD Wildfire Briefing with Fire Chief and Staff 5/31/22 10 a.m.
Murrieta	General WMP Plan and PSPS Protocols	7/14/2022	WMP Update 2022
Newport Beach	General WMP Plan and PSPS Protocols	6/9/2022	Reliability Review & Wildfire Mitigation / PSPS Briefing
Newport Beach	General WMP Plan and PSPS Protocols	6/9/2022	WMP Briefing, Reliability Review
Norco	General WMP Plan and PSPS Protocols	7/1/2022	Emailed the WMP Briefing - Norco
Ojai	General WMP Plan and PSPS Protocols	6/24/2022	Completed City of Ojai Wildfire Mitigation & Reliability Update
Ontario	General WMP Plan and PSPS Protocols	6/30/2022	Wildfire Mitigation Meeting Req. City of Ontario
Ontario	General WMP Plan and PSPS Protocols	6/14/2022	2022 City of Ontario WMP & Circuit Reliability Briefing
Orange	General WMP Plan and PSPS Protocols	6/6/2022	2022 Wildfire Mitigation Plan Briefing
Orange	General WMP Plan and PSPS Protocols	4/27/2022	PSPS Partner Portal and Notifications
Orange	General WMP Plan and PSPS Protocols	6/6/2022	Maybury HOA Request for PSPS Meeting
Orange Chamber of Commerce	General WMP Plan and PSPS Protocols	4/26/2022	Represented SCE at Eggs & Issues Event
Orange County	General WMP Plan and PSPS Protocols	6/6/2022	Sup Wagner WMP Briefing
Palm Desert	General WMP Plan and PSPS Protocols	6/21/2022	2022 Circuit Reliability Report
Palm Springs	General WMP Plan and PSPS Protocols	7/7/2022	Palm Springs - WMP Engagement 2022
Palmdale	General WMP Plan and PSPS Protocols	5/16/2022	In-Person Coordination Meeting with City of Palmdale, Reliability Report Presented
Palos Verdes Estates	General WMP Plan and PSPS Protocols	6/29/2022	PVE_2022 Local Government Reliability Meeting/Update_Round 3 (City request names/addresses of residents who have had outages in 2022)
Palos Verdes Estates	General WMP Plan and PSPS Protocols	4/26/2022	PVE_2022 Local Government Reliability Meeting/Update_Round 2
Pechanga Band of Luiseno Indians	General WMP Plan and PSPS Protocols	5/19/2022	2022 Circuit Reliability Report sent to Pechanga.
Perris	General WMP Plan and PSPS Protocols	7/1/2022	Emailed WMP Briefing - Perris
Placentia	General WMP Plan and PSPS Protocols	6/13/2022	2022 Wildfire Mitigation Plan/PSPS Briefing
Placentia	General WMP Plan and PSPS Protocols	6/13/2022	Request for emergency response training for Placentia Fire & Police personnel
Pomona	General WMP Plan and PSPS Protocols	6/22/2022	Pomona: 2022 Circuit Reliability Presentation
Pomona	General WMP Plan and PSPS Protocols	5/10/2022	HFRA EOC Tour
Porterville	General WMP Plan and PSPS Protocols	6/7/2022	2022 Reliability Outreach: City of Porterville
Rancho Cucamonga	General WMP Plan and PSPS Protocols	6/14/2022	Rancho Cucamonga 2022 Circuit Reliability staff presentation
Rancho Palos Verdes	General WMP Plan and PSPS Protocols	8/16/2022	RPV_Appeal to DOI over insurance rate increase citing “RVP Has Not Experience a Major Wildfire in Over a Decade”
Rancho Palos Verdes	General WMP Plan and PSPS Protocols	7/21/2022	RPV_Jesse Villalpando’s (AGAIN) Emergency Preparedness Committee Meeting_City to implement a “Utilities hardening transmission project” to control SCE’s transmission projects
Rancho Palos Verdes	General WMP Plan and PSPS Protocols	7/19/2022	RPV_City plans to install Pano AI wildfire camera system on SCE power poles (ongoing issue)
Rancho Palos Verdes	General WMP Plan and PSPS Protocols	5/4/2022	RPV_2022 Local Government Reliability Meeting/Update

Name of County, City, or Tribal Agency or Civil Society Group (e.g., nongovernment organization, fire safe council)	Program, Plan, or Document	Last Version of Collaboration (Meeting Date)	Level of Collaboration (Subject)
Rancho Palos Verdes	General WMP Plan and PSPS Protocols	2/17/2022	RPV_Jesse Villalpando to abandon pursuing SCE for 1) City to decide SCE wildfire mitigation, 2) Force SCE to underground 1 mile per year
Rancho Palos Verdes	General WMP Plan and PSPS Protocols	2/1/2022	RPV_Council to discuss letter of support for AB 1445, which would require that evacuation route capacity, wildfire risk, and other impacts caused by climate change be considered when developing regional housing need allocations (RHNA)
Rancho Santa Margarita	General WMP Plan and PSPS Protocols	6/21/2022	RSM Wildfire Safety Meeting
Rancho Santa Margarita	General WMP Plan and PSPS Protocols	6/9/2022	RSM Reliability/WMP Briefing
Rancho Santa Margarita	General WMP Plan and PSPS Protocols	5/17/2022	RSM Chamber Roundtable Luncheon
Redlands	General WMP Plan and PSPS Protocols	6/15/2022	Redlands 2022 Circuit Reliability / Wildfire Update staff presentation
Redondo Beach	General WMP Plan and PSPS Protocols	6/9/2022	Redondo Beach - Wildfire Presentation
Rialto	General WMP Plan and PSPS Protocols	7/12/2022	WMP Update-City of Rialto 2022
Riverside	General WMP Plan and PSPS Protocols	6/14/2022	Riverside 2022 Circuit Reliability staff presentation
Rolling Hills	General WMP Plan and PSPS Protocols	5/23/2022	Rolling Hills_2022 Local Government Reliability Meeting/Update (City request SCE to answer reliability questions & install wildfire cameras)_Round 3
Rolling Hills	General WMP Plan and PSPS Protocols	5/9/2022	Rolling Hills_2022 Local Government Reliability Meeting/Update (Council to receive & file)_Round 2
Rolling Hills	General WMP Plan and PSPS Protocols	5/2/2022	Rolling Hills_2022 Local Government Reliability Meeting/Update_Round 1
Rolling Hills Estates	General WMP Plan and PSPS Protocols	5/24/2022	RHE_2022 Local Government Reliability Meeting/Update_Round 2
Rolling Hills Estates	General WMP Plan and PSPS Protocols	5/5/2022	RHE_2022 Local Government Reliability Meeting/Update
Rolling Hills Estates	General WMP Plan and PSPS Protocols	2/22/2022	RHE_City to submit application for the CA Climate Investment Fire Prevention Grant Program
Rural County Representatives of California (RCRC)	General WMP Plan and PSPS Protocols	9/14/2022	RCRC Annual Conference 2022 attended by GRMs Rossi, Thoburn, and Paruolo.
San Bernardino	General WMP Plan and PSPS Protocols	6/14/2022	San Bernardino 2022 Circuit Reliability staff presentation
San Bernardino County	General WMP Plan and PSPS Protocols	6/13/2022	Reliability and WMP briefing with County Public Works Scheduled. 6/13 @ 1:30p
San Bernardino County	General WMP Plan and PSPS Protocols	4/19/2022	San Bernardino County - OES PSPS Briefing
San Dimas	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Email Invite
San Dimas	General WMP Plan and PSPS Protocols	5/10/2022	HFRA EOC Tour
San Fernando	General WMP Plan and PSPS Protocols	5/4/2022	City of San Fernando Reliability Report Update Completed
San Gabriel	General WMP Plan and PSPS Protocols	5/10/2022	San Gabriel: April 2022 Confirmed PWD and Staff Attending 5/10 All Hazards-Focused EOC Tour
San Jacinto	General WMP Plan and PSPS Protocols	7/1/2022	Emailed WMP Briefing - San Jacinto
San Manuel Band of Serrano Mission Indians	General WMP Plan and PSPS Protocols	5/13/2022	2022 Circuit Reliability Report Meeting
San Manuel Band of Serrano Mission Indians	General WMP Plan and PSPS Protocols	5/6/2022	Completed 2022 Circuit Reliability and Wildfire Mitigation info with San Manuel
Santa Barbara County	General WMP Plan and PSPS Protocols	6/3/2022	2022 Wildfire Mitigation Outreach
Santa Clarita	General WMP Plan and PSPS Protocols	9/27/2022	Santa Clarita City Council Wildfire Mitigation Presentation
Santa Clarita	General WMP Plan and PSPS Protocols	8/2/2022	City Reschedules Resurfacing (again) for Expedited PSPS Circuit - Julius - Reducing Delays, Resulting in Cost Avoidance, and Improving Communications
Santa Clarita	General WMP Plan and PSPS Protocols	7/1/2022	Santa Clarita Agrees to Postpone Repaving, Expedite Permits for Marcus (PSPS) Circuit Wildfire Mitigation Project
Santa Clarita	General WMP Plan and PSPS Protocols	6/10/2022	Santa Clarita Wildfire Mitigation & Reliability Report Presentation - Completed
Santa Clarita	General WMP Plan and PSPS Protocols	3/4/2022	SCE Update on WFM Program and Infrastructure Funding to Santa Clarita Emergency Working Group
Santa Monica	General WMP Plan and PSPS Protocols	6/2/2022	Santa Monica - Wildfire and Reliability Presentation

Name of County, City, or Tribal Agency or Civil Society Group (e.g., nongovernment organization, fire safe council)	Program, Plan, or Document	Last Version of Collaboration (Meeting Date)	Level of Collaboration (Subject)
Santa Paula	General WMP Plan and PSPS Protocols	6/20/2022	Completed Wildfire Mitigation & Reliability Update for City of Santa Paula
Sierra Madre	General WMP Plan and PSPS Protocols	6/9/2022	Sierra Madre: City Manager & Public Works Director Attend 2022 SGV Virtual WMP Presentation
Sierra Madre	General WMP Plan and PSPS Protocols	5/2/2022	Sierra Madre FD Educational Presentation: WMP
Simi Valley	General WMP Plan and PSPS Protocols	6/20/2022	Wildfire
Soboba Band of Luiseño Indians	General WMP Plan and PSPS Protocols	5/19/2022	2022 Circuit Reliability Report sent
South Pasadena	General WMP Plan and PSPS Protocols	6/29/2022	South Pasadena: June 2022 Councilmember & Fire Chief To Attend 6/29 EOC Tour
South Pasadena	General WMP Plan and PSPS Protocols	6/9/2022	South Pasadena: Fire Chief Attends 2022 SGV Virtual WMP Presentation
South Pasadena	General WMP Plan and PSPS Protocols	5/10/2022	South Pasadena: April 2022 Confirmed Mayor Cacciotti Attending 5/10 All Hazards-Focused EOC Tour
South Pasadena Chamber of Commerce	General WMP Plan and PSPS Protocols	3/9/2022	South Pasadena: Mar 2022 Shared 2022 WMP Information with Chamber Legislative Affairs Committee
Southern California Edison (SCE)	General WMP Plan and PSPS Protocols	8/31/2022	2022 EOC Tour for Tribes in High Fire Risk Areas
Southern California Edison (SCE)	General WMP Plan and PSPS Protocols	6/9/2022	2022 SGV WMP Virtual Presentation
Southern California Edison (SCE)	General WMP Plan and PSPS Protocols	5/10/2022	May 10 EOC Tour
Tehachapi	General WMP Plan and PSPS Protocols	6/10/2022	2022 Wildfire Mitigation Outreach
Temecula	General WMP Plan and PSPS Protocols	5/17/2022	Temecula WMP Meeting - 2022
Thousand Oaks	General WMP Plan and PSPS Protocols	7/19/2022	Wildfire and Reliability Updates
Torrance	General WMP Plan and PSPS Protocols	5/3/2022	Torrance_2022 Local Government Reliability Meeting/Update
Tulare County	General WMP Plan and PSPS Protocols	6/8/2022	2022 Reliability Outreach: Tulare County
Tulare County	General WMP Plan and PSPS Protocols	6/2/2022	2022 Wildfire Safety Update: Tulare County
Tule River Tribe	General WMP Plan and PSPS Protocols	6/9/2022	2022 Wildfire Safety Update: Tule River Tribal Council
Tustin	General WMP Plan and PSPS Protocols	7/12/2022	2022 Wildfire Mitigation Plan Briefing
Twentynine Palms	General WMP Plan and PSPS Protocols	7/5/2022	29 Palms Reliability & WMP In Person Briefing 2022
Unincorporated Los Angeles County	General WMP Plan and PSPS Protocols	9/14/2022	Castaic Town Council Complaints About Wildfire Mitigation Road Closures in Val Verde
Upland	General WMP Plan and PSPS Protocols	6/30/2022	2022 Wildfire Mitigation Plan-Upland
Ventura County	General WMP Plan and PSPS Protocols	7/19/2022	Wildfire/Reliability 2022
Victorville	General WMP Plan and PSPS Protocols	6/27/2022	Victorville 2022 Circuit Reliability Report
Villa Park	General WMP Plan and PSPS Protocols	6/23/2022	2022 Wildfire Mitigation Plan Briefing
Visalia	General WMP Plan and PSPS Protocols	5/25/2022	2022 Reliability Outreach: City of Visalia
Walnut	General WMP Plan and PSPS Protocols	6/9/2022	2022 WMP/PSPS Email Invite
Walnut	General WMP Plan and PSPS Protocols	5/3/2022	HFRA EOC Tour
West Covina	General WMP Plan and PSPS Protocols	6/21/2022	West Covina: Circuit Reliability and WMP/PSPS Council Presentation
West Covina	General WMP Plan and PSPS Protocols	6/13/2022	West Covina 2022 Circuit Reliability staff presentation
West Covina	General WMP Plan and PSPS Protocols	5/25/2022	Wave 2 - West Covina Circuit Reliability Report
West Covina	General WMP Plan and PSPS Protocols	5/10/2022	HFRA EOC Tour
West Covina	General WMP Plan and PSPS Protocols	3/12/2022	West Covina 1st Annual Spring Festival
West Hollywood	General WMP Plan and PSPS Protocols	6/9/2022	West Hollywood - Wildfire Presentation
West Hollywood	General WMP Plan and PSPS Protocols	5/12/2022	West Hollywood - 2022 Reliability Outreach and Quarterly Coordination Meeting
Westlake Village	General WMP Plan and PSPS Protocols	7/22/2022	2022 Wildfire/Reliability Update
Whittier	General WMP Plan and PSPS Protocols	6/8/2022	Whittier - Local Reliability & WMP Briefing
Wildomar	General WMP Plan and PSPS Protocols	5/9/2022	WMP Update Meeting - Wildomar

Name of County, City, or Tribal Agency or Civil Society Group (e.g., nongovernment organization, fire safe council)	Program, Plan, or Document	Last Version of Collaboration (Meeting Date)	Level of Collaboration (Subject)
Woodlake	General WMP Plan and PSPS Protocols	6/29/2022	2022 Wildfire Safety Update: City of Woodlake
Yorba Linda	General WMP Plan and PSPS Protocols	6/29/2022	2022 Wildfire Mitigation Plan Briefing
Yorba Linda	General WMP Plan and PSPS Protocols	2/10/2022	EOC Tour
Yucaipa	General WMP Plan and PSPS Protocols	5/11/2022	WMP Update Briefing - City of Yucaipa
Yucca Valley	General WMP Plan and PSPS Protocols	6/7/2022	Yucca Valley - City Council/Staff Briefing Wildfire Mitigation Plan & Reliability 2022

F5: Continuation of Section 9 - PSPS

Due to its size, SCE provides Table 9-02 – Frequently De-energized Circuits below.

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
1	ED-00108	ACOSTA	10/26/2020	1272	788	Completed: • Automate 1 existing switch and • Implement operational protocol to raise PSPS windspeed thresholds
			11/26/2020		5	
			12/2/2020		5	
			10/10/2019		5	
			10/24/2019		1243	
			10/28/2019		1244	
			10/30/2019		1243	
2	ED-00452	AMETHYST	10/26/2020	1525	630	Completed: • Replace 1.4 miles of existing overhead wire with new insulated wire • Install an additional weather station to improve situational awareness
			11/26/2020		630	
			12/2/2020		629	
			12/7/2020		629	
4	ED-01344	ANTON	11/24/2022	300	51	Completed: • Replace 25.2 miles of existing overhead wire with new insulated wire • Install an additional weather station • Install 1 automated switch and implement additional segmentation • Implement operational protocol to raise PSPS windspeed thresholds
			11/25/2021		298	
			1/15/2021		139	
			1/17/2021		139	
			1/19/2021		277	
			9/9/2020		117	
			10/16/2020		47	
			10/26/2020		137	
			11/26/2020		117	
			12/2/2020		118	
			12/3/2020		152	
			12/7/2020		138	
			12/19/2020		139	
			12/23/2020		49	
			10/10/2019		49	
			10/24/2019		287	
			10/28/2019		341	
			10/30/2019		286	
			11/17/2019		49	
5	ED-00705	ARLENE	11/26/2020	1914	1668	Completed: • Replace all 7.12 miles of existing overhead wire with new insulated wire • Updated switching protocols
			12/3/2020		703	
			12/7/2020		703	
			12/23/2020		712	
6	ED-00817	ATENTO	10/26/2020	2883	901	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
			11/26/2020		2680	Completed: • New insulated wire has already been installed in various places on the circuit. • Plan involves replacing an additional 25.4 miles of bare overhead wire with new insulated wire, to fully cover the circuit outside of the operational protocol area. • Implement operational protocols to raise PSPS windspeed thresholds
			12/2/2020		801	
			12/23/2020		801	
7	ED-00990	BALCO	12/2/2020	1989	359	Completed: • Replace 2.6 miles of existing overhead wire with new insulated wire • Implement switching protocols to transfer load to a less affected circuit
			12/7/2020		359	
			12/23/2020		359	
			10/10/2019		2849	
			10/24/2019		1536	
			10/28/2019		1535	
			10/30/2019		1539	
8	ED-01630	BIG ROCK	1/14/2021	3171	119	Completed: • Replace 10.2 miles of existing overhead wire with new insulated wire • Install 2 automated switches • Install an additional weather station • Implement operational and switching protocols to transfer load to a less affected circuit
			1/15/2021		2473	
			1/19/2021		119	
			10/26/2020		2839	
			11/26/2020		2841	
			11/27/2020		86	
			12/2/2020		2841	
			12/3/2020		87	
			12/7/2020		2928	
			12/23/2020		119	
9	ED-01832	BLUE CUT	10/26/2020	292	300	Planned Work: • Replace 43.2 miles of existing overhead wire with new insulated wire
			11/26/2020		25	
			12/2/2020		25	
10	ED-01954	BOOTLEGGER	9/9/2020	1571	61	Completed: • Insulated Wires: Replace 27.8 miles of existing overhead wire with new insulated wire • Implement switching protocol to remove some customers and critical businesses from PSPS
			10/26/2020		1579	
			11/26/2020		1576	
			12/3/2020		1502	
			12/7/2020		62	
			12/23/2020		62	
11	ED-02035	BOUQUET	10/10/2019	747	91	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
			10/24/2019		734	Completed: • Replace 28.9 miles of existing overhead wire with new insulated wire • Add temporary generator to serve approx. 250 customers during a PSPS event with minimal outages
			10/30/2019		733	
12	ED-02674	CALGROVE	1/15/2021	1903	24	Under Engineering Review
			1/16/2021		24	
			1/19/2021		24	
13	ED-02751	CALSTATE	10/26/2020	606	605	Completed: • Replace 3.0 miles of existing overhead wire with new insulated wire
			11/27/2020		614	
			12/3/2020		616	
			12/8/2020		9	
			12/23/2020		10	
			10/10/2019		10	
			10/20/2019		10	
			10/28/2019		617	
			10/24/2019		10	
			10/30/2019		617	
14	ED-02790	CAMP BALDY	10/26/2020	0	154	Completed: • Install insulated wire
			11/26/2020		154	
			12/7/2020		152	
15	ED-03099	CASMALIA	10/10/2019	2111	665	Completed: • All existing overhead in HFRA was previously switched to the Impala 12kV
			10/24/2019		2023	
			10/28/2019		2021	
			10/30/2019		1988	
16	ED-04632	CASTRO	12/2/2020	2379	21	Completed: • Add a new switch to improve segmentation and reduce customer impacts
			12/7/2020		224	
			12/24/2020		20	
			10/10/2019		2379	
			10/23/2019		2395	
			10/28/2019		2298	
			10/30/2019		2291	
17	ED-03714	COBRA	12/2/2020	1712	1705	Completed: • Replace 0.2 miles of existing overhead wire with new insulated wire • Automate 2 existing switches • Install an additional weather station
			12/7/2020		1705	
			12/23/2020		1711	
18	ED-03885	CONDOR	11/27/2020	1463	1464	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
			12/2/2020		1466	Completed: • New insulated wire has already been installed on nearly all existing overhead portions of the circuit • Replace an additional 1.7 miles of existing overhead wire with new insulated wire near the substation
			12/7/2020		1466	
			12/8/2020		34	
			12/23/2020		1463	
			10/10/2019		1463	
			10/24/2019		1464	
			10/29/2019		1464	
19	ED-04495	CUDDEBACK	10/10/2019	338	325	Completed: • Replace 7.53 miles of existing overhead wire with new insulated wire
			10/24/2019		325	
			10/28/2019		326	
			10/30/2019		326	
20	ED-04526	CUTHBERT	11/21/2021	2397	1129	Completed: • Replace 0.8 miles of existing overhead wire with new insulated wire • Implement operational protocols to raise PSPS windspeed thresholds, and transfer load to a less affected circuit • Install 1 automated switch
			11/24/2021		2384	
			1/14/2021		2439	
			1/15/2021		498	
			1/19/2021		76	
21	ED-04706	DAVENPORT	10/26/2020	1454	762	Completed: • Replace 17.07 miles of existing overhead wire with new insulated wire
			11/26/2020		452	
			12/2/2020		765	
			12/7/2020		1468	
			10/10/2019		2678	
			10/24/2019		1393	
			10/30/2019		1461	
			10/28/2019		1458	
22	ED-04900	DE MILLE	10/26/2020	0	243	Completed: • Replace 6.0 miles of existing overhead wire with new insulated wire • Circuit will be cutover to Lopez 16kV which will have higher PSPS thresholds
			12/3/2020		243	
			12/7/2020		243	
23	ED-05376	DUKE	12/2/2020	1143	1140	Completed: • New insulated wire on most overhead portions of the circuit within HFRA • Replace 0.4 miles of remaining bare overhead wire within HFRA with new insulated wire
			12/3/2020		1118	
			12/7/2020		23	
			12/23/2020		23	
24	ED-05483	DYSART	12/2/2020	70	4	
			12/7/2020		75	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
			12/23/2020		75	Completed: • Replace 12.9 miles of overhead bare wire with new insulated wire
25	ED-05591	ECHO	10/26/2020	1761	117	Completed: • Replace 2.2 miles of existing overhead wire with new insulated wire
			12/7/2020		1775	
			12/18/2020		117	
26	ED-05930	ENERGY	11/19/2022	1667	29	Completed: • Replace 14.9 miles of existing overhead wire with new insulated wire • Install 3 automated switches and implement additional segmentation • Add temporary generator to serve approx. 120 customers during a PSPS event with minimal outages
			10/11/2021		37	
			10/15/2021		74	
			11/21/2021		37	
			11/24/2021		1702	
			1/14/2021		2495	
			1/18/2021		900	
			10/16/2020		37	
			10/26/2020		849	
			11/26/2020		1861	
			12/2/2020		2664	
			12/7/2020		1857	
			12/19/2020		870	
			12/23/2020		46	
			10/10/2019		625	
			10/24/2019		1809	
			10/30/2019		1811	
			10/28/2019		1808	
			11/25/2019		36	
27	ED-06065	ESTABAN	12/2/2020	2100	156	Completed: • Replace 13.8 miles of existing overhead wire with new insulated wire
			12/3/2020		93	
			12/7/2020		249	
			12/23/2020		312	
			10/10/2019		2128	
			10/24/2019		2133	
			10/30/2019		1628	
28	ED-06357	FERRARA	10/26/2020	1927	242	Planned Work: • Replace existing overhead wire with new insulated wire
			11/26/2020		242	
			12/7/2020		242	
29	ED-06432	FINGAL	12/2/2020	826	230	Completed: • Replace approximately 35.1 miles of existing overhead wire with new insulated wire
			12/7/2020		1426	
			12/23/2020		232	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
30	ED-04170	FROZEN	1/18/2021	0	1	Completed: • Replace < 0.1 miles of existing overhead wire with new insulated wire
			11/16/2020		1	
			12/2/2020		1	
			12/23/2020		1	
31	ED-07382	GNATCATCHER	11/27/2020	1474	1446	Completed: • New insulated wire has already been installed on nearly all existing overhead portions of the circuit • Replace an additional 3.53 miles of existing overhead wire with new insulated wire at various locations
			12/2/2020		1445	
			12/7/2020		1450	
			12/23/2020		1451	
			10/10/2019		1447	
			10/24/2019		1448	
			10/29/2019		1446	
32	ED-07742	GUITAR	10/26/2020	250	42	Completed: • Replaced 10.0 miles of existing overhead wire with new insulated wire
			11/27/2020		42	
			12/3/2020		42	
			12/23/2020		42	
			10/10/2019		197	
			10/24/2019		43	
			10/28/2019		255	
			10/30/2019		255	
33	ED-08446	HILLFIELD	10/26/2020	1980	2373	Completed: • Replace 3.6 miles of existing overhead wire with new insulated wire • Automate 3 switches • Update switching protocols • Implement operational protocol for portions of the circuit
			12/7/2020		2373	
			12/23/2020		2057	
34	ED-08795	HUCKLEBERRY	10/10/2019	181	4	Completed: • Replaced 17.8 miles of existing overhead wire with new insulated wire and Implement protocols to transfer load to a less affected circuit
			10/24/2019		173	
			10/27/2019		174	
			10/30/2019		174	
35	ED-08880	ICE HOUSE	10/26/2020	12	12	Planned Work: • Replace existing overhead wire with new insulated wire
			11/26/2020		12	
			12/7/2020		12	
36	ED-08904	IMPALA	11/21/2021	824	463	Completed: • Replace 25.8 miles of existing overhead wire with new insulated wire
			11/24/2021		463	
			11/25/2021		361	
			1/19/2021		776	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
			10/26/2020		751	• Existing overhead in HFRA will be fully covered with insulated wire
			11/27/2020		760	
			12/3/2020		764	
			12/7/2020		763	
37	ED-10705	LOPEZ	10/26/2020	1759	168	Completed: • Replace 22.4 miles of existing overhead wire with new insulated wire, and Install a new automated switch
			12/2/2020		49	
			12/3/2020		96	
			12/7/2020		145	
38	ED-10729	LOUCKS	9/9/2020	57	14	Completed: • Replace 3.2 miles of existing overhead wire with new insulated wire
			10/26/2020		55	
			11/26/2020		55	
			12/7/2020		55	
			10/10/2019		56	
			10/24/2019		56	
			10/30/2019		56	
			10/28/2019		52	
39	ED-11500	MCKEVETT	10/10/2019	297	289	Completed: • Implement operational protocol to raise PSPS windspeed thresholds
			10/23/2019		578	
			10/28/2019		289	
			10/30/2019		289	
40	ED-11760	METTLER	11/16/2020	517	8	Completed: • Replace 38.0 miles of existing overhead wire with new insulated wire
			12/2/2020		527	
			12/7/2020		527	
			10/10/2019		514	
			10/24/2019		514	
			10/28/2019		516	
			10/30/2019		516	
41	ED-12485	NAPOLEON	12/2/2020	2935	45	Completed: • Replace 5.8 miles of existing overhead wire with new insulated wire
			12/3/2020		1028	
			12/7/2020		45	
			12/8/2020		527	
			12/23/2020		45	
42	ED-12847	NORTHPARK	11/26/2020	2155	552	Completed: • Replace 18.6 miles of existing overhead wire with new insulated wire • Implement switching protocols to transfer load to a less affected circuit • Automate 2 existing sectionalizing devices
			12/2/2020		550	
			12/18/2020		1101	
			12/23/2020		623	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
43	ED-13983	PETIT	10/24/2019	1163	22	Completed: • Implement operational protocols to raise PSPS windspeed thresholds
			10/25/2019		11	
			10/28/2019		1076	
			10/29/2019		42	
			10/30/2019		1074	
			10/31/2019		42	
44	ED-14005	PHEASANT	12/2/2020	176	178	Completed: • Replace 9.3 miles of existing overhead wire with new insulated wire
			12/7/2020		178	
			12/23/2020		178	
45	ED-14603	RACER	12/3/2020	724	722	Completed: • Replace 0.6 miles of existing overhead wire with new insulated wire • Implement operational protocol for portions of the circuit
			12/7/2020		723	
			12/23/2020		723	
46	ED-14645	RAINBOW	12/2/2020	395	180	Completed: • Replace 15 miles of existing overhead wire with new insulated wire
			12/7/2020		180	
			12/23/2020		179	
			10/24/2019		19	
			10/28/2019		343	
			10/30/2019		399	
			10/31/2019		399	
47	ED-14758	RED BOX	1/19/2021	27	30	Completed: • Install an additional weather station • Adjustments to switching plans and weather station assignments in order to leverage better situational awareness and reduce PSPS use
			9/9/2020		20	
			10/26/2020		20	
			12/2/2020		30	
			12/7/2020		30	
			10/24/2019		29	
			10/30/2019		28	
			10/27/2019		29	
48	ED-15586	RUSTIC	10/26/2020	3098	367	Under Engineering Review
			11/26/2020		41	
			12/3/2020		41	
49	ED-15618	SADDLEBACK	12/2/2020	8	79	Planned Work: • Replace 4.8 miles of existing bare overhead wire with new insulated wire • Add new weather station near end of the circuit to improve situational awareness
			12/7/2020		8	
			12/23/2020		4	
50	ED-15737	SAND CANYON	9/30/2021	2176	9	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
			10/15/2021		9	Planned Work: • Replace 22.8 miles of existing overhead wire with new insulated wire • Update switching protocols • Implement operational protocol for portions of the circuit
			11/21/2021		9	
			11/24/2021		290	
			1/14/2021		9	
			1/18/2021		9	
			1/19/2021		697	
			9/9/2020		9	
			10/26/2020		144	
			11/17/2020		9	
			11/26/2020		142	
			12/2/2020		9	
			12/3/2020		133	
			12/7/2020		2200	
			12/18/2020		9	
			12/23/2020		61	
			10/10/2019		8	
			10/24/2019		2205	
			10/28/2019		2204	
			10/30/2019		987	
51	ED-16404	SHOVEL	9/9/2020	720	31	Completed: • Replace 30.5 miles of existing overhead wire with new insulated wire and Implement to transfer load to a less affected circuit
			10/26/2020		52	
			11/17/2020		165	
			11/26/2020		197	
			12/2/2020		525	
			12/7/2020		719	
			10/10/2019		775	
			10/20/2019		165	
			10/24/2019		416	
			10/26/2019		9	
			10/27/2019		9	
			10/29/2019		9	
			10/30/2019		770	
52	ED-16973	STEEL	10/15/2021	37	37	Completed: • Update switching protocols to reassign the boundary point between PSPS Segment 1 and Segment 2
			11/21/2021		37	
			11/25/2021		37	
			1/19/2021		37	
			12/2/2020		36	
			12/7/2020		36	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
			12/23/2020		2	
			10/10/2019		34	
			10/24/2019		35	
			10/28/2019		34	
			10/30/2019		34	
53	ED-17383	SUTT	10/26/2020	1877	1839	Planned Work: • Implement operational protocol for portions of the circuit
			12/7/2020		27	
			12/18/2020		81	
54	ED-17405	SWEETWATER	1/15/2021	3451	2533	Completed: • Replace 4.9 miles of existing overhead wire with new insulated wire
			1/19/2021		1266	
			1/20/2021		1265	
			10/26/2020		3432	
			12/23/2020		3431	
55	ED-17546	TAHQUITZ	10/10/2019	139	134	Completed: • Add new weather station near in the Mountain Center area to improve situational awareness
			10/24/2019		133	
			10/28/2019		133	
			10/30/2019		133	
56	ED-17529	TANAGER	11/27/2020	1652	1598	Completed: • Replace 28.6 miles of existing overhead wire with new insulated wire • Install 1 new automated switch
			12/2/2020		1597	
			12/7/2020		1597	
			10/10/2019		1532	
			10/24/2019		1541	
			10/30/2019		1543	
57	ED-17548	TAPO	10/26/2020	1377	57	Completed: • Replace 11.7 miles of existing overhead wire with new insulated wire • Implement operational protocol to raise PSPS windspeed thresholds
			11/26/2020		57	
			12/3/2020		518	
			12/7/2020		1370	
58	ED-18243	TUBA	10/24/2019	1173	25	Planned Work: • Add temporary generator to serve approx. 306 customers during a PSPS event with minimal outages • Other: Adjustments to switching plans and weather station assignments in order to leverage better situational awareness and reduce PSPS use
			10/30/2019		25	
			11/25/2019		25	
59	ED-18370	TWIN LAKES	10/26/2020	2296	840	

Entry #	Circuit ID	Name of Circuit with >2 Inc	Dates of Outages	Number of Customers Served by Circuit	Number of Customers Affected	Measures taken, or planned to be taken, to reduce the need for, and impact of, future PSPS of circuit
			11/26/2020		840	Completed: • Implement operational protocol to raise PSPS windspeed thresholds • Implement switching protocols to isolate overhead portions and transfer customers to adjacent circuits
			12/2/2020		840	
			12/7/2020		3644	
			12/23/2020		467	
60	ED-01754	VARGAS	10/26/2020	1649	391	Completed: • Replace 0.2 miles of existing overhead wire with new insulated wire • Install 1 new automated switch • Implement operational protocol to raise PSPS windspeed thresholds
			11/27/2020		391	
			12/3/2020		391	
			12/7/2020		394	
			12/23/2020		393	
61	ED-18650	VERA CRUZ	10/26/2020	1714	27	Completed: • Replace 3.2 miles of existing overhead wire with new insulated wire • Implement switching protocols to update boundary between PSPS segment 1 and segment 2
			12/2/2020		5	
			12/7/2020		5	
			12/23/2020		5	
62	ED-19850	ZONE	12/2/2020	944	56	Planned Work: • Replace 23.7 miles of existing overhead wire with new insulated wire • Implement operational protocols to raise PSPS windspeed thresholds near substation • Implement switching protocols to transfer load to a less affected circuit • Install an additional weather station
			12/3/2020		890	
			12/7/2020		946	
			10/10/2019		56	
			10/24/2019		1237	
			10/28/2019		1229	
			10/30/2019		1230	

F6: Acronym Dictionary

ACRONYM / ABBREVIATION	DEFINITION
AAR	After Action Report
AB	Assembly Bill
ACI	Area(s) of Continuous Improvement
AC-DC	Alternate Current – Direct Current
ACSR	Aluminum conductor steel-reinforced cable
ADMS	Advanced Distribution Management System
ADS	Atmospheric Data Solutions
AFN	Access and Functional Need(s)
AHP	All-Hazards Plan
AI	Artificial Intelligence
AMI	Advanced Metering Infrastructure
AOC	Areas of Concern
AR	Automatic Recloser
ARC	Annual Report of Compliance
ARGWT	Asset Risk Governance Working Team
ASC	Arc Suppression Coil
ASD	Audit Services Department
AUC	Area Under Curve
AWS	Amazon Web Services
BES	Bulk Electric System
BGEPA	Bald and Golden Eagle Protection Act
BLF	Branch Line Fuse
BLM	Bureau of Land Management
BR	Business Resiliency
BRDM	Business Resiliency Duty Manager
BTU	British Thermal Unit
C&Q	Compliance & Quality
CAIDI	Customer Average Interruption Duration Index
CAISO	California Independent System Operator
CAL OES	California Office of Emergency Services
Cal Poly SLO	California Polytechnic State University, San Luis Obispo
CALFIRE	California Department of Forestry and Fire Protection
CalPAWS	California Public Alert and Warning System
CAR	Community at Risk
CARE	California Alternate Rates for Energy
CAVA	Climate Adaptation and Vulnerability Assessment
CB	Circuit Breaker
CBM	Condition Based Maintenance

Acronym / Abbreviation	Definition
CBO	Community Based Organization
CBOLM	Circuit Breaker Online Monitoring
CC	Covered Conductor
CCBB	Critical Care Backup Battery
CCD	Compliance Clearance Distance
CCR	California Code of Regulations
CCV	Community Crew Vehicles
CDC	Centers for Disease Control
CDFW	California Department of Fish and Wildlife
CDP	Centralized Data Platform
CEE	Contact with Energized Equipment
CEFC	Community of Elevated Fire Concern
CEO	Chief Executive Officer
CEQA	California Environmental Quality Act
CFI	Critical Facility and Infrastructure
CFO	Contact from Foreign Object
CFOV	Contact from Object Vegetation
CFR	Code of Federal Regulation
CFSR	Climate Forecast System Reanalysis
cGIS	Comprehensive/Consolidated Geographical Information System
CI	Confidence Interval
CIP	Communication Infrastructure Provider
CL	Confidence Level
CLF	Current-Limiting Fuses
CMC	Crisis Management Council
CMI	Customer Minutes of Interruption
CMS	Consolidated Mobile Solution
ConOps	Concept of Operations
CPUC	California Public Utilities Commission or Commission
CRC	Community Resource Center
CSTI	California Specialized Training Institute
CT	Current Transformer
CUEA	California Utilities Emergency Association
CWA	Clean Water Act
DAP	Distribution Apparatus Construction Standards
DDAR	Disability Disaster and Access Resources
DDS	Distribution Design Standard
DER	Distributed Energy Resource
Det	Deteriorated

Acronym / Abbreviation	Definition
DFA	Distribution Fault Anticipation
DFR	Digital Fault Recorder
DIMP	Distribution Inspection Maintenance Program
DOH	Distribution Overhead
DOPD	Distribution Open Phase Detection
DRI	Drought Relief Initiative
DUG	Distribution Underground
DVMP	Distribution Vegetation Management Plan
DWR	Department of Water Resources
EAM	Enterprise Asset Management
ECERP	Electrical Corporation's Emergency Response Plan
ECMWF	European Centre for Medium-range Weather Forecasts
ECS	Electrical Construction Station
EDD	Early Damage Detection
EDSW	Electric Design Station Wiring
EDW	Enterprise Data Warehouse
EEI	Edison Electric Institute
EFD	Early Fault Detection
EFF	Equipment and Facility Failure
EMI	Emergency Management Institute
EMS	Emergency Management System
EOC	Emergency Operations Center
EOI	Enhanced Overhead Inspections
ERC	Energy Release Component
ERD	Entity Relationship Diagram
ERM	Enterprise Risk Management
ERP	Enterprise Resource Planning
ESA	Federal Endangered Species Act
ESA	Environmentally Sensitive Area
ESD	Environmental Services Department
ESRI	Environmental Systems Research Institute
EUCI	Electric Utility Consultants, inc.
FAA	Federal Aviation Administration
FC	Fast Curve
FCZ	Fire Climate Zone
FEMA	Federal Emergency Management Agency
FERA	Family Electric Rate Assistance
FIPA	Fire Investigation Preliminary Analysis
FL	Flame Length

ACRONYM / ABBREVIATION	DEFINITION
FLOC	Functional Location
FMEA	Failure Modes and Effects Analysis
FPI	Fire Potential Index
FR	Fire Resistant
FRAP	CalFire's Fire Resource Assessment Program
FRC	Fundamental Risk Component
FRP	Fire Resistant Pole
FTE	Full Time Employee
FWT	Fire Weather Threat
FWZ	Fire Weather Zone
GACC	Geographic Area Coordination Center
GCC	Grid Control Center
GCM	Global Climate Model
GCP	Google Cloud Platform
GESW	GE Smallworld
GFN	Ground Fault Neutralizer
GFS	Global Forecast System
GIS	Geographical Information System
GMS	Grid Management System
GO	General Order
GOOES	Geostationary Operational Environmental Satellite
GRC	General Rate Case
GRCD	Grid Resiliency Clearance Distance
GSRP	Grid Safety and Resiliency Program
HD	High Definition
HERMES	Hazard Event Restriction and Management Emergency System
HFRA	High Fire Risk Areas
HFRI	High Fire Risk Informed Inspection
HFTD	High Fire Threat District
Hi-Z	High Impedance Relay
HPCC	High Performance Computing Cluster
HSEEP	Homeland Security Exercise and Evaluation Program
HTMP	Hazard Tree Management Program
HWW	High Wind Warning
IBEW	International Brotherhood of Electrical Workers
IC	Incident Commander
ICS	Incident Command System/Structure
ID	Identification
IEEE	Institute of Electrical and Electronics Engineers

Acronym / Abbreviation	Definition
IMT	Incident Management Team
IOU	Investor-Owned Utility
iPEMS	Integrated PSPS Event Management System
IPI	Intrusive Pole Inspection
IQCC	Income Qualified Critical Care
IR	Infrared
IRC	Intermediate Risk Component
ISA	International Society of Arboriculture
IST	Incident Support Team
IT	Information Technology
IVM	Integrated Vegetation Management
IVMP	Integrated Vegetation Management Plan
IVR	Interactive Voice Response
IWMS	Integrated Wildfire Mitigation Strategy
IWRMC	International Wildfire Risk Management Consortium
KMZ	Keyhole Markup Language Zipped
kV	Kilovolt
LADRP	Los Angeles Department of Regional Planning
LEP	Limited English Proficiency
LFO	Live Field Observation
LiDAR	Light Detection and Ranging Technology
LOCA	Localized Constructed Analogs
LOPS	limited operating periods
LSA	Lake or Streambed Alteration
LSI	Long Span Initiative
MADEC	Meter Alarming for Downed Energy Conductor
MADIS	Meteorological Observation Database
MARS	Multi Attribute Risk Score (Framework)
MAVF	Multi-Attribute Value Function
MBL	Medical baseline
MBTA	Migratory Bird Treaty Act
MCL	Monitored Circuit List
MDG	Master Data Governance
MIM	Maintenance and Inspection Manual
ML	Machine Learning
MMPA	Marine Mammal Protection Act
MOA	Memorandum of Agreement
MPFR	Material Performance Failure Report
MSUP	Forest Service Master Special Use Permit

Acronym / Abbreviation	Definition
MYNN	Mellor-Yamada-Nakanishi-Niino
NAICS	North American Industry Classification System
NAM	North American Mesoscale Model
NARR	North American Regional Reanalysis
NASA	National Aeronautics and Space Administration
NATF	North American Transmission Forum
NCEP	National Center for Environmental Prediction
NDVI	Normalized Difference Vegetation Index
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Corporation
NHPA	National Historic Preservation Act
NIMS	National Incident Management System
NOAA	National Oceanic and Atmospheric Administration
NOD	Notice of Defect
NOV	Notice of Violation
NRCI	Non-Residential Critical Infrastructure
NRE	National Response Event
NRI	National Risk Index
NWS	National Weather Service
OCBA	Oil Circuit Breaker Analysis
OCM	Organizational Change Management
OCM	Overhead Circuit Mile
OCP	Overhead Conductor Program
ODI	Overhead Detail Inspection
ODRM	Outage Database and Reliability Metrics
ODRM	Outage Database Reporting Management System
ODS	Operation GIS Data Store
OEIS	Office of Energy Infrastructure and Safety
OH	Overhead
OII	Order Instituting Investigation
OIR	Order Instituting Rulemaking
OJT	On Job Training
OMS	Outage Management System
OPD	Open Phase Detection
ORCP	Overhead Re-conductor Program
OU	Organizational Unit
OWS	Open Wire Secondary
PAPR	Powered air-purifying respirators
PCB	Polychlorinated Biphenyl

Acronym / Abbreviation	Definition
PERP	Portable Equipment Registration Program and Portable Engine Airborne Toxic Control Measure
PFM	Petition for Modification
PG&E	Pacific Gas and Electric Company
PIO	Public Information Officer
PLP	Pole Loading Program
PMA	Predictive Maintenance Assessment
POC	Period of Concern
POD	Probability of De-energization
POI	Probability of ignition
PQS	Personnel Qualification Standard
PRC	Public Resources Code
PRPA	Paleontological Resources Preservation Act
PS	Problem Statement Score
PSCAD	Power System Computer-Aided Design
PSPS	Public Safety Power Shut Off
PT	Potential Transformer
PWV	Post-work verification
QA	Quality Assurance
QC	Quality Control
QDR	Quarterly Data Report (Request)
QEW	Qualified Electrical Worker
QRF	Quick Reaction Force
RAMP	Risk Assessment Mitigation Phase
RAR	Remote-Controlled Automatic Reclosers
RCD	Regulation Clearance Distance
RCP	Representative Concentration Pathway
RCS	Remote Controlled Switch(es)
REFCL	Rapid Earth Fault Current Limiter
REST	Representational State Transfer
RFW	Red Flag Warning
RMAG	Regional Mutual Assistance Group
ROC	Receiver Operating Characteristic
ROS	Rate of Spread
ROW	Right-of-Way
RSE	Risk Spend Efficiency
RSR	Remote Sectionalizing Recloser
RTDS	Real Time Digital Simulation
RTTMG	Rapid radiative transfer model

Acronym / Abbreviation	Definition
SA	Weather Station
SAD	Solution Architecture Document
SAP	Systems, Applications & Products
SC&M	Substation Construction & Maintenance
SCADA	Supervisory Control and Data Acquisition
SCE	Southern California Edison Company
SDG&E	San Diego Gas & Electric Company
SED	Safety Enforcement Division
SEMS	Standardized Emergency Management System
SERP	Substation Equipment Replacement Program
SJSU	San Jose State University
S-MAP	Safety Model and Assessment Proceedings
SME	Subject Matter Expert
SMS	Short Message Service
SOB	Standard/System Operating Bulletin
SOM	Substation Operations and Maintenance Policy and Procedures
SOMS	Self-Organizing Maps
SOP	Standard Operating Procedure
SOW	Statement of Work
SOX	Sarbanes-Oxley Act
SRA	Severe Risk Area
SSP	Senior Specialist
SVI	Social Vulnerability Index
T&D	SCE's Transmission and Distribution Business Unit
T&E	Time & Expense
TBD	To be determined
TCCI	Tree-Caused Circuit Interruption
TGR	Tree Growth Regulator
TIMP	Transmission Inspection and Maintenance Program
TOH	Transmission Overhead
TOPD	Transmission Open Phase Detection
TPD	Time Past Due
TRAQ	Tree Risk Assessment Qualification
TRC	Tree Risk Calculator
TRI	Tree Risk Index
TS	Technosylva
TSP	Tubular Steel Pole
TT	Thunderstorm Threat
TUG	Targeted Undergrounding

Acronym / Abbreviation	Definition
TV	Television
TVM	Transmission Vegetation Management
TVMP	Transmission Vegetation Management Plan
UAS	Unmanned Aerial Systems
UAT	User Acceptance Testing
UCSB	University of California, Santa Barbara
UCSD	University of California, San Diego
UDDR	Universal Data Descriptor Repository
USDA	United States Department of Agriculture
USFS	United States Forest Service
USZ	Utility Strike Zone
UV	Ultraviolet
UVM	Utility Vegetation Management
Veg	Vegetation
VCFD	Ventura County Fire Department
VHFSZ	Very High Fire Hazard Severity Zone
VM	Vegetation Management
VoLL	Value of Lost Load
WAF	Wind Adjustment Factor
WAL	Weather-Resistant Aluminum
WCAG	Web Content Accessibility Guidelines
WCCP	Wildfire Covered Conductor Program
WDD	Wire Down Database
WDM	Weather Data Mart
WECC	Western Electricity Coordination Council
WEI	Western Electric Institute
WF	Wildfire
WIRC	Wildfire Interdisciplinary Research Center
WisDM	Wildfire Safety Data Mart and Data Management (Portal)
WMP	Wildfire Mitigation Plan
WRF	Weather Research and Forecast(ing)
WRM	Wildlife Risk Model
WRMAG	Western Regional Mutual Assistance Group
WSD	Wildfire Safety Division
WUI	Wildland Urban Interface
WUIx	Wildland Urban Interface intermix
WWZ	Wind Weather Zone

F7: Joint IOU Covered Conductor Working Report

2023 -2025 WMP
Joint IOU Covered Conductor Working Group Report

Introduction:
In the 2021 WMP Update Final Action Statements, Energy Safety ordered the Joint IOUs[314] to coordinate to develop a consistent approach to evaluating the long-term risk reduction and cost-effectiveness of covered conductor (CC) deployment, including 1) the effectiveness of CC in the field in comparison to alternative initiatives and 2) how CC installation compares to other initiatives in its potential to reduce PSPS risk. The utilities thus formed a Joint IOU Covered Conductor Working Group and developed an approach, assumptions, and preliminary milestones to enable the utilities' to better discern the long-term risk reduction effectiveness of CC to reduce the probability of ignition, assess its effectiveness compared to alternative initiatives, and assess its potential to reduce PSPS risk in comparison to other initiatives. The approach consisted of multiple workstreams including: Benchmarking, Testing, Estimated Effectiveness, Recorded Effectiveness, Alternatives Comparison, Potential to Reduce PSPS Risk, and Costs. In the 2022 WMP Update filings, the utilities produced a joint report that provided an update on their progress for each of the workstreams, added efforts, and preliminary plans for 2023.

In the 2022 WMP Update Final Decisions, Energy Safety identified Areas of Continued Improvement and Required Progress (ACI) for all utilities to expand this working group to include: 1) Joint CC Lessons Learned, 2) CC Maintenance and Inspection (M&I) Practices, and 3) New Technologies Implementation. Given these directions, the utilities expanded the Joint IOU Covered Conductor Working Group to include 10 workstreams and began meeting on the new workstreams in Q3/Q4 2022.

Overview:
The information compiled and assessments completed in 2022 continue to indicate CC effectiveness between approximately 60 to 90 percent in reducing the drivers of wildfire risk, consistent with benchmarking, testing and utility estimates. In 2022, laboratory testing on CC has largely been completed with a few tests remaining.

In 2023, the utilities plan to conduct workshops across several workstreams to assess testing results, identify CC M&I best practices, develop a common framework for calculating the effectiveness of a combination of alternatives, assess data and information for effectiveness of new technologies and share practices and implementation strategies, and assess studies to be performed on CC's ability to reduce PSPS impacts amongst other actions. The utilities will also continue to meet to further benchmark efforts, improve methods for estimating and measuring effectiveness, and continue to track and compare unit costs. Below, the utilities describe the progress made on each workstream and steps planned to continue this effort in 2023.

As explained in the 2022 WMP Update report, the current type of CC being installed in each of the utilities' service areas is an extruded multi-layer design of protective high-density or cross-linked polyethylene material. In this report, "covered conductor" or "CC" refers generally to a system installed

[314] In this progress report, "Joint IOUs," "IOUs," or "utilities" refers to SDG&E, PG&E, SCE, PacifiCorp, BVES, and Liberty.

on cross-arms, in a spacer cable configuration, or as aerial bundled cable (ABC). Distinctions are made

where utilities install CC on cross arms and in a spacer cable configuration. Table CC-1, below, provides an updated snapshot of the approximate amount and types of CC installed in the utilities' service areas through 2022.

Table CC-1
Covered Conductor Type and Approximate Circuit Miles Deployed by Utility

Utility	First covered conductor installation (year)	Type of covered conductor installed	Approx. miles of covered conductor deployed through 2022	Notes
SCE	2018	Covered Conductor	4,400	Includes WCCP and Non-WCCP
	2022	Spacer Cable	0.15	Pilot
	Installed Historically	Tree Wire	50	
	Installed Historically	ABC	64	
PG&E	2018	Covered Conductor	960	Primary distribution overhead only
	2022	ABC	3	Like for like replacement
SDG&E	2020	Covered Conductor	84	
		Tree Wire	2	
		Spacer Cable	6	
Liberty	2019	Covered Conductor	11	
	2019	Spacer Cable	9	
Pacificorp	2007	Spacer Cable	76	
	2022	Covered Conductor	7	
Bear Valley	2018	Covered Conductor	34	

Testing:

Introduction:

In 2022, the joint IOUs performed Phase 2, or testing of CC, to better understand the advantages, operative failure modes, and current state of knowledge regarding CCs. As explained in the utilities' 2022 WMP Update filings, the utilities contracted with Exponent, Inc. (Exponent) to develop a report for a Phase 1 study. The Phase 1 study consisted of a literature review, discussions with SMEs, a failure mode identification workshop, and a gap analysis comparing expected failure modes to currently available test and field data. The Phase 1 report was completed in December 2021 and was an attachment to the utilities' 2022 WMP Update filings. The outcome of the Phase 1 report identified gaps in previous testing and informed the scope of laboratory testing. For the remainder of 2022, the IOUs executed Phase 2 to perform testing and analyses of CC, which had the following objectives:

Within Phase 2 of the study, SCE, SDG&E, and PG&E all performed specific testing scopes of work, informed by the findings and recommendations of the Phase 1 report issued by Exponent. The three utilities, led by SCE, contracted with Exponent to independently investigate the effectiveness of CC for overhead distribution systems and, in the case of PG&E and SDG&E, executed additional testing plans as

part of this joint effort.[315] Exponent conducted several testing scenarios that covered various contact-from-object, wire down, system strength, flammability, and water ingress scenarios. PG&E developed an additional test plan to ensure coverage of failure modes and additional CC types. SDG&E's additional test plan included environmental, service life, UV exposure, degradation, and mechanical strength tests. Exponent's investigation included lab-based testing of 15 kV rated 1/0 aluminum conductor, steel reinforced (ACSR) CC provided by SDG&E, 17 kV and 35 kV rated 1/0 ACSR provided by SCE, 22 kV rated 397.5 kcmil all aluminum conductor (AAC) provided by PG&E, and 17 kV rated 2/0 copper CC provided by SCE (corrosion testing only). PG&E's additional testing included 15 kV rated 397.5 AAC and 15 kV rated 1/0 ACSR. SDG&E's additional testing included a 15 kV rated 1/0 ACSR conductor.

SCE's testing began in Q1 2022 and was completed in Q4 2022. Exponent completed its final report in late December 2022.[316] SDG&E and PG&E began testing in Q2 2022. PG&E completed its testing and finalized its report in December 2022.[317] SDG&E has not completed all its testing with some tests anticipated to be competed in Q1 and early Q2 2023. All testing is not yet complete; however, the utilities have recently started to collaborate on the results of the tests that have been completed. This report provides a summary of the test results that have been completed. In 2023, the utilities plan to continue discussing the results of the tests as further described below.

Based on all the testing completed as of the end of December 2022, the following high-level conclusions were made:[318]

Summary of Testing Results:

Arc Testing

The purpose of the Arc testing was to understand the effectiveness of CC in mitigating faults and ignition for various contact-from-object scenarios. These tests involved simulating wire-to-wire contact and contact from foreign objects by bridging two conductors, one energized and one grounded. Several permutations of CC, sheath damage, and bare conductors were tested. Overall, CC was successful at mitigating arcing/ignition under all tested conditions at their design voltages. Current flows for CC were recorded to be less than 2.5 mA. In comparison, current flows for bare wire were recorded to be greater than 2,000 mA. For a five-minute contact duration, no arcing, insulation breakdown, or visual damage was observed.

The testing of phase-to-phase contact demonstrates that CC is effective at reducing arcing and the potential for ignitions whenever the insulation is intact, and the operating voltage is within normal ranges. Potential for ignition exists when the insulation is damaged/removed which may occur when objects collide with the CC. This testing also involved energizing the CC at extreme voltages much higher

[315]To distinguish between the results described below, "SCE testing" refers to the joint IOU Exponent testing, "PG&E testing" refers to the testing PG&E conducted, and "SDG&E testing" refers to the testing SDG&E has completed and is still conducting for the Joint IOU effort.

[316] The joint IOU Exponent report entitled, "Joint-IOU Covered Conductor Testing Cumulative Report 12-22-22" is included in each utility's Supporting Documents.

[317] The PG&E report entitled, "PGE Covered Conductor Testing-1219" is included in each utility's Supporting Documents.

[318]All tests were performed under controlled conditions. Actual field performance may vary depending on a variety of factors.

than the CC was designed to withstand. At 90 kV, which far exceeds the conductor ratings, there was no insulation breakdown, pinhole formation, or arcing/ignition observed.

These test results illustrate the effectiveness of CC at mitigating ignitions due to contact-from-object events. Future testing may be done to simulate branches or other debris striking the conductor at speed to determine the ability of the insulation to withstand impact. Future testing may also include simulating the effects of long-term object contact.

Simulated Wire-down Testing

The wire-down testing investigated ignition risk posed by CC and bare wire wire-down events. Flaws were introduced to the covering to represent various scenarios during a CC wire-down. These flaws included the full removal of the covering, removing half the thickness of the covering, and having a broken end. The SCE wire-down testing demonstrated that conductors whose covering was still intact upon contacting the dry brush did not result in an ignition. Upon introducing a full thickness flaw into the covering, which exposed the bare conductor, arcing and ignition were observed. PG&E testing showed that Individual conductor strands can be exposed from the covering during simulated conductor breaks.

SCE testing was also performed by inserting a half-thickness flaw into the covering which did not result in arcing or ignition; this indicates that the CC can sustain significant damage without exposing the bare conductor and still be effective at mitigating ignitions. This conclusion is also corroborated through testing that showed that the CCs had a minimum of 66% of the insulation rating even with 50% abraded insulation.

Fire risk / Flammability Testing

SCE's Fire Risk testing subjected a small segment of conductor to local radiant heat to simulate how CCs would react to various magnitudes of wildfires. The magnitude of the heat represents surface fires, brush fires, and crown fires. Crown fires with a long residence time have the highest potential to cause damage to the covering of the conductor. The study noted that the measurements were taken with direct contact of the flame; however, properly maintained vegetation clearances would decrease an overhead primary distribution line's potential of being in contact with a flame. According to the inverse square law for heat, the intensity of the flame is inversely proportional to the distance squared X=1/d^2. Using this equation, we can approximate the amount of radiated heat the conductor might experience at a particular distance away from a flame. The shortest distance that should be expected between vegetation and the conductor would be when there are crowns of trees nearby (6-foot clearance, GO 95). There would be a significantly greater distance between the conductor and vegetation for surface and brush fires. At 6 feet, the heat flux is approximately 30% of what would be felt directly at the flame. At a distance of 6 feet (1.8288m) and utilizing the scenario-based heat fluxes provided, we can approximate the amount of heat the conductor would encounter. See Table CC-2 below that shows the heat flux ranges for direct contact and contact at six feet for the different fire types.

Table CC-2

Heat Flux Ranges by Fire Type

Fire Type	Heat Flux (kW/m^2) Range with Direct Contact	Heat Flux (kW/m^2) Range with Contact at 6 feet (1.8288m)

Surface fires	18	77	5	23
Brush fires	97	110	29	33
Crown fires	179	263	54	79

Corrosion Testing

To make electrical and structural connections, some utilities remove the covering of the conductor to expose bare wire. When a bare wire is exposed to the elements, it becomes more susceptible to various types of corrosion. This was a common failure mode that was identified when benchmarking with other utilities. To mitigate this failure mode, some utilities use medium voltage fusion tape (MVFT) on electrical connections to the line. SDG&E utilizes Insulated Piercing Connectors (IPCs) to make electrical connections and a tensioning clamp for structural connections. Water ingress testing was performed by both SCE and PG&E to evaluate the corrosion susceptibility for instances when the covering is removed. SCE varied the test by utilizing a tool specifically designed to remove the covering to expose a length of bare conductor and removing the covering manually without unique tools; they also varied the conductor material to include copper and aluminum. The conductor was then placed vertically with a dedicated reservoir of fluorescent water at the top to simulate moisture intrusion. In all the tests, water was visible at the opposite end of the conductor segment within 5-10 minutes. PG&E's version of the testing was varied to test various types of CC with and without water-blocking agents. PG&E's test was also slightly different because a length of exposed conductor was not left at the top, but rather a clean cut was made on each of the conductors. For the conductors without water-blocking agents, fluorescent water was observed at the opposite ends of the conductor while there was no liquid observed for the conductors with water-blocking.

Although the water ingress testing setup, conducted in a submersible configuration, is not likely to occur in the field, water ingress can lead to accelerated corrosion. Additional preventative actions taken during installation and/or maintenance, such as the use of IPCs, tension clamps, gel wraps/packs, wildlife covers, or MVFT, may help limit moisture ingress and related corrosion effects. For example, PG&E's water immersion test of gel wraps demonstrates this mitigation's ability to prevent water intrusion for splice and other electrical connections. Additionally, corrosion can potentially be mitigated with the use of copper CCs due to copper being less susceptible to corrosion than aluminum in high corrosive areas.

Salt spray testing was performed by SCE to evaluate the susceptibility of exposed ends of CC to corrosion in coastal and industrial environments. This testing utilized a 5% salt solution for 168 hours with a SO2 solution introduced intermittently. The testing varied like the water intrusion testing, but also added artificial defects to simulate mid-span damage and performed the testing on bare conductors as well. Corrosion was identified on the exposed portion of the CC as well as under the covering. When a conductor had simulated damage, the most severe corrosion occurred. Exponent did identify that a segment of CC was evaluated which utilized an IPC; however, this did not demonstrate corrosion.

PG&E's atmospheric corrosion tests consisted of 1,000 hours of exposure using a 5% salt solution. This test evaluated bare conductor, CC, and splice connections with MVFT or gel packs. PG&E summarized that aluminum CCs are more susceptible to corrosion compared to bare conductor when exposed to a corrosive environment. This ingress is reduced with the application of MVFT and altogether eliminated

with the use of gel packs. It is also important to note that all conductors met the rated breaking strength after the testing was completed.

Aging Susceptibility Testing

PG&E performed UV weathering tests with 1,000 hours of exposure time (ASTM G155-21). Two types of CCs were tested and neither met the tensile or elongation requirements of ANSI/ICEA S-121-733 to be considered resistant to sunlight. The results indicate that the covering is susceptible to degradation and cracking after long-term exposure to UV for the conductors tested.

Exponent, with SDG&E, performed accelerated aging testing by monitoring a segment of the cover at 10% thickness. It is assumed that the rate of change that is observed with a segment at 10% thickness can be used to anticipate the amount of deterioration over 40 years. Three tests were performed at 80C, 110C, and 130C; one test was performed at 80C with 1.60W/m^2 at 340nm UV. The UV data would then be interpolated with the results of the 110C and 130C samples to test the properties of interest; those include dielectric constant, mechanical strength, chemical changes, and visual changes. The results of this test also indicate that the covering is susceptible to degradation and cracking after long-term exposure to UV.

System Strength Testing

After the salt-spray corrosion testing, Exponent evaluated the tensile testing strength of the various aluminum, copper, and steel strand samples. The results from the individual strands can be used to assess the condition of the whole conductor. They showed that even though the aluminum strands underwent corrosion due to the accelerated aging, there was not a significant loss of strength in the conductor overall. For conductors with IPCs installed, there was a measurable decrease in tensile strength of the conductor strands related to the damage caused by the IPC, the degradation was not due to corrosion. Other utilities that utilize IPC's to make electrical connections have not identified this to be a concern.

PG&E evaluated the tensile strength of the conductors to confirm that they met the rated breaking strength and to evaluate how the conductor and cover would react. Both conductors tested exceeded the rated breaking strength. At the point of fracture, necking occurred but was more significant for the covering than the aluminum and steel wires. Small segments of exposed conductor could be seen protruding from the covering. Because of this, breaks in the conductor could result in phase-to-ground contact, which could lead to an ignition.

SCE's system strength tests included a splice maximum load test, insulator slip test, and a tree fall test. For the splice max load test, all spices met or exceeded specifications. For the insulator slip test and tree fall test, two different types of insulators were used. One experienced deformation of the metal pin while the other showed signs of slippage with no apparent damage. For a simulated tree fall on a dead-end configuration, a failure occurred with smaller sized conductor due to it slipping out of the dead-end shoe. It was noted that the failure likely occurred above the rated strength of the conductor. For larger conductors, the failure point was at the crossarm.

Electrical Properties Testing

PG&E performed leakage current and dielectric withstand tests on the covering and various splice coverings. For the covering tests, two different types and sizes of conductor were used, both with full cover thickness and 50% cover thickness to simulate a flaw. In all the covering test cases, the insulation failed at a voltage level that greatly exceeded its rated value. The splice covers tests consisted of a

compression splice with gel pack, compression splice with MVFT, and a fired wedge connector with a cover. In all cases the splice coverings met or exceeded the ratings of the CC insulation rating.

To understand if CC could be susceptible to tracking damage, inclined plane tracking and erosion tests and tracking resistance with salt fog tests were performed. For the inclined plane and erosion tests, both conductor samples passed; however, one of the conductors showed a greater erosion depth. The tracking resistance with salt fog tests were designed to understand the impacts of long-term vegetation contact. Again, for these tests, both conductors met the passing criteria but, again, the same conductor showed a greater erosion depth.

PG&E tested the damaging effects that lightning might have on the covering. This was a custom test with guidance from IEEE Std. 4 and IEC 60060-1. The conductor samples were subjected to lightning impulses starting at 85 kV and then increased in the magnitude of the voltage until a breakdown occurred. Both of the conductor samples tested experienced breakdowns between 90-110 kV for each of the 5 samples. The conclusion of the lightning tests is that both coverings have the potential to be damaged by lightning; however, damage is expected to be localized and would be unlikely to cause auto-ignition of the covering.

Covering Properties Testing

The thermal properties of conductor layers were tested by PG&E to verify the glass transition temperatures for each layer of two different conductors. One of the conductors exhibited an onset of glass transition in the conductor shield layer at a lower than emergency temperature rating which could indicate possible early covering degradation if exposed to emergency temperatures repeatedly. The other conductor showed no signs of degradation up to the emergency operating temperatures.

Next Steps:

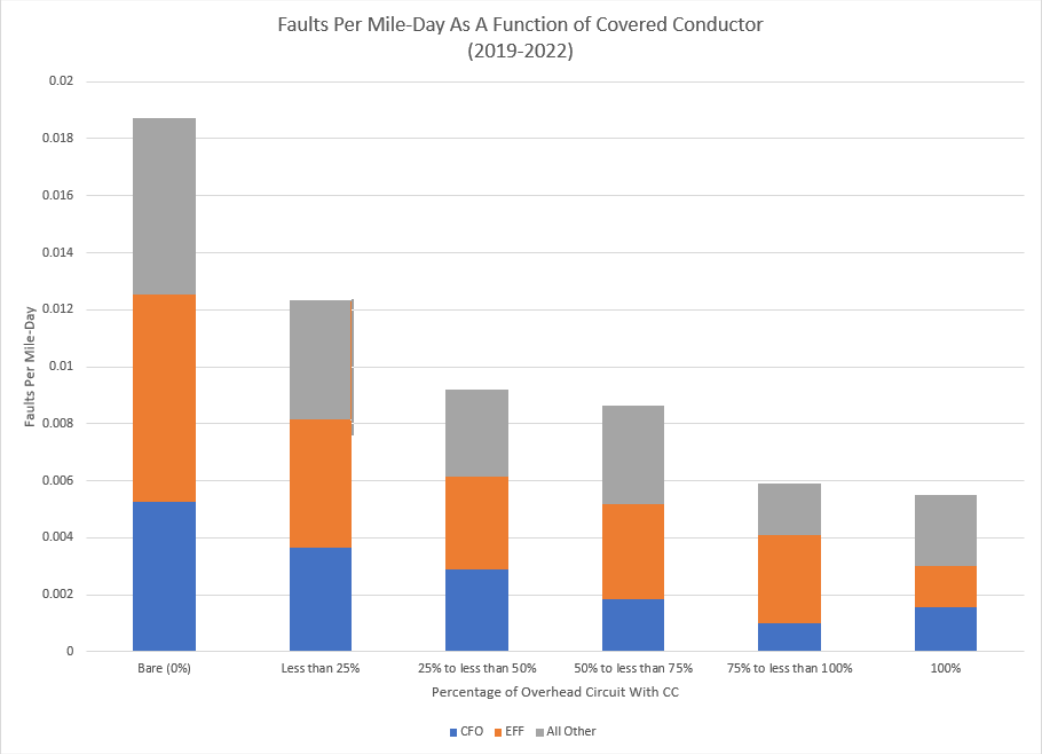
As explained above, several testing results were completed in December 2022 with a few still remaining. The utilities have met to overview the results of some completed tests but have not yet discussed all results nor in detail yet. In 2023, the utilities will conduct meetings and workshops to assess the testing results, determine if any additional tests are needed, determine if any mitigations are warranted (such as changes to materials, construction methods, or inspection practices), and will meet to assess whether changes to effectiveness estimates are warranted. Additionally, and as part of the workshops, the utilities will discuss the testing results in relation to PSPS de-energization thresholds. Below, we present a preliminary schedule for workshops and discussion themes.

Once the utilities finalize the workshop schedule, Energy Safety will be invited. Based on findings from the workshops, additional workshops may be scheduled in 2023. Additionally, the utilities will continue to meet on a biweekly basis. Should the results of the workshops lead to changes in materials, construction practices, effectiveness values, etc., the utilities will establish plans to implement these changes and document as part of lessons learned.

Recorded Effectiveness:
As explained throughout this report, the utilities have continued to implement CC and are using recorded data to help assess its effectiveness in the field. Though the utilities' data is still relatively limited, the outcomes in 2022 in addition to previous years outcomes, as presented below, continue to show CC effectiveness at reducing the risk drivers that can lead to wildfires range between approximately 60 to 90 percent, which is consistent with the utilities' estimated effectiveness values and supported by recent testing results. Below, the utilities provide an update on its 2022 WMP Update report describing data and analyses used to measure recorded effectiveness of CC and plans for 2023 to continue to discuss and share recorded data and methods to measure effectiveness, and document lessons learned.

Covered Conductor Recorded Effectiveness:
SCE
SCE has continued to refine its data and methods to measure the effectiveness of CC in the field. In 2022, SCE set up a CC dashboard that tracks fault rates on overhead distribution circuits with 100% CC installed, circuits that are partially covered, and circuits with no CC installed (bare wire). The data can be broken down by fault sub-drivers such as CFO, EFF, and Other. The data is based on all circuits that traverse HFTD and includes a breakdown of how many miles fall into the fully covered, partially covered, and not covered categories. The dashboard refreshes daily with updated fault and CC data. Because faults that occur on partially covered circuits are difficult to determine if occurred on the covered or bare portion, SCE has further delineated this data into the following partially covered groups: Less than 25%, 25% to 49%, 50% to 74%, 75% to less than 100%. Furthermore, SCE is now using a faults per mile-day method that factors in how long the circuit was fully or partially covered. In 2022, SCE provided overviews of its dashboard, grouping and methods to this working group. Faults per mile-day data from 2019-2022 are shown in Figure CC-1 below.

Figure CC-1
SCE Faults Per Mile-Day as a Function of Covered Conductor



By comparing fault events on fully and partially covered circuits to bare circuits in its HFRA on a per mile-day basis from 2019 to 2022, the data shows that circuits fully covered experience approximately 70% less faults than bare conductor when factoring in all sub-drivers (see Table X below). Additionally, circuits that are in the 75% to less than 100% covered group experience a similar improvement over bare conductor at approximately 69% less faults. The data also shows a predicted trend with an increasing reduction in faults as more of a circuit is covered. Furthermore, on segments where SCE has covered bare wire, there has not been a CPUC-reportable ignition from the drivers that CC is expected to mitigate.

Table CC-3

SCE Fault Events on Fully and Partially Covered Circuits Compared to Bare Circuits

Grouping	Reduction Compared to Bare			
	CFO	EFF	All Other	Total
Bare (0%)	0.0%	0.0%	0.0%	0.0%
Less than 25%	30.6%	38.3%	32.0%	34.1%
25% to less than 50%	45.3%	54.9%	50.7%	50.8%
50% to less than 75%	65.0%	54.0%	43.9%	53.8%
75% to less than 100%	81.0%	57.6%	70.8%	68.5%

100%	70.3%	80.3%	59.2%	70.5%

PG&E

As of the end of 2022, the number of ignitions observed on the CC lines does not provide statistically significant data for calculating effectiveness with respect to ignitions. As most distribution outages (momentary and sustained) typically involve a fault condition, PG&E assumes that all distribution outages can potentially result in an ignition, regardless of other prevailing conditions. Therefore, PG&E is measuring the recorded effectiveness of CC by comparing the outages on the circuit segments with CCs to outages on circuit segments with bare conductors.

PG&E's recorded effectiveness is calculated in three different snapshots. The first snapshot considers all CC installations by the end of 2019 and average yearly outages in 2020-2022. The 2nd snapshot considers the CC installations by the end of 2020 and average yearly outages in 2021-2022. Lastly, all CC installations by the end of 2021 and outages in 2022 are considered in the 3rd snapshot.

PG&E has not included CC installations that were completed in the middle of year 2022. PG&E is only including locations that were completed by end of year (EOY) 2021, so that there is a minimum of 1 year of outage performance data to be able to compare with outage performance in areas with bare conductor.

The comparison was conducted on an outages per year, per mile basis to normalize outage rates pre- and post- CC. Table CC-4 below presents the results of this preliminary recorded effectiveness analysis.

Table CC-4
PG&E Recorded Effectiveness Snapshots

Snapshot	Category of OH HFTD circuit segments (downstream of SSDs)	Total CC miles in this category	Total OH HFTD miles in this category	% CC'ed	Average yearly HFTD outages	Outage / Total OH HFTD miles / year	Improvement compared to Category 1
1: CC miles % of total OH miles by the end of 2019	**Outages considered: 2020-2022**						
	Category 1: not covered at all	0	24,849	0%	9339.7	0.38	-
	Category 2: 1-80% (partial)	27	242	11%	53.7	0.22	**41%**
	Category 3: 80%+ (mostly)	36	38	95%	4.3	0.11	**69%**
2: CC miles % of total OH miles by the end of 2020	**Outages considered: 2021-2022**						
	Category 1: not covered at all	0	24,950	0%	9544	0.38	-
	Category 2: 1-80% (partial)	122	640	19%	157.5	0.25	**36%**
	Category 3: 80%+ (mostly)	178	185	96%	19.5	0.11	**72%**
3: CC miles % of total OH miles by the end of 2021	**Outages considered: 2022**						
	Category 1: not covered at all	0	24,942	0%	5978	0.24	-
	Category 2: 1-80% (partial)	148	877	17%	151	0.17	**28%**
	Category 3: 80%+ (mostly)	238	248	96%	18	0.07	**70%**

The calculated outage reduction percentage (used as a measure for the recorded effectiveness) shows that CC sections experience approximately 28-70% fewer faults compared to bare conductor circuit segments.

PG&E's results are presented in Table CC-4. These results are preliminary due to the following factors:

- Using an averaged per mile rate for the outages inherently omits the granular perspective related to each individual section of the circuits in PG&E's service area because it does not capture the impact of localized environmental/weather conditions. Hence, this analysis may over or under-represent effectiveness.
- It is assumed that all distribution outages could potentially result in an ignition. It does not factor in if one type of outage is more or less likely to result in an ignition. However, there are several failure modes such as tie-wire failure that have a much lower likelihood of ignition compared to an outage due to a broken conductor.
- The outages in partially covered and mostly covered categories (category 2 and 3) could have occurred on parts of the line that are not covered, which cannot be validated due to lack of exact geospatial information for the outages.

As part of PG&E's ignition investigation process, it is incorporating additional review of ignition identification that occurs on a CC line to ensure visibility of failures based on observed incidents. Below are some examples related to the effectiveness of CCs in the field that have been observed in PG&E's service area.

Example 1:
On 5/10/2021, a 125-foot ponderosa pine that was 55-feet away from a pole, failed approximately 40-feet above ground, severing the CC, causing a wire down, and a subsequent CPUC reportable ignition.

Figure CC-2
PG&E Covered Conductor Effectiveness – Example 1

Example 2:
On 5/2/2022, a 120-foot ponderosa pine that was being abated for previously reported structural concerns, fell on a CC line, severing it, and starting a CPUC reportable ignition.

Figure CC-3
PG&E Covered Conductor Effectiveness – Example 2

These two incidents highlight some limitations concerning CC. In both incidents, there were vegetation management inspections and CC deployed. But even with the combined mitigations, it still resulted in an ignition.

Example 3:
On 12/27/2021, two CCs were supporting an entire tree. There was no ignition; however, an electrical outage did occur on the line.

Figure CC-4
PG&E Covered Conductor Effectiveness – Example 3

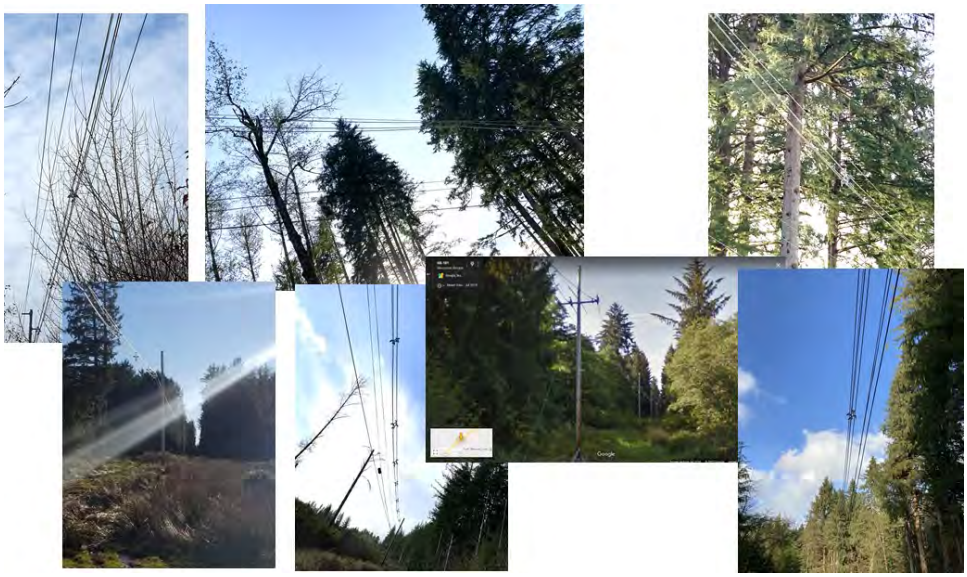
SDG&E
As CCs become a larger part of the system, the performance indicators that impact the efficacy of this mitigation will continue to be monitored and measured, including the measured effectiveness. As there are approximately 84 miles of CC installed with an average age of less than one year, SDG&E does not have sufficient data yet to draw any conclusions on the recorded effectiveness of CC.

Moving forward, SDG&E will continue to track the mileage, years of service, and faults on all CC circuit segments and will continue to collaborate with this working group to improve methods to measure the effectiveness of its system hardening initiatives. SDG&E's approach is to calculate the risk events per one hundred miles per year on segments that have been covered and compare the risk event rate before and after the installation of CC.

PacifiCorp
PacifiCorp continues to track risk events within each zone of protection (ZOP) with known conductor types and assumes homogenous performance across the ZOP. Current processes do not establish specific locations where fault events occur, but are reconciled to the device that protects the ZOP. To establish the recorded effectiveness, PacifiCorp queried pre- versus post-installation performance with risk event drivers for all ZOPs having CC (specifically spacer cable construction). It was important to recognize that legacy projects were focused on reliability and thus did not require reconductoring of the entire ZOP. As such, the recorded effectiveness calculations accounted for the percentage of the ZOP that wasn't reconductored. The smaller the percentage of the ZOP the less the confidence of the recorded effectiveness, while the higher the percentage of the ZOP the higher the confidence of the calculation.

PacifiCorp has also documented known contact-related events with CC. As shown in Figure CC-5 below, these events did not result in faults, wires down, or ignitions because spacer cable was deployed and provide examples of effectiveness in the field.

Figure CC-5
PacifiCorp Covered Conductor Effectiveness Examples



PacifiCorp will continue to monitor and track all faults on our CC circuits and track performance as compared to bare wire installs. PacifiCorp will also continue to collaborate in this working group to ensure we gather and share information from the other IOUs.

Bear Valley

BVES has approximately 211 circuit miles of overhead conductor between 34.5 kV and 4.16 kV in its system. BVES started a CC pilot program in Q2 2018 and completed it in Q3 2019 using two different type of cover conductor wires (394.5 AAAC Priority wire and 336.4 ACSR Southwire). Then, BVES started the cover conductor WMP in late 2019 with plans to cover 4.3 circuit miles on 34.5 kV over the next 4 years and 8.6 circuit miles on 4.16 kV over the next 10 years. As of end of Dec. 2022, BVES has covered approximately 34 miles between its 34 kV and 4 kV systems.

In Q3 2018, BVES started a new tree-trimming contract with a new tree service contractor. BVES has been very aggressive with its vegetation manage program having up to four tree crews or more at a time to complete its three-year cycle and remediating any issue trees which has helped reduce outages from vegetation contacts. As of end of 2021, BVES has completed its vegetation three-year cycle and in 2022 has started a new three-year cycle vegetation manage program.

As part of its wildfire mitigation efforts, in June 2019, BVES began replacing all explosion fuses in its service area with Trip Savers and Elf Fuses. BVES completed this project in May 2021, which eliminated the potential for ignitions from explosion fuses.

Though 2022, BVES has still not had any outages, wire down, tree limbs and/or ignitions on the lines that have been covered. BVES is still in the early stages of its CC program. As more areas are covered and as more time passes, BVES will compile more recorded data to inform on the effectiveness of CC. The table below provides a simple assessment of recorded outages since 2016 and through 2022.

Table CC-5
BVES Recorded Outages (2016-2022)

Year	# of Outages
2016	75
2017	95
2018	34
2019	26
2020	57
2021	46
2022	52

Liberty

Liberty's CC program is relatively new, having begun in 2020. Because the program is new, data on the performance of CC effectiveness do not yet demonstrate meaningful recorded effectiveness results based on the limited sample period and the wide variations in weather conditions from year-to-year. In addition, the CC projects completed thus far represent a small percentage of each circuit's total line miles.

Based on a review of Liberty's Outage Management System (OMS) data, there have been zero reported outages or ignitions caused by an event on CC spans. The only known event that occurred on a CC span, in a spacer cable configuration, happened during a winter storm in early January 2023. The event did not create an outage or ignition and it was found as a result of a post-storm aerial patrol. In this incident, a tree fell across a spacer cable span that was installed in 2020. The tree pulled down the span and caused three poles to lean significantly; however, the messenger wire held up the tree and prevented a fault and a wire from falling to the ground. The figures below represent this one incident.

Figure CC-6
Liberty Spacer Cable System Preventing a Fault – Viewpoint 1

Figure CC-7
Liberty Spacer Cable System Preventing a Fault – Viewpoint 2

Upon finding the damage, the poles were reset to vertical and the damaged support brackets were replaced. No damage was found related to the conductor.

Liberty intends to continue to monitor CC effectiveness and reinforce the need to collect and highlight any events that occur on CC. As more CC is installed and is in service for a longer period of time, the data collected will become more meaningful.

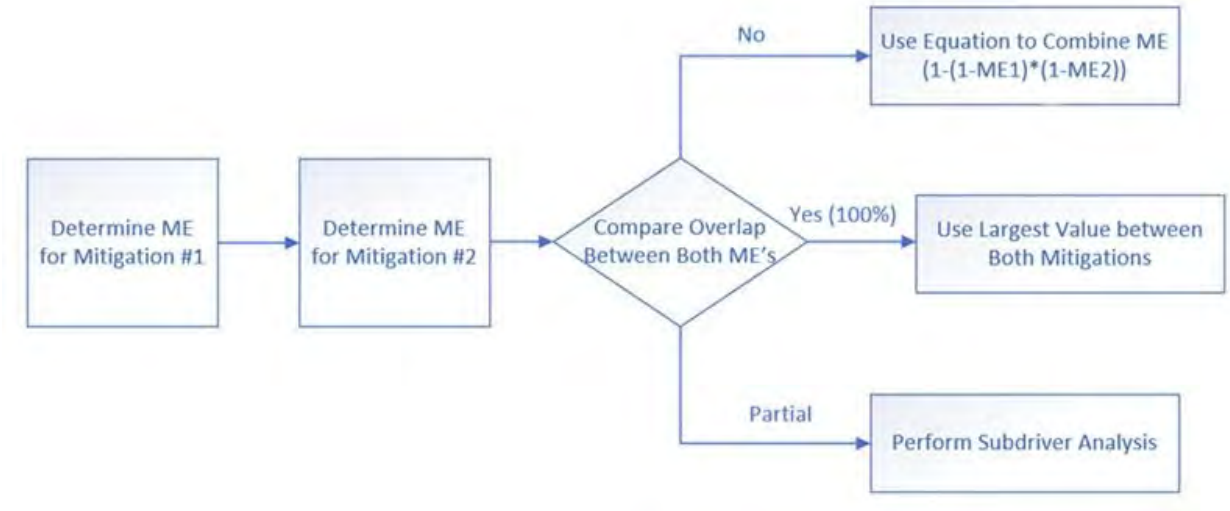
Next Steps:
In 2023, the utilities will continue meet on a regular basis, provide updates on risk event recorded data, discuss the methods used to measure the effectiveness of CC in the field, and continue to work towards developing consistent methods to measure the effectiveness of CC for better comparability. The utilities also plan to discuss outage data, causation identification and reporting. These efforts will require SME discussions and review of outage, wire-down and ignition data across the utilities. The utilities will also document any lessons learned.

Alternatives:
Overview:
In the 2022 WMP Update filings, the utilities identified a list of viable alternatives to CC and conducted workshops with SMEs that assessed the effectiveness of those alternatives against the same risk drivers that CC is designed to mitigate. In 2022, the utilities focused on the combination of mitigations utilities deploy as it relates to CC and alternatives to CC and discussing a framework to calculate the effectiveness of the combination of mitigations deployed on the same circuit or circuit-segment. Below, we describe these efforts and plans for 2023 to further this workstream.

Combination of Mitigations:
The combination of mitigations refers to the suite of mitigations utilities deploy in relation to CC and alternatives to CC on circuits or circuit-segments to mitigate wildfire risk and/or reduce the impacts of PSPS. For example, all utilities deploy CC and where CC is installed all utilities conduct vegetation management mitigations and asset inspection mitigations. Additionally, circuits that have CC are still in scope for potential PSPS and most utilities also employ fast curve settings on these circuits during elevated fire-weather conditions. Likewise, several utilities deploy undergrounding to mitigate wildfire risk and PSPS impacts and where circuits are undergrounded, vegetation management mitigations are significantly lessened if not eliminated, the potential for PSPS is in most cases eliminated, and asset inspection mitigations can also be reduced. Notwithstanding system configuration, geography, terrain, permitting, costs, the time to deploy, operational/resource constraints, environmental constraints and other considerations, utilities can choose to install CC or other mitigations such as traditional hardening, new bare conductor, undergrounding, a remote grid, and/or new technologies to mitigate wildfire risk and/or reduce the impacts of PSPS. In choosing between CC and alternatives to CC, utilities will also deploy other mitigations. As such, the utilities understand the need to explore methods to assess the effectiveness of a combination of mitigations.

Historically, utilities have largely estimated the effectiveness of mitigations separately. The utilities have discussed methods to calculate the effectiveness of multiple mitigations deployed on the same circuit or circuit-segment. In 2022, the utilities discussed efforts to perform such a combination of mitigations calculation. While PG&E and SDG&E have not yet adopted a framework for this evaluation, SCE shared its preliminary framework (Figure CC-8) to calculate the effectiveness of a combination of mitigations.

Figure CC-8
SCE Preliminary Framework – Calculation of a Combination of Mitigations



SCE's preliminary framework includes three prongs given that mitigation measures can target the same or different risk drivers. For example, CC is highly effective at reducing most contact-from-object sub-drivers such as light vegetation contact, animal contact, and metallic balloons. However, CC is not highly effective at reducing faults/ignitions from large trees that can fall into lines. The framework thus distinguishes the overlap of multiple mitigations. In the first prong, if multiple mitigations have no overlap in the risk drivers they mitigate, a standard equation can be used to calculate the combined effectiveness, as seen in Figure X. In the second prong, SCE considers where mitigations directly overlap with one another for a particular risk driver. In these instances, the mitigation with the highest effectiveness would be the combined effectiveness value. In the third prong, SCE considers where mitigations may target the same risk driver but they reduce the risk differently. In these situations, further analysis is needed to determine the incremental effectiveness prior to then combining the effectiveness values. Additionally, once the effectiveness of combined mitigations by driver are calculated, those values then need to be applied to the frequency of the driver risk events. Given that these estimated values are based on calculations and quantitative data can be limited and not always available, the utilities have also discussed discounting the individual estimated mitigation values.

To illustrate this framework, we use a subset of SCE's CC++ portfolio mitigation strategy. CC++ represents deploying CC, vegetation management, asset inspections, and other mitigations on the same circuit / circuit-segment that work collectively to better address the risk drivers than each by themselves. The tables and descriptions below are based on assessing the combination of CC, asset ground inspections, enhanced line clearing, pole brushing, and SCE's HTMP.
Table X shows independent estimated mitigation effectiveness values for the selected mitigations across selected contact-from-object and equipment failure sub-drivers. For purposes of this illustration, no discounting of individual estimated mitigation values was included.

Table CC-6
SCE Independent Mitigation Effectiveness Values

Risk Driver Description	WCCP	Distr Ground Asset Inspections	VM - Hazard Tree	VM - Expanded Pole Brushing	VM - Expanded Line Clearing
Animal contact- Distribution	65%	48%	0%	0%	0%
Balloon contact- Distribution	99%	0%	0%	0%	0%
Other contact from object - Distribution	77%	0%	0%	0%	0%
Unknown contact - Distribution	80%	0%	0%	0%	0%
Veg. contact- Distribution	71%	77%	64%	33%	36%
Vehicle contact- Distribution	82%	0%	0%	0%	0%
Capacitor bank damage or failure- Distribution	20%	87%	0%	20%	0%
Conductor damage or failure — Distribution	82%	80%	0%	7%	0%
Switch damage or failure- Distribution	2%	76%	0%	20%	0%
Transformer damage or failure - Distribution	20%	66%	0%	20%	0%

Using the risk driver vegetation contact, Table CC-6, above, shows varying estimated effectiveness values for WCCP, asset inspection, HTMP, expanded pole brushing, and expanded line clearing. All these mitigations work together to reduce the risk of vegetation contact causing a fire. For example, though CC addresses vegetation making contact with wires, line clearance and HTMP activities are also necessary to reduce heavy branches or trees falling into lines that CC may not be able to withstand. Asset inspection work assures equipment is in good condition, covers are in place, and if abnormalities are found, these are scheduled for remediation. These inspections also identify where vegetation may be in contact with equipment and conductors. While CC has shown, in the field, that there are times where it can withstand a large limb / tree fall-in and not create an outage and/or ignition, CC is not designed to withstand tree fall-ins. As such, and for purposes of this illustration, it is assumed these two mitigations do not overlap. Using the formula, described above, these two mitigations have an estimated combined mitigation effectiveness of approximately 90% (1-(1-71%)*(1-64%)). Asset inspections, expanded pole bushing, and expanded line clearing all have overlaps with CC for mitigating vegetation contact and thus require separate analyses. For purposes of this illustration, we assume these mitigations provide an approximate 9% incremental effectiveness for reducing vegetation contact risk. Combining all these values provides an estimated approximately 99% effectiveness value for risk of vegetation contact when all five mitigations are deployed on the same circuit / circuit-segment.

Following the same process, Table CC-7, below, shows the illustrative combined effectiveness values without considering quality control discounts. Additionally, applying the average annual frequency of historic faults and ignitions for these risk drivers, the table also shows the combined weighted average estimated effectiveness value for the selected mitigations.

Table CC-7
SCE Combined Mitigation Effectiveness Values

Risk Driver Description	Combined Effectiveness	Annual Fault Frequency in HFRA (2015-2020 Avg)	Fault-Weighted Combined Effectiveness	Annual Ignition Frequency in HFRA (2015-2020 Avg)	Ignition-Weighted Combined Effectiveness
Animal contact- Distribution	71%	644	6%	4.8	12%
Balloon contact- Distribution	99%	866	11%	5.0	17%
Other contact from object - Distribution	77%	420	4%	1.7	4%
Unknown contact - Distribution	80%	0	0%	0.0	0%
Veg. contact - Distribution	99%	469	6%	4.7	16%
Vehicle contact - Distribution	82%	550	6%	3.7	10%
Capacitor bank damage or failure- Distribution	92%	382	4%	0.2	1%
Conductor damage or failure - Distribution	85%	2,280	24%	8.3	24%
Switch damage or failure - Distribution	82%	58	1%	0.0	0%
Transformer damage or failure - Distribution	78%	2,334	23%	1.3	4%
Total Estimated Combined Effectiveness			84%		86%

In this illustration, Table X shows that when you combine WCCP with asset inspections, HTMP, expanded pole brushing, and expanded line clearing, the combined estimated effectiveness in mitigating faults and ignitions for the selected risk drivers and without discounting is approximately 84% and 86%, respectively.

Understanding the effectiveness of the combination of mitigations can be a helpful guide in utility decision-making. A common framework could also assist in greater comparability across the utilities. Challenges to developing such calculations include data availability, disaggregating effectiveness below the driver/sub-driver level to determine mitigation overlaps, and limitations in a purely formulaic method.

Next Steps:
In 2023, the utilities will meet regularly to discuss methods to determine effectiveness for the combination of mitigations. This will include building on the preliminary framework described above by detailing examples across the utilities. Because many mitigations overlap with one another and can reduce a driver of a risk event differently, the utilities will also discuss and share available data and analytical methods to determine these differences. Additionally, the utilities will explore the process to develop suites of mitigation measures that include new technologies in continuing to evaluate methods to calculate the effectiveness of a combination of mitigations.

New Technologies:
Introduction:
In the utilities' 2022 WMP Update Action Statements, Energy Safety identified an ACI for all utilities to collaborate to evaluate the effectiveness of new technologies supporting grid hardening and situational awareness such as REFCL and DFA/EFD, particularly in combination with other initiatives. The utilities were also ordered to share practices and evaluate implementation strategies and that this effort should be a continuation of the CC study from the 2021 WMP Action Statements, including Energy Safety as a

participant. Below, we outline the utilities' approach, information gathered to date, and 2023 milestones to assess the effectiveness of new technologies and share practices and implementation strategies.

Summary of Approach:
The utilities initiated this workstream in Q4 2022 and have since conducted bi-weekly meetings. The initial meetings focused on identifying utility SMEs, discussing types of alternative technologies employed by the utilities, the status of those technologies, effectiveness values, approaches to sharing practices and implementation strategies and how to meet the ACI requirements, timelines/milestones. Evaluating the effectiveness of the technologies in combination with other mitigations is addressed in the scope for the Alternatives workstream, as described in the section above. Based on these initial discussions, it was first decided to document the various alternative technologies the utilities are employing. As seen below, very few technologies are employed across all utilities. The utilities then generally discussed effectiveness values and whether the new technologies can help reduce the impact of PSPS. It was learned that the majority of new technologies are still undergoing investigation and have limited data regarding effectiveness values. The utilities also discussed practices of how the technologies are being employed and learned that where utilities all employ a technology such as disabling reclosing settings, the practices are not all consistent. These areas of focus are further described below along with 2023 plans to conduct regular meetings and workshops focused on specific technologies. Beyond assessing the new technologies, the utilities also plan to document questions for benchmarking with other utilities and discuss any new research and/or other new technologies that the utilities are made aware of.

<u>New Technologies</u>
The utilities have identified 15 new technologies that one or more utilities employ, are piloting, and/or investigating. These include, for example, disabling reclosing settings, fuse replacements, fast curve settings, RAR/RCS, DFA, EFD, REFCL, and OPD. Table CC-8, below, identifies the new technologies or protection strategies being employed, piloted, and/or investigated to either mitigate wildfire risk and/or reduce the impacts of PSPS.

Table CC-8
New Technologies By Utility

New Technology / Protection Strategy	SCE	SDG&E	PG&E	Liberty	BVES	PacifiCorp
Fuse replacement (current limiting fuses, expulsion fuses)	Yes	Yes	Yes	Yes	Yes	Yes
Reclosing Settings (Disabling)	Yes	Yes	Yes	Yes	Yes	Yes
Fast curve settings / EPSS / SRP	Yes	Yes	Yes	Yes	No	Yes
Remote Controlled Automatic Reclosers / Remote Controlled Switches (RAR/RCS)	Yes	Yes	Yes	Yes	Yes	Yes
Distribution Fault Anticipation (DFA)	Yes	Yes	Pilot - Moving to Deployment	Investigating	No	Pilot
Early Fault Detection (EFD)	Yes	Yes	Pilot	No	No	No
Rapid Earth Fault Current Limiter (REFCL)	Pilot - Moving to Deployment	No	Pilot	No	No	No
Open Phase Detection (OPD)	Yes	No	Yes	No	No	No
Falling Conductor Protection (FCP)	No	Yes	Pilot	No	No	No
Smart meter (MADEC)	Yes	Yes	Yes	No	No	No
Household Outlet	Pilot	No	Pilot	No	No	No
Sensitive ground fault detection (relays)	Pilot	Yes	Yes	No	No	No
Electrical Grid Monitoring (EGM)	No	No	No	No	Pilot	No
Thor Hammer	No	No	Pilot	No	No	No
Intumescaent wrap / Fire-wrap poles	Yes	No	Yes	No	Yes	Yes

As seen in Table CC-8, there are only three types of new technology or protection strategies employed by all utilities. These include fuse replacements, disabling reclosing settings, and RAR/RCS. The other technologies are either being deployed, piloted, and/or investigated by a few utilities. Two technologies, DFA and REFCL, are moving from a pilot phase to deployment for PG&E and SCE, respectively. The utilities will further discuss the differences of these technologies to understand overlaps and similarities. For example, OPD and FCP have a similar purpose.

Practices and Implementation Strategies

The utilities have started to share practices for the new technologies. For example, while all utilities disable reclosing settings to mitigate wildfire risk, utility practices vary. For instance, SCE, PG&E and Liberty disable reclosing settings on circuits in HFRA during fire season, SDG&E disables settings, also on circuits in HFRA, but does it year-round, and BVES disables from April to October. The utilities believe that focused meetings and workshops on specific technologies are needed to share practices and implementation strategies. As such, the utilities will conduct focused workshops for specific technologies, as described below, to determine if best practices can be identified and will continue to share practices and implementation strategies in bi-weekly meetings.

Effectiveness Values

In many instances, the utilities are still investigating or have limited data as it relates to effectiveness values. The utilities have documented and shared effectiveness values for a few technologies but have not yet discussed these in detail. For example, effectiveness values for fast curve settings (when operating) range from approximately 49% to 100% effective at reducing ignitions (based on limited data

that is not statistically significant). Given the large range, the utilities will conduct a workshop on the effectiveness of fast curve settings to share data and methods. Additionally, the utilities will discuss whether the technologies help reduce the impact of PSPS. As described in the next steps, the utilities have identified certain technologies for workshops and will continue to document estimated effectiveness values and the potential to reduce PSPS across all technologies.

Next Steps:
In 2023, the utilities will continue to document and assess the estimated effectiveness of new technologies where data is available, their ability to reduce PSPS impacts, and will continue to document and share practices and implementation strategies. These objectives will be accomplished through biweekly meetings and a series of workshops. Based on discussions to date, the utilities provide the following preliminary workshop schedule and themes.

Once the utilities finalize the workshop schedule, Energy Safety will be invited. Additional workshops may also be scheduled in Q3/Q4 2023. Should the results of the workshops lead to best practices, the utilities will establish plans to implement the changes and document as part of lessons learned.

M&I Practices:
Introduction:
In the utilities' 2022 WMP Update Action Statements, Energy Safety identified an ACI for all utilities to share and determine best practices for inspecting and maintaining CC, including either augmenting existing practices or developing new programs, to include this effort as part of the Joint IOU Covered Conductor Working Group, and for the IOUs to continue to lead this study and to include Energy Safety as a participant. Below, we outline the utilities' approach, information gathered to date, and 2023 milestones to assess the utilities' CC M&I practices, determine if best practices can be identified, and if best practices can be identified, put in place plans to implement those best practices.

Summary of Approach:
The utilities initiated this workstream in Q4 2022 and have since conducted weekly meetings. The initial meetings focused on identifying utility SMEs, discussing approaches to determine best practices and how to meet the ACI requirements, and timelines and milestones. Based on these initial discussions, the utilities agreed to a common approach that is both broad and focused. The approach includes first capturing information such as each key utility facts (e.g., service area size in HFRA), types of inspections utilities perform on distribution overhead conductor, general M&I practices for distribution overhead conductor, specific practices for CC, general and specific training the utilities conduct, and QA/QC information. Capturing broad information such as the types of inspections utilities perform provides a high-level understanding of how each utility performs inspections, the frequency it performs them at, and other related information. In assessing these sets of information, the utilities believe the determination of best practices will require a series of focused workshops and follow up meetings with SMEs, engineers, inspectors, QA/QC personnel and other resources as needed. Focused workshops are needed to facilitate determining if best practices can be identified. For example, all utilities perform ground and aerial inspections which are generally conducted similarly; however, they are not all performed the same way. Determining a best practice relating to performing a ground and/or aerial

inspection for CC will require detailed discussions focusing on very specific aspects of the resources that do the work, tools and equipment used, the methods used, and other factors, some of which may only be obtained by conducting field observations across the utilities. It is also important to note that while there are differences in practices, determining best practices can take months, if not years, and that a best practice for one utility may not be a best practice for another utility for reasons such as costs, geographic size of the utility, and resource limitations. Given these facts, the utilities will also document any lessons learned that may be helpful for one or more utilities and can be added to existing M&I practices. Beyond assessing existing practices, the utilities also plan to document M&I-related questions for benchmarking with other utilities, learn from the testing workstream (should any CC inspection and/or maintenance practice be recommended from that workstream), and discuss any new research and/or new technologies that the utilities are made aware of as it relates to CC M&I practices.

Key Distribution Data

The joint utilities vary in size and it is important to consider this information when assessing best practices. Table CC-9, below, provides a few data points in HFRA, unless as otherwise noted, regarding the utilities' service area size, the facilities they maintain, and the average number of distribution inspectors. The figures in the table are approximate values.

Table CC-9
Key Distribution Data by Utility

Key Data in HFRA	PG&E	SCE	SDG&E	PacifiCorp	Liberty	BVES
Distribution Overhead Circuit Miles	25,200	9,600	3,400	813	676	211
Distribution Poles	630,000	290,000	81,000	20,378	23,058	8,860
Square Miles	41,000	14,000	2,600	7,155	938	32
Average Number of Ground Inspectors (Systemwide)	203	153	50	5	4	2

As illustrated in Table CC-9 above, PG&E has significantly more square miles, distribution overhead circuit miles, and distribution poles in its HFRA to inspect and maintain. Conversely, BVES has the smallest HFRA square miles and least amount of distribution overhead circuit miles and distribution poles to maintain and inspect. As described more below, due to HFRA size alone, a best practice at PG&E may not be an ideal practice for BVES and vice versa.

Types of Distribution Inspections

The utilities perform several types of inspections on distribution facilities. These include detailed ground inspections, aerial inspections, infrared, patrols, Areas of Concern (AOCs) and LiDAR. These distribution inspection types are designed to meet or exceed GO 95 and GO 165, and also to mitigate wildfire risk. Tables CC-10 and CC-11 below highlight the types of distribution inspections the utilities perform.

Table CC-10
Types of Distribution Inspections performed by SCE, PG&E and SDG&E

Types of Distribution Inspections	SCE	PG&E	SDG&E
Detailed - Ground	Every distribution structure inspected between twice a year and up to once every 3 years, and high-risk structures inspected at least every year; Inspectors on the ground can use binoculars and/or cameras when needed	HFTD: Structures inspected every 1-3 years based on wildfire consequence; Top 10% risk structures inspected every year; Non-HFTD: every 5 years Inspectors use binoculars when needed	Every distribution structure inspected every 5 years
Detailed - Aerial	Every distribution structure inspected between twice a year and up to once every 3 years, and high risk structures inspected at least every year; SCE does 360 degree inspection from ground and the air with the same resources (drone) in the same time period	Will cover ~48K distribution structures in 2023 in the highest wildfire consequence areas; Longer-term plan will be developed based on the learnings from 2023 drone program	Drone inspections are performed on high-risk assets each year; Risk assessment performed annually to determine scope of assets to be inspected that year; Approximately 15,000 structures inspected per year.
Infrared	5,100 distribution overhead circuit miles targeted for inspection in 2023; performed on the ground	Conducted at high risk locations on an ad hoc basis	18,000 structures per year; plus ad hoc based on cause-unknown outages; Combination of aerial and ground
Patrol	100% of above ground and subsurface assets inspected annually; Conducted by ground mostly and helicopter/drone if needed (e.g., access issues)	HFTD: 100% of assets that are not inspected each year Non-HFTD: Based on urban/rural designations	100% of assets inspected annually
Areas of Concern (AOCs)	Additional inspections based on area of concern analysis conducted in late spring / early summer	Additional inspections are performed in areas of concern when needed.	See drone inspections - areas of concern determined by risk assessment and these are performed via drone
LiDAR	In 2023, will evaluate the use of this technology for asset-condition assessments; Historically, used for construction, planning, crew access, vegetation, etc.	Utilized to update pole orientation and associated attributes such as communication line, guy, anchor Database is then leveraged to conduct pole loading assessment to identify overloaded poles for replacement	Only utilized for construction planning purposes

Table CC-11
Types of Distribution Inspections performed by PacifiCorp, BVES, and Liberty

Types of Distribution Inspections	PacifiCorp	BVES	Liberty
Detailed - Ground	Every distribution structure inspected every 5 years; Inspections on ground use cameras and binoculars	Every distribution structure inspected every 5 years	Every distribution structure inspected every 5 years
Detailed - Aerial	Every distribution structure is inspected every year in Tier 2/3 areas and every 2 years in non-Tier areas; Inspection is performed from the ground with same resources in the same time period	Contractor performs drone inspections yearly with infrared on 100% of 34 kV and 4 kV distribution circuits	No aerial inspections on distribution at this time.
Infrared	Only when requested	100% of 34 kV and 4 kV distribution circuits per year	No infrared at this time
Patrol	100% of assets inspected annually	100% of assets inspected annually	100% of assets inspected annually
Areas of Concern (AOC)	Additional inspections performed when requested	May complete addition patrol inspection during extreme dry day with possible high fire risk	Additional inspections are performed in areas of concern when needed
LiDAR	Not performed on distribution circuits, but has been used in the past for vegetation	Use yearly for vegetation management (Check to see if vegetation is near lines)	Use for vegetation management

As shown in the tables above, the utilities perform similar types of inspections. Given the requirements of GO 95 and GO 165, this was to be expected. There are differences, however, in some inspection types as well as in some practices. For example, not all utilities conduct detailed ground inspections on high-risk / high consequence structures (and conductor) every year. Being that the focus of this effort is on CC M&I practices, obtaining findings for CC during these inspections and discussing amongst the utilities will help inform if a best practice can be identified and whether that best practice should and can be applied to all utilities. Similarly, some utilities conduct Areas of Concern (AOCs) inspections and SCE is evaluating LiDAR for asset condition assessments, which has historically been used for vegetation clearances and construction-related purposes. The utilities will discuss these types of inspections, focused on CC, and assess how useful they are in maintaining CC to determine if they should and can be utilized across all utilities.

<u>General M&I Practices</u>

Because utilities have performed inspections and remediation on overhead facilities for decades, the utilities have shared and discussed various aspects of what inspectors look for when assessing the condition of overhead conductor, regardless if covered or bare (as most assessments for bare will also

apply to covered). For example, during detailed ground inspections, inspectors will assess (naked eye and/or binoculars) all components and equipment attached to a pole and any materials connected to conductors. These inspections look for deterioration/corrosion, pitting, damage, clearance issues, sagging, loading, alignment issues (e.g., dead-end covers), misconfigurations, conformance with construction standards (e.g., missing covers/guards), exposed sections for splices, connectors, vegetation in immediate need for remediation, and other abnormal conditions. All of these potential issues apply to bare and CC. In large part, many of the methods and potential issues inspectors look for with bare conductor equally apply to CC. Given this fact, it is important to understand the general M&I practices for overhead conductor that utilities use. The utilities will also explore determining abnormal conditions that could cause a safety or fire ignition risk resulting in remediation and how these are prioritized. Additionally, inspectors that perform this work have understanding and knowledge that can inform the assessment of potential best practices and the utilities intend to include these resources in the workshops. The utilities will continue to discuss and document these practices and prepare for workshops to determine if best practices for CC can be determined.

Specific M&I Practices

This category refers to specific M&I practices for CC. SCE has shared its specific M&I practices which include prompts for data accuracy including types of CC and directions CC is installed, construction standard checks including any missing items such as dead-end covers, connector covers, fuse covers, lightning arrestors and covers, and pothead covers, and identifying abnormal conditions such as visible signs of tracking or damage on the outer jacket. Additionally, in 2023, PG&E updated their Detailed Ground Inspection checklist to include prompts for identifying failure modes that are unique to CC such as CC wire jacket cut into and bare conductor exposed, CC exposed and burnt, and dead-end cover mis-aligned on CC construction. While other utilities may not have tools that have these specific prompts, as part of their training, they look for visible signs of tracking and/or damage on the covering as well as discoloration. As noted above, the majority of M&I practices for bare conductor apply to CC. Because damage to the outer layer of CC may lead to faults/failures, this is an important inspection assessment all utility inspectors perform. Likewise, all utility inspectors are trained on their CC construction standards and thus assess conformance to the construction standard in the field. Most utilities do not collect asset information for data quality checks as some SCE prompts provide for; however, if deficiencies are noted during other utilities' inspections, they can be submitted through their processes. The utilities will assess these details in workshop settings to determine if best practices can be identified. Field observations may also be conducted to capture additional information.

Training

All utility inspectors are trained to understand CC construction standards and maintenance of CC through new inspector training, refresher training, ad hoc training and/or training conducted by the conductor manufacturer or through industry partners. The large utilities have similar types of training including new inspector training, refresher training, and ad hoc training for changes to standards, materials, etc. that may occur. The small utilities have few inspectors and typically are trained linemen with 20+ years' experience. These inspectors are trained on CC through industry organizations and/or the manufacturer as opposed to through a utility-developed training curriculum. For example, BVES has two inspectors that are trained lineman with over 20 years' experience. As such, developing a training curriculum for two inspectors may not be cost-effective when alternative training through the

manufacturer or industry partner is available. The utilities will continue to collect training information and conduct a workshop to determine any best practices.

QA/QC

All utilities employ a quality assurance / quality check (QA/QC) process for asset inspections as well as construction of CC lines. For example, the large utilities will QA/QC CC as part of their QA/QC program, which are based on sampling methods. BVES and Liberty QA/QC all CC installations. Given the difference in size of utilities, it makes sense that the large utilities use QA/QC sampling methods whereas the small utilities QA/QC all new CC work. The utilities will further discuss and assess each utilities QA/QC practices related to CC in a workshop setting to determine if best practices can be identified.

Next Steps:

In 2023, the utilities will continue to capture general and specific CC M&I practices across the utilities and will conduct workshops to determine if best practices can be identified. Meetings will also be held to follow up on the workshops and set plans to implement any best practices that are identified. Below, the utilities provide a preliminary workshop schedule and themes.

Once the utilities finalize the workshop schedule, Energy Safety will be invited. Additional workshops may also be scheduled if needed. Should the workshops lead to best practices, the utilities will establish plans to implement the changes and document as part of lessons learned.

Estimated Effectiveness:

Overview:

As explained in the 2022 WMP Update report, each utility's CC programs are different due to factors such as location, terrain, and existing overhead facilities. The utilities also have different frequencies of risk drivers. Additionally, the utilities are still at different phases of installing CC as some have limited miles deployed while others have deployed thousands of miles of CC. These features, amongst others, result in data, calculations, and methods of estimating effectiveness that are different. As such, the utilities have been working on understanding differences and discussing methods for better consistency. In 2022, the utilities focused on testing, recorded effectiveness, and the new requirements. The utilities' continue to estimate CC effectiveness from approximately 60 to 90 percent at reducing outages/ignitions and/or the drivers of wildfire risk.

Below, the utilities describe any updates to their data, analyses, and methods used to estimate the effectiveness of CC to mitigate outages/ignitions and/or the drivers of wildfire risk and present their

estimated effectiveness values, and describe next steps to improve consistency of data, calculations and methods.

Covered Conductor Estimated Effectiveness:

SCE:

SCE's Wildfire Covered Conductor Program (WCCP) consists of replacing bare conductor with CC, the installation fire-resistant poles (FRPs) where applicable, wildlife covers (animal safe construction), lighting arresters, and vibration dampers below 3,000 feet. Additionally, in 2022, SCE modified its CC construction standard to include the replacement of open wire secondary or weather-resistant aluminum (OWS or WAL) with multiplex secondary conductors. Weather resistant aluminum wire on the secondary system are outdated technology and will be updated to the new standard when WCCP is installed. Because this standard update will only affect WCCP installations starting in 2024, and not WCCP completed in 2022 or planned for 2023, This activity is not yet accounted for in determining the overall mitigation effectiveness of SCE's WCCP.

In 2022, SCE assessed the Joint IOU testing results and mapped the test results to risk drivers and sub-drivers to determine if any changes were warranted. Results from the Wire Down Event Scenarios demonstrate that the bare portion of the conductor must be exposed to lead to an ignition. The System Strength Tests demonstrates that tangent structures will not significantly damage the conductor enough to expose the bare conductor. Tangent structures without equipment do not have any exposed bare conductor or taps (~50% of all structures are tangent). As a result, the current mitigation effectiveness of Vehicle Contacts did not account for the performance of CC on tangent structures, therefore SCE increased the mitigation effectiveness from 50% to 82%. SCE also evaluated phase-to-phase contact and simulated wire-down testing. CCs were 100% effective at preventing arcing and ignition in tested scenarios at rated voltage, consistent Exponent's Phase I field reporting. Per the testing results, adjustments were also made for vegetation contact and unknown contacts. Below, SCE provides the updated estimated mitigation effectiveness for WCCP. Overall, the estimated mitigation effectiveness for WCCP increased from approximately 67% to 72%.

Table CC-12
SCE Covered Conductor Mitigation Effectiveness Estimate

Driver Type	Sub-Driver/ Consequence Type	% Drivers	Current Driver ME	New Drive ME	Directional Change	Indicative Test Result
D-CFO	Vegetation contact	12%	60%	71%	Increased	Wire Down Events + System Strength
D-CFO	Animal contact	13%	65%	65%	No Change	Wildlife cover test
D-CFO	Balloon contact	13%	99%	99%	No Change	
D-CFO	Vehicle contact	10%	50%	82%	Increased	Wire Down Events + System Strength
D-CFO	Unknown contact	8%	77%	80%	Increased	Aggregate of CFO Result
D-CFO	Other contact from object	3%	77%	77%	No Change	
D-WTW	Wire-to-wire contact / contamination	3%	99%	99%	No Change	
D-EFF	Conductor damage or failure	13%	90%	90%	No Change	Degraded covering
D-EFF	Connection device damage or failure	5%	90%	90%	No Change	
D-EFF	Connector damage or failure	5%	90%	90%	No Change	
D-EFF	Crossarm damage or failure	~0%	50%	50%	No Change	System Strength
D-EFF	Insulator and brushing damage or failure	4%	90%	90%	No Change	
D-EFF	Splice damage or failure	5%	90%	90%	No Change	

PG&E:

PG&E's overhead hardening program consists of primary and secondary CC replacement along with pole replacements, replacement of non-exempt equipment, replacement of overhead distribution line transformers, framing and animal protection upgrades, and vegetation clearing. PG&E understands the focus of this request to be centered on CC, however our efforts to estimate effectiveness include all elements of our Overhead Hardening program, which PG&E believes is more complete.

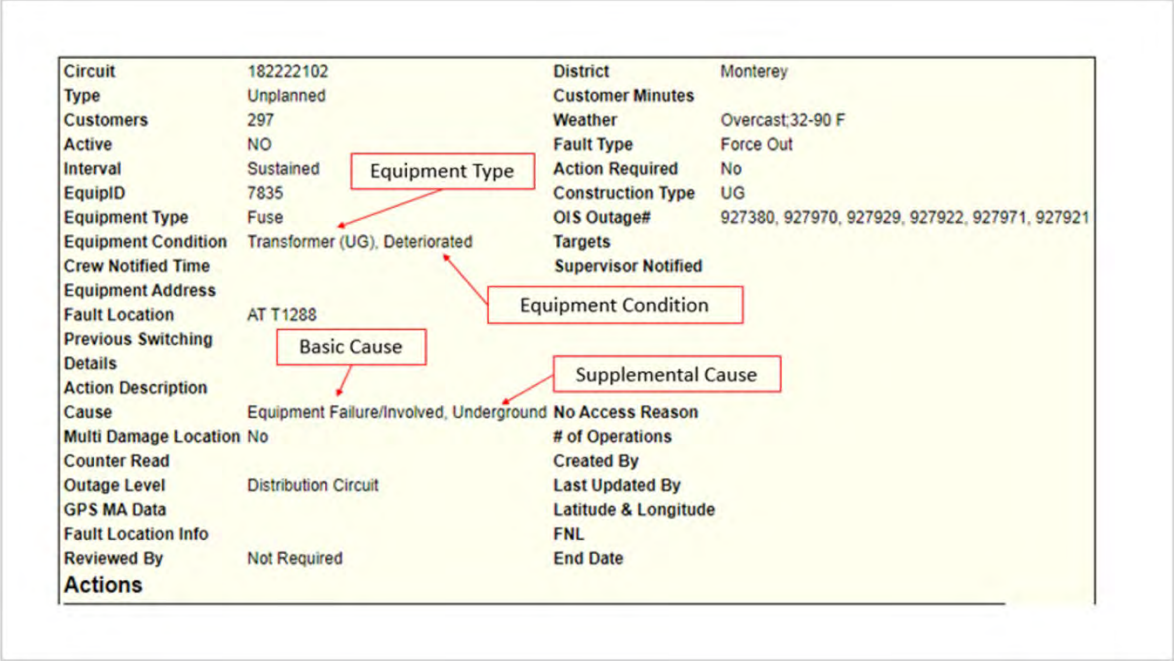
Determining whether a specific event could result in an ignition depends upon a wide variety of factors, including the nature of the event itself and prevailing environmental conditions (e.g., weather, ground moisture level, time of year). As PG&E does not have complete information to make this determination for each event, estimating overhead hardening effectiveness relies upon the following proxy to derive its estimates. Most distribution outages (momentary and sustained) typically involve a fault condition. Thus, for purposes of estimating overhead hardening effectiveness, it is assumed that all distribution outages could potentially result in an ignition, regardless of other prevailing conditions. This approach aligns with what has been previously stated in PG&E's 2020 WMP as well as its 2020 RAMP filing.

In early 2023, PG&E assessed the Joint IOU testing results to re-evaluate the SME effectiveness designations and adjusted the effectiveness in a few key areas. While this is expected to be an ongoing process, we have refreshed our effectiveness values based on updated designations and the data as follows:

Additionally, PG&E has refreshed our data for estimated effectiveness to include outage data through 2022. Previously, the last PG&E update including outage data was from PG&E's 2023 GRC filing, which had data through 2020.

With the above assumptions from the PG&E's 2020 WMP as well as our 2020 RAMP filing, PG&E updated the estimated effectiveness factor for overhead hardening in 2023, incorporating the 2023 re-evaluated SME effectiveness designations:

Figure CC-9
PG&E Distribution Outage Database Record



- **All** = Eliminates likelihood of a certain type of outage occurring resulting in an ignition
- **High** = Reduces likelihood significantly of a certain type of outage occurring resulting in an ignition
- **Medium** = Reduces likelihood moderately of a certain type of outage occurring resulting in an ignition
- **Low** = Reduces likelihood minimally of a certain type of outage occurring resulting in an ignition
- **None** = Will not affect the likelihood of a certain type of outage occurring resulting in an ignition

- **All** = 90%
- **High** = 70%
- **Medium** = 40%
- **Low** = 20%
- **None** = 0%

Table CC-13
PG&E Covered Conductor Mitigation Effectiveness Estimate

Driver	Average Yearly Count of Incident ID	Average of SH_Effect_Pct
Animal	429	75%
D-Line Equipment Failure	2233	69%
Environmental/External	255	42%
Third Party	397	57%
Vegetation	2735	62%
Grand Total	**6049**	**64%**

Based on the latest update using outage data through 2022 and repeating the process from PG&E's 2020 WMP filing, the updated estimated effectiveness is 64% where Overhead Hardening has been completed. Therefore, a section of a line that has been hardened is approximately 64% less likely to have an outage of any type. Similarly, a section of a line that has been hardened is approximately 64% less likely to have an outage of each of the drivers. This result is consistent with the previous results that were completed using data for the 2020 WMP.

SDG&E:

SDG&E initially began to examine CC from a personnel safety and reliability standpoint. The three-layered construction showed prospective reduction of injuries to people in the event of an energized wire-down in which the wire contacted a person and/or also might reduce the step potential to people in the vicinity. Outages that result from light momentary contacts (i.e. mylar balloons, birds, palm fronds) also have shown the potential to be reduced. In late 2018, focus was shifted towards using CC as an alternative to SDG&E's traditional overhead hardening program with the primary focus of reducing utility-caused ignitions.

SME's conducted research on the history and use of CC in the industry. Additionally, the SMEs reached out to utilities on the East Coast and internationally to receive their feedback of the effectiveness and work methods for installation purposes.

In addition to other studies/tests that have been and will be performed by SCE and PG&E, as described in the Testing section, SDG&E will have a third-party evaluate the likelihood and effect specific to conductors clashing at various wind speeds. Accelerated aging studies will also be performed to mimic a 40-year service life; after which, the samples will be subjected to tests designed to understand the potential for both mechanical degradation, as well as reduction in dielectric strength. These tests will be performed in accordance with ASTM or other industry recognized standards. Final reports for this testing are expected to be completed in April 2023.

In order to quantify the risk reduction of wildfires that would be achieved by CC, SDG&E evaluated 80 events that resulted in ignitions. SME's weighed in on the likelihood that CC installation would prevent an ignition for the particular type of outage depending on the severity of the incident. As seen in Table X

below, the result is a reduction in ignitions from 60 to 20.6, and a resulting effectiveness estimate of 65.7%.

In 2022, SDG&E has been participating in collaborating with other utilities as part of the Joint IOU working groups in the evaluation of the testing that has been and is currently still being performed. Once all testing has been completed in 2023, SDG&E will perform an analysis based on risk drivers to re-evaluate the estimated efficacy of CC.

Table CC-14
SDG&E Covered Conductor Mitigation Effectiveness Estimate

Fault/Ignition Cause	***Number of Ignitions***	***SME Effectiveness***	***Post-Mitigation Ignitions***
Animal contact	7	90%	0.7
Balloon contact	9	90%	0.9
Vegetation contact	2	90%	0.2
Vehicle contact	8	20%	6.4
Other contact	3	10%	2.7
Other	4	10%	3.6
Equipment - All	26	80%	5.2
Unknown	1	10%	0.9
Total	60	65.7%	20.6

The table above was updated with the number of ignitions occurring between 2017-2021 compared to last year's report that was based on 2016-2020 data. Updates to SDG&E's overall effectiveness methodology are anticipated to be completed by December 2023.

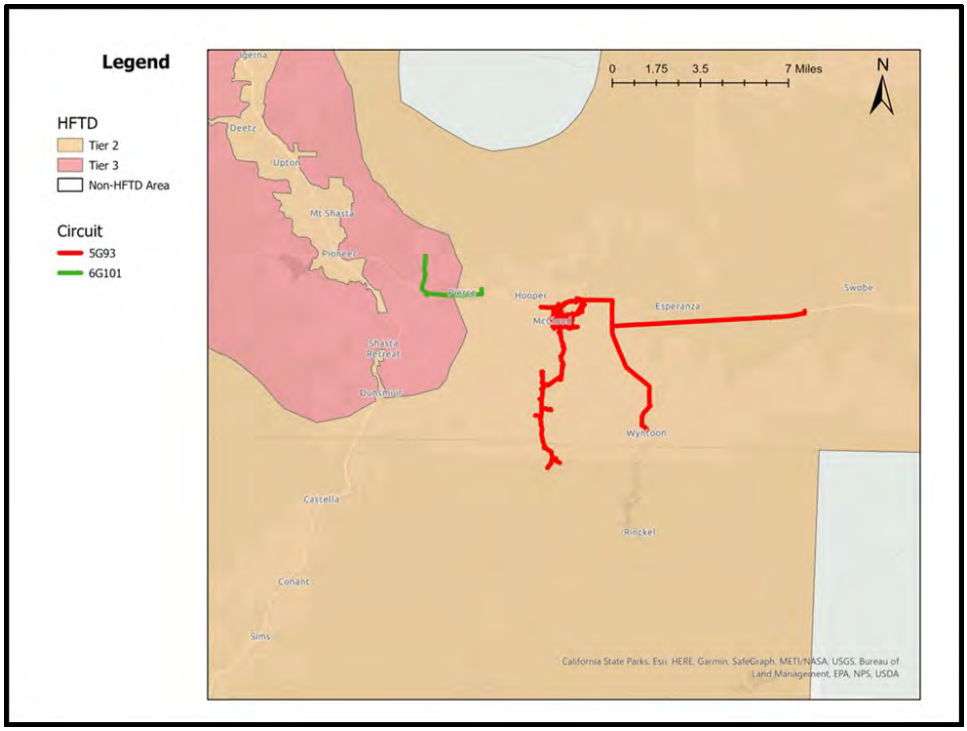
PacifiCorp:

Prior to development of the WMP, PacifiCorp historically pursued CC designs and systems due to historical experience with elevated outage count from trees, limbs, and incidental contact (resulting in grow in) throughout its service area. Additionally, access conditions on some of its circuits are extremely difficult in certain times of the year, and those circuits also tend to have elevated outage rates. For the above-mentioned reasons, when siting its historic CC pilot projects, PacifiCorp tended to focus its deployment on circuit-segments that had above average vegetation and/or animal outage rates in conjunction with difficult access. Now, as part of the company's line rebuild program to install CC and mitigate wildfire risk, PacifiCorp is actively pursuing both CC and spacer cable systems. Most projects

completed so far as part this program have leveraged a spacer cable system, which primarily includes CC, a structural member (messenger), and specialized attachment brackets. Therefore, the effectiveness examples and estimations were determined for spacer cable.

As an example of how to assess the effectiveness of newly installed spacer cable, PacifiCorp compared two circuits, one with bare wire and one with spacer cable installed. Both circuits are in the same general geographic area and shown in Figure CC-10 below. Additionally, the circuits are in a HFTD, with the spacer cable partially located in a tier 3 area near Mt. Shasta and the bare conductor located completely within a tier 2 area, though it is still located within a few miles of the tier 3 boundary.

Figure CC-10
PacifiCorp Map Showing the Two Circuits Plotted with the HFTD Overlay



To begin characterizing outage frequency variation prior to and after the installation of spacer cable, 18 years of outage data (2005-present) for both circuits was reviewed and is summarized in Table CC-15, below.

Table CC-15
PacifiCorp Outage Frequency for Bare Wire and Spacer Cable Circuits (2005 – present; Asterisk (*) indicates the year spacer cable was installed)

Year:	Outages - Bare Wire Circuit:	Outages - Spacer Cable Circuit (Q4 2021):
2005	8	0
2006	6	2
2007	2	2
2008	10	10
2009	0	0
2010	6	12
2011	42	18
2012	6	4
2013	10	2
2014	2	0

2015	2	2
2016	2	2
2017	2	4
2018	0	0
2019	4	2
2020	4	0
2021	2	4 *
2022	8	**0**
2023	4	**0**

Generally, the data demonstrates that outage frequency can significantly vary year over year. Additionally, in this example, the bare wire circuit has historically experienced either an equivalent or higher frequency of outages than the circuit the spacer cable was installed, except in 2010. While many factors can impact outages and reliability, this general trend is expected given the significant differences in circuit length. This same data was then normalized based on circuit mile and summarized in Table X below.

In both tables, the data generally shows that for the spacer cable installation (completed in Q4 2021), there was a reduction in outages in all years following the rebuild project (0 for 2022 and 2023 so far). Additionally, the nearby bare wire circuit experienced a total of 12 outage events in 2022 and 2023 (as of January 2023). While certainly not conclusive or representative of a clear trend, the data does support that potential impact spacer cable can have on outage frequency.

A further analysis into outage causes for each circuit at the time of spacer cable installation was performed and included in Table CC-16 below. The table shows the spacer cable experienced 0 outages in 2022 and 2023 (as of January 2023) for all risk drivers. However, for the bare wire circuit, there was a total of 12 outages across all risk drivers, with trees being the main driver in 2022.

Table CC-16
PacifiCorp Risk Drivers for Bare Wire and Spacer Cable Circuits (2021 – present; Asterisk (*) indicates the year spacer cable was installed)

Year:	Risk Drivers:	Bare Wire Circuit:	Spacer Cable Circuit (Q4 2021):
2021	TREES	2	0 *
2021	LOSS OF SUPPLY	0	4 *
2022	TREES	4	**0**
2022	INTERFERENCE	2	**0**
2022	PLANNED	2	**0**
2023	TREES	2	**0**
2023	WEATHER	2	**0**

While promising, this analysis is neither conclusive nor representative of a clear trend. Additionally, this individual analysis may not be representative of macro trends. The circuit that has the spacer cable is

installed on only 6.1 miles which serves only 12 customers and has been in place since Q4 2021. Furthermore, PacifiCorp believes that determining the long-term effectiveness of CC, both in its ability to reduce wildfire risk and PSPS impacts, requires additional data and time. At a minimum, a longer history of outage data would be necessary to fully understand the impacts of the spacer cable.

BVES

BVES has approximately 211 circuit miles of overhead conductor between 34.5 kV and 4.16 kV in its system. BVES started a CC pilot program in Q2 2018 and completed it in Q3 2019 using two different types of cover conductor wires (394.5 AAAC Priority wire and 336.4 ACSR Southwire). Then BVES started the cover conductor WMP in late 2019 with a plan to cover 4.3 circuit miles on 34.5kV over the next 5 years and 8.6 circuit miles on 4.16 kV over the next 10 years. As of the end of Dec. 2021, BVES has covered approximately 21.1 miles between its 34 kV and 4 kV systems. BVES' average span length is approximately 150 feet and installing CC on cross arms. As part of its CC program when there are spliced locations, BVES installs premade cold shrink kits (3M) and installs avian protection (raptor protection/wildlife guard).

Based on benchmarking with other utilities' estimated effectiveness against ignition risks, discussions with its CC supplier, and the short amount of time that it has installed CC, BVES continues to believe that the estimate of effectiveness on ignition risk drivers in its service area is approximately 90%. As BVES installs more CC and gathers more historical data, it will continue to assess the estimate of effectiveness. BVES presents its estimated effectiveness in Table CC-17 below.

Table CC-17
BVES Covered Conductor Mitigation Effectiveness Estimate

Ignition Risk Driver	**Percent Reduction**	**Discussion (Contacts on Cover Conductor cable)**
Vegetation Contact	90% +	Vegetation contact on 1, 2, 3 phase and/or neutral wire.
Animal Contact	90% +	Animal contact on 1, 2, 3 phase and/or neutral wire.
Balloon Contact	90% +	Balloon contact on 1, 2, 3 phase and/or neutral wire.
Wire down contact	90% +	Due to the following: tree/tree limb fallen on line, car hit pole, wind gust, etc.
Vehicle Contact	90% +	Vehicle Contact due to wire down on vehicle.
Wire to Wire Contact	90% +	Due to the wind gust forces causing tree/tree limb fall on line or just wire to wire contact.

Splice location contact	90% +	BVES installs Avian protection/raptor protection/wildlife guards and uses premade cold shrink kits (3M) on splice locations.
Vandalism/Theft	90% +	In BVES' service area there is a low risk of conductor theft as well as vandalism. If vandalism occurs, Ex. damage from "gunshot" to the conductor covering installed.
Lightning Contact	90% +	During raining seasons, sometimes encounter a good amount of lightning strikes in BVES' service area. BVES using priority covered conductor (flame resistant) cable.
Third Party	90% +	Third party including contact from joint use, boom arms, etc. should be mostly mitigated with covered conductor cable.
Flame Propagation along the covered conductor	90% +	Caused by Lightning or other.
Flame particle dripping	90% +	Caused by Lightning or other.

Liberty

The CC mitigation estimated effectiveness values for the various ignition risk drivers in 2023 remain unchanged from values in Liberty's 2022 WMP report update. The estimated effectiveness ranges from 95% for vegetation contact risk driver to 15% for lightning risk driver.

Next Steps:

As detailed above, the utilities estimate the effectiveness of CC between approximately 60 and 90 percent. In 2023, the utilities will continue to meet on a regular basis to discuss estimated effectiveness methods, data and calculations. The utilities will learn from the testing, and recorded results and collaborate to improve each utilities' understanding and approach to estimate effectiveness. The utilities will also discuss opportunities to align data and methods for greater comparability and will document any lessons learned.

PSPS:

Introduction:

In the 2022 WMP Update report, the utilities described their general PSPS approach and how a CC system can reduce PSPS impacts, and provided an assessment of alternatives and their ability to reduce PSPS impacts compared to CC. As described in the 2022 WMP Update report, only SCE has increased PSPS thresholds for fully-isolatable circuit-segments that are covered in comparison to bare conductor. Other utilities, such as SDG&E, informed that circuits with CC could likely withstand higher wind speed tolerances; however, more real-world experience and studies would be required prior to increasing PSPS thresholds. As SDG&E completes construction and obtains this data, it will inform wind-speed tolerances

for PSPS. Below, the utilities describe its efforts to better understand the ability of CC and alternatives to reduce the impacts of PSPS as well as plans for 2023 to further this effort.

Summary:
In 2022, the utilities continued to meet and discuss CC and its ability to reduce the impact of PSPS. No utility made changes, per descriptions in last year's report, to their general PSPS practices and thresholds in 2022. The utilities did discuss studies being considered to further assess CC and other mitigations in their ability to reduce the impact of PSPS. Additionally, the utilities have recently discussed the testing results in relation to reducing the impact of PSPS. For example, SCE described how the testing results can provide boundary conditions/limits that enable more granular analysis. While other data such as improved understanding of local hazards are needed to fully inform of potential changes to PSPS thresholds, the testing results can help enable analyses that could provide additional benefits like changes in PSPS de-energization thresholds. SCE and SDG&E will be conducting studies to investigate different aspects and conditions of CC and local conditions to further inform potential changes to PSPS de-energization thresholds. Additionally, and as identified in the Testing workstream, the utilities will discuss the results of the testing in relation to PSPS de-energization thresholds in the testing workshops.

Next Steps:
In 2023, the utilities will assess new technologies in their ability to reduce PSPS impacts as part of the New Technology workstream. Additionally, the utilities will discuss the testing results to further inform PSPS de-energization thresholds as part of the testing workshops. The utilities will also regularly meet to assess the status of related studies and discuss any changes to PSPS practices. If changes to PSPS de-energization thresholds are made and/or to general PSPS practices, the utilities will document any lessons learned.

Benchmarking:
In 2021, the utilities benchmarked with utilities around the world to improve its understanding of CC deployment and applications. A survey was sent to over 150 utilities around the globe. In total, 19 utilities participated in the benchmarking survey. The survey consisted of 24 questions that focused on CC usage, performance metrics, conductor applications, and system protection. While a limited number of utilities responded (compared to the outreach), the benchmarking survey provided helpful information on CC deployment and performance metrics. This information supported the utilities understanding of the benefits of CC including reliability and safety improvements and wildfire risk reduction. The utilities did not conduct additional benchmarking outside of this joint IOU effort in 2022. In 2023, the utilities will develop a new survey that accounts for results from the testing workstream, learnings from the M&I best practices and new technologies workstreams, and other information that becomes available. The utilities will deploy a new survey in Q3/Q4 2023. Based on the results of the survey and the collaboration and learnings from the other workstreams, the utilities will look to continue to benchmark over this WMP period.

Costs:
Introduction:
In the 2022 WMP Update filings, the utilities presented an initial capital cost per circuit mile comparison of installation of CC and described the types of costs incurred, cost accounting methods, and the factors

that can drive CC costs higher or lower. The utilities demonstrated that based on each utilities' CC / system hardening program, costs are relatively comparable taking into account each utilities' resources, scope, and operational constraints. Since the 2022 WMP Update, the utilities have continued to meet and discuss CC unit costs and undergrounding unit costs. Below, the utilities provide an updated CC capital cost per circuit mile, initial undergrounding unit costs, and plans for 2023.

Updated Covered Conductor Capital Cost Per Circuit Mile:
The utilities have prepared an updated capital cost per circuit mile comparison of the installation of CC. To construct this unit cost comparison, the utilities used the same six cost categories presented in the 2022 WMP Update filings including labor, material, contract, overhead, other, and financing.[319] These cost categories are intended to capture the total capital cost per circuit mile of CC installations. For purposes of this report, the utilities obtained recorded and/or estimated costs for construction that occurred during 2022. Table CC-18, below, shows the current CC capital unit cost per circuit mile comparison across the six utilities.

Table CC-18
IOU Comparison of Covered Conductor Capital Costs Per Circuit Mile

Cost Components	SCE		PG&E		SDG&E		Liberty		PacifiCorp		BVES	
	Cost per Circuit Mile	%	Cost per Circuit Mile	%	Cost per Circuit Mile	%	Cost per Circuit Mile	%	Cost per Circuit Mile	%	Cost per Circuit Mile	%
Labor (Internal)	$ 9,000	1%	$ 130,000	16%	$ 321,000	22%	$ 117,000	10%	$ 18,000	2%	$ 18,000	2%
Materials	$ 132,000	19%	$ 151,000	18%	$ 84,000	6%	$ 73,000	6%	$ 218,000	28%	$ 360,000	49%
Contractor	$ 383,000	56%	$ 394,000	48%	$ 303,000	21%	$ 857,000	70%	$ 446,000	57%	$ 300,000	41%
Overhead (division, corporate, etc.)	$ 141,000	20%	$ 140,000	17%	$ 355,000	24%	$ 163,000	13%	$ 50,000	6%	$ 60,000	8%
Other	$ 14,000	2%	$ 3,000	0%	$ 317,000	22%		0%	$ 25,000	3%		0%
Financing Costs	$ 9,000	1%	$ 8,000	1%	$ 71,000	5%	$ 10,000	1%	$ 21,000	3%		0%
2022 Total	$ 688,000	100%	$ 826,000	100%	$1,451,000	100%	$ 1,220,000	100%	$ 777,000	100%	$ 738,000	100%

As illustrated in Table CC-18, the 2022 CC capital cost per circuit mile ranges from approximately $688 thousand to approximately $1.45 million. While not a true comparison, because the figures are in nominal dollars, the 2022 unit cost range is similar to the 2021 unit cost range of approximately $565 thousand to approximately $1.5 million. As discussed in the 2022 WMP Update report, the capital cost per circuit mile for CC can vary due to multiple factors such as type of CC system and components installed, terrain, access limitations, permitting, environmental requirements and restrictions, construction method (e.g., helicopter use), amount of poles/equipment replaced, degree of site

[319] Labor represents internal utility resources, such as field crews, that charge directly to a project work order. Materials include conductor, poles, etc. that get installed as part of a project. Contract represents all contractors, such as field crews and planners, and consultants utilities use as part of their CC programs. Overhead represents costs, such as engineers, project managers and administrative and general, that get allocated to project work orders. Other represents costs such as land fees, permit fees and costs not assignable to the other categories. Financing represents allowance for funds used during construction (AFUDC) which is the estimated cost of debt and equity funds that finance utility plant construction and is accrued as a carrying charge to work orders.

clearance and vegetation management needed, and economies of scale. Below, the utilities describe any changes to their cost make-up and the factors that contribute to the cost changes from 2021.

Initial Undergrounding Capital Cost Per Circuit Mile:
PG&E, SCE and SDG&E have prepared an initial capital cost per circuit mile comparison of the conversion of overhead conductor to underground. Liberty and BVES are not installing undergrounding as part of their wildfire mitigations. PacifiCorp has only installed one half of a mile so does not have sufficient recorded data to add; however, PacifiCorp is installing undergrounding projects over this WMP period and thus unit cost data will be assembled once more undergrounding is installed. Similar to the construction of the CC unit cost comparison, the utilities organized their capital costs (and/or estimates) into the same six cost categories. These cost categories are intended to capture the total capital cost per circuit mile of undergrounding. For purposes of this report, the utilities obtained recorded and/or estimated costs for construction that occurred during 2022. Table CC-19, below, shows the initial undergrounding capital unit cost per circuit mile comparison across the three large utilities.

Table CC-19
SCE, PG&E and SDG&E Comparison of Undergrounding Capital Costs Per Circuit Mile

Cost Components	SCE		PG&E		SDG&E	
	Cost per Circuit Mile	%	Cost per Circuit Mile	%	Cost per Circuit Mile	%
Labor (Internal)	$ 25,000	1%	$ 231,000	9%	$ 45,000	2%
Materials	$ 417,000	19%	$ 271,000	11%	$ 165,000	7%
Contractor	$ 1,201,000	56%	$ 1,665,000	66%	$ 1,754,000	71%
Overhead (division, corporate, etc.)	$ 438,000	20%	$ 247,000	10%	$ 417,839	17%
Other	$ 35,000	2%	$ 63,000	3%	$ 14,654	1%
Financing Costs	$ 29,000	1%	$ 31,000	1%	$ 77,756	3%
Total	$ 2,145,000	100%	$ 2,508,000	100%	$ 2,474,739	100%

As illustrated in Table CC-19, the 2022 undergrounding capital cost per circuit mile ranges from approximately $2.03 million to approximately $2.51 million. The capital cost per circuit mile for undergrounding across the three utilities is remarkably consistent given that undergrounding costs typically have a much larger cost range than CC. Similar to CC, undergrounding costs vary due to multiple factors such as type of undergrounding system and conductor, terrain, access limitations, route changes, permitting, environmental requirements and restrictions, construction methods, and economies of scale. Below, SCE, SDG&E and PG&E describe the make-up of their undergrounding capital costs and the factors that contribute to the cost differences.

SCE

CC Unit Cost Make Up:

The 2022 CC costs are based on work completed in 2022. Some projects completed in 2022 have incurred costs from prior years. SCE's unit cost is based on the average cost of nine different regions within SCE's service area. SCE's unit costs are typically presented as direct costs only (exclude corporate overheads and financing costs). For purposes of this report, SCE has added corporate overheads (to the overhead cost category) and financing costs to its direct unit cost for comparison with the other utilities. SCE continues to use two CC designs, a 17 kV and 35 kV CC with multiple ACSR and copper conductor sizes.

In 2022, SCE did make a change to its WCCP construction standard by adding the replacement of open wire secondary or weather-resistant aluminum (OWS or WAL) with multiplex secondary conductors; however, this change is not anticipated to show up in the unit costs until 2024. No CC projects completed in 2022 included replacement of secondaries. SCE estimates, on average, replacing secondaries will cost approximately $60 thousand per circuit mile.

CC 2022 Cost Changes:

Using the nominal amounts of the 2021 and 2022 unit costs, SCE experienced an approximate 16% increase. The primary drivers of this increase include a combination of a larger percentage of work in the Rural region, e.g., the Arrowhead District, and contractor rate increases. Work in higher elevations in rugged areas tend to take longer, increasing contract labor costs. This increase coupled with higher contractor rates were the main cost drivers. Additionally, SCE experienced material and supply price increases. Also, in 2022, SCE began to use SCE labor in some regions.

Undergrounding Cost Make up:

The 2022 undergrounding costs are based on work completed in 2022. Projects completed in 2022 have incurred costs from prior years. SCE's unit cost is based on approximately 14 miles of undergrounding. The 14 miles of undergrounding had a low level of difficulty and did not include secondaries or services. A low difficulty level means the terrain was relatively flat, there was less civil construction due to existing infrastructure, and there were none to minimal re-routing required. SCE anticipates higher costs in future unit cost assessments because the projects will have a mix of low to high difficulty.

Undergrounding Cost Drivers:

For undergrounding projects, SCE leverages its Integrated Wildfire Mitigation Strategy consequence model, which defines the most severe locations in SCE's HFRA. These are locations that meet one or more of the following characteristics: 1) egress constrained, 2) burn-in buffer, 3) 10,000+ acres burned at 8 hours, 4) extreme high wind areas, and 5) communities of elevated fire concern. The costs to underground in these areas can vary significantly. Below, SCE describes several cost drivers that could lead to increased costs.

Construction – in various types of terrain, geography, topography, and population density. Different levels of difficulty in construction can significantly impact the costs. For example, a low difficulty level project that includes straight/minimal bends and minimal re-routing will likely be a lower cost compared to a high difficulty level project, which can have rocky, hilly terrain requiring significant re-routing.

Additionally, any unanticipated changes in design after release can impact costs. For example, sometimes, during construction, a trench is not able to be constructed due to other infrastructure already there (an outcome of outdated basemaps). In this type of circumstance, the planning department would re-design the route including seeking agency feedback which would take additional time to complete and impact schedule and costs.

Permitting and environmental clearances – acquiring permits, resolving land rights and agency requirements, and curing cultural discoveries can be a lengthy process. The number of permits, the types of permits, the amount of land right issues that need to be resolved, and the types of cultural discoveries can increase the costs of a project.

Labor type and resource availability – Both civil crews and QEW electrical crews are required and using internal SCE labor versus contract labor may impact costs.

Additionally, delays can occur due to weather (e.g., rain/snow, RFW days, etc.), supply chain constraints, permit requirements, and environmental constraints (e.g., nesting birds), which can also increase costs.

PG&E

CC Unit Cost Make Up:

PG&E's unit cost analysis is based on completed projects. Projects are defined by circuit and span. Costs are recorded using SAP software. Of the 335 miles used to analyze the unit cost, these were projects that were marked completed in 2022. Some of the mileage may have been constructed in previous years. Five of the miles were fire rebuild, which typically have a lower unit cost. 329 miles completed were regular system hardening work and one mile was classified as other.

Costs were organized per the six main categories agreed upon with the other utilities. 200 miles were constructed using external crews, categorized as Contract and 135 miles were constructed using Internal labor, categorized as Labor.

PG&E's Overhead Hardening (CC Installation) scope achieves risk reduction through these foundational elements: bare primary and secondary conductor replacement with covered equivalent, pole replacements, non-exempt equipment replacement, overhead distribution line transformer replacement, framing (composite crossarms and insulators) and animal protection, and vegetation clearing.

CC Cost Drivers:

PG&E's CC installation costs are driven by these key contributors:

CC Cost and Impact Driver changes for 2022:

For PG&E, unit costs have steadily decreased for the Overhead System Hardening program, that includes CC, into 2022. Major cost drivers include a decreased volume of vegetation impacts on overhead hardened lines and unit cost RFPs (request for proposals) to stabilize contract pricing.

It is likely that these unit costs have mostly leveled off and will only increase due to inflation and economic pressures as this program continues.

Continued costs for PG&E are labor costs, both internal and external (contractor) costs.

For impact drivers to CCs, PG&E is continuing to utilize a combination of undergrounding and microgrids as the primary system hardening effort to reduce wildfire risks. Where these efforts are less feasible,

PG&E may use CC as a wildfire mitigation tool for Overhead System Hardening. As PG&E continues undergrounding efforts and finds additional areas that are prohibitive to the undergrounding program, PG&E may increase CC use for those specific areas.

Undergrounding Cost Make up:
PG&E's unit cost analysis is based on completed projects with costs recorded in our SAP software. Of the 76 miles used to analyze the unit cost, these were projects that were marked completed in 2022. Some of the mileage may have been constructed in previous years, 46 of the miles were fire rebuild, which typically have a lower unit cost, and 30 miles completed were regular system hardening work.

Costs were organized per the six main categories agreed upon with the other utilities, 53 miles were constructed using external crews, categorized as Contract, and 23 miles were constructed using internal labor, categorized as Labor.

Undergrounding Cost Drivers:
In executing the System Hardening program, PG&E first uses a scoping criterion that identifies the highest risk areas, and then selects the appropriate risk mitigation approach for that circuit which may include undergrounding, remote grid installation, line removal, or overhead hardening (depending on the local circumstances). Since late 2021, PG&E has prioritized undergrounding as the preferred approach to reduce the most system risk. Once a circuit is selected for undergrounding, PG&E evaluates each proposed circuit segment quantitatively and qualitatively to mitigate the maximum amount of risk and evaluate feasibility and executability. Potential cost drivers can include:

Any of the above considerations may create delays or complexities that can impact the scope, cost, and schedule of undergrounding projects.

Furthermore, undergrounding projects are executed in multiple stages once the circuit segment has been identified based on the criterion described above for undergrounding:

As projects move through each stage, schedule certainty improves. Project schedules can change at any time from project dependencies, which may cause specific projects to move across years. Generally, if a project is not completed during the year that it was originally targeted for completion, it will continue through all the job phases and be completed in a subsequent year.

PG&E works closely with customers, governments, agencies, tribes, and regulatory officials to manage these issues within the program to minimize delays and optimize the efficiency of projects wherever possible.

SDG&E

CC Cost Make Up:

Each project goes through a six-stage gate process as follows:

Stage 1 – Project Initiation (duration ~1-3 months)

Stage 2 – Preliminary Engineering & Design (duration ~6-9 months)

Stage 3 – Final Design (duration ~3-5 months)

Stage 4 – Pre-Construction (duration ~1-2 months)

Stage 5 – Construction (duration ~3-4 months)

Stage 6 – Close Out (duration ~6-12 months)

The total duration of a project has an estimated duration of approximately 20 to 35 months.

SDG&E's CC per mile unit capital costs is made up of the following six major cost categories:

CC Cost Drivers Update:

Costs can vary significantly from project to project for a variety of reasons, including engineering and design, land rights, environmental, permitting, materials, and construction. Below is a description of these factors and why the costs can vary from project-to-project.

Engineering & Design:

SDG&E collects LiDAR (Light Imaging Data and Ranging) survey data before the start of design and again after construction is completed. During the LiDAR data capture, other data including photos (i.e., ortho-rectified images of the poles and surrounding area, and oblique pole photos), and weather data is acquired. After collection of the raw LiDAR and Imagery data, it is processed to SDG&E's specification and includes feature coding and thinning of the LiDAR data, and selection and processing of the imagery data. The entire process for delivery to SDG&E's specification can take weeks to months depending on the size of the data capture. This LiDAR data capture is used to support the base-mapping, engineering, and design processes (Stage 1 and Stage 6).

Currently, the engineering and design of all CC projects are conducted by engineering and design consultants, and their deliverables are reviewed by a separate Owner's Engineering (OE) consultant to ensure compliance with SDG&E standards and guidelines. At this time, SDG&E does not have the resources to conduct the engineering and design required at this scale of work; however, there are assigned SDG&E full time engineering staff that provide oversight of all engineering and design consultants, including the OE. The engineering component of work relates to the structural analysis,

including Power Line Systems – Computer Aided Drafting and Design (PLS-CADD) modeling, foundation calculations, or geotechnical studies. The design component includes the drafting, entering design units into SAP for material ordering and costing system, and building the job packages that are sent to construction. In some cases, one consultant can perform both the engineering and design function, and in others cases an engineering consultant collaborates with a design consultant. In all cases, SDG&E's Owner's Engineer will perform both engineering and design review support. Costs from consultants can vary depending on the size and complexity of the project, and due to various other factors including environmental constraints, land constraints, permitting requirements, or scoping changes that can occur from the start of design and throughout construction. The design stage (i.e., start of design to issuance of job package to construction) typically takes anywhere from six months to two years depending on the size and complexity of the project and the challenges with acquisition of land rights, environmental release, and/or permits. In some cases, our environmental releases cannot be released until we receive the permit from the agency as they may require additional environmental measure to be placed on the work and will need to be outlined in the environmental release.

SDG&E requires every pole be engineered using PLS-CADD software during the design phase and the post-construction phase. This software allows SDG&E to leverage LiDAR survey data (pre- and post-construction) and AutoCAD drawings, and to design the poles, wire, and anchors to meet General Order (GO) 95 Loading (Light and Heavy Loading) and Clearance Requirements, as well as to meet Known Local Wind requirements (e.g., 85 mph and in some cases 111 mph wind). SDG&E also requires its engineering and design contractors who use PLS-CADD software to have a California-registered Professional Engineer review and approve the final PLS-CADD model.

Land and Environmental**:**
SDG&E requires all projects to go through a land and environmental review process at each stage of the design process. These processes are predominantly supported with the help of land management and environmental service consultants but are overseen by SDG&E representatives in each respective department. The land process includes research of our land rights, interpretation, and may include support obtaining the proper land rights when required. Through the land rights design review process, SDG&E determines the land ownership of facilities (e.g., poles and wire) to determine if the scope of work is will stay within existing land rights or if new/amendment land rights would be necessary. These results are shared with the engineering, design, and environmental teams. Once the land rights are determined, environmental performs an assessment, determines the environmental impacts if any, and provides input to the design process to minimize and/or avoid environmental impacts. These land and environmental reviews can drive changes to the design and add time and cost to the project. For example, in many cases, SDG&E does not have the land rights to build the overhead CC design within its existing easement, or in some cases it only has prescriptive rights. In those cases, SDG&E has to amend or acquire the proper land rights, or redesign the project, if possible, to stay within the land and/or environmental constraints. If acquiring or amending land rights is required, this can take weeks to months depending on the property owner (e.g., private, BIA, State, Federal, or Municipality) and the level of change to the existing conditions.

Materials:
SDG&E's philosophy with CC, like SCE, is to install it in an open-crossarm configuration. In this configuration, the conductor is self-supporting and attached to insulators on crossarms at the structure.

Where connections are necessary, insulation piercing connectors (IPCs) are used to avoid stripping the wire and causing damage to the conductor and negating the need to wrap the connection with insulating tape. SDG&E also requires the use of vibration dampers, where necessary, to mitigate conductor damage due to Aeolian vibration. SDG&E replaces most wood poles to steel, and in some cases replaces existing steel poles if they are not adequate to support the new wire (e.g., inadequate clearance and/or mechanical loading capacity). In many cases equipment is replaced during these reconductor projects if it is older, is showing signs of failure, and/or needs to be brought up to current standards. The reason to replace wood poles with steel is due to several reasons, including the fact steel is more resilient to fires than wood and is seen as a defensive measure, steel is a man-made material and the strength and dimensions are consistent and have much smaller tolerances than wood, and because many of SDG&E's wood poles are over 50 years old. In some cases, SDG&E may also need to relocate the pole line to an area where it is more accessible to build and maintain but will require obtaining a new easement. SDG&E also replaces wood crossarms with fiberglass crossarms, insulators with polymer insulators, and replaces switches and regulators as necessary. For transformers, SDG&E developed specific criteria for replacement. A transformer will be replaced if it is internally-fused regardless of age, if it's greater than 7 years old, if it has visual defects or damage (leaks, burns, corrosion, etc.), is less than 25 kVA, or if the transformer does not pass volt-drop-flicker calculation. SDG&E also replaces secondary wire that is either open (non-insulated) or "grey wire" (covered secondary wire where the insulation is grey in color). On most projects, there is a smaller underground job associated with the overhead work. This typically occurs when a pole feeds underground (aka a Cable or Riser Pole) and the new pole location may be too far from the existing position such that the existing cable, conduit, and terminations may not reach the new pole position. In these cases, a small underground job will be initiated to have the crews intercept the run of underground conduit, install a new handhole, install a new run of conduit and cable to the new pole location, and splice the cable in the new handhole to make the connection to the existing underground system.

In 2021 and 2022, SDG&E experienced material supply chain issues, with CC materials as well as materials common to bare and CC. These supply chain issues were the result of various factors including impacts from COVID-19. In the case of CC, SDG&E currently sources the conductor from multiple suppliers; however, the associated materials such as piercing connectors and clamp dead-ends come from one supplier out of Europe and experienced significant delivery delays due to COVID-19 and issues with US Customs paperwork in 2021. In 2022 SDG&E had material delays with secondary conductor, 10 ft fiberglass guy strain insulators, transformers, guy grips, and fiberglass crossarms. SDG&E also experienced delays receiving other material due to COVID-19 supply chain disruptions and competition for the same materials used by other utilities including transformers and other materials common to various utilities across the country. Material delays can cause construction delays or cause construction to work less efficiently, thus impacting project schedules and costs. To mitigate material delays SDG&E's engineering and design team, as well as suppliers, work together to provide long term forecasting and ensures materials are ordered with enough lead time to receive the materials in time for construction, and when necessary, substituting material.

Construction:
One of the most significant variables, and most difficult to predict, is the civil portion of construction. The civil portion of a project includes the pole hole, anchor, and handhole digging and can vary significantly depending on several factors including accessibility (truck accessible versus non-truck

accessible), soil conditions (rock versus soft soil), methods of digging (hand tools versus machine), and environmental constraints that may limit the method of digging or access protocols. For example, a 0.7 miles project completed a couple of years ago was on the side of a steep mountain side and all the material, equipment (pneumatic drill and hand tools), and crews had to be flown in and out every day for months. The civil crews encountered significant rock at most locations and the spoils from the digging had to be flown out due via helicopter to environmental concerns rather than spreading the spoils on location. Each pole and anchor were back-filled with concrete using helicopters because of the slope of the mountain and due to the significant mechanical loading due to winter storms (wind and ice loading). In contrast to this mountain side project example, SDG&E has had other projects that are truck accessible, that do not require concrete backfill and allow the spoils to be spread out on location.

Another reason costs can vary significantly from project to project is due to the time of year and location. SDG&E often deals with elevated fire weather conditions which requires a dedicated fire watch crew to be present at each location where there is work happening that can pose a fire risk. In some cases, SDG&E has multiple dedicated fire watch crews on a project as there may be multiple civil and electric crews working at different locations at the same time on the same project. Some locations are also so remote that the drive time from the staging yard to the site can take a significant amount of time out of each workday that the crew may work longer hours and/or over the weekend, including Sundays, thus increasing overtime hours for the construction crew and all other support services (e.g., traffic control, environmental monitors, etc.). In some cases, generators are used due to the remote nature of some customers and the lack of ties with other circuits in SDG&E's service area. Generators require special protection schemes, equipment, and resources to adequately plan, deploy, setup, monitor, and tear-down which increase the installation costs.

Lastly, construction costs can vary depending on the crew building the project and issues encountered during construction that were not anticipated during design. SDG&E currently uses four primary construction contractors who perform the electrical construction and typically sub-contract the civil work (e.g., pole hole, anchor, handhole digging), helicopter, traffic control and dedicated fire watch. SDG&E also uses internal electric construction teams who typically contract out the helicopter, traffic control, dedicated fire watch and civil work (pole hole and anchor digging). Based on SDG&E's experience with its traditional hardening program, in 2023 it is estimated that 50% of the construction work costs will be performed by contractors and 50% by internal crews. The costs between external and internal crews can vary depending on the work scope, location (rural versus very rural), methods of construction (e.g., truck accessible versus non-truck accessible), time of year (e.g., fire season and non-fire season, and wet versus dry conditions), and issues encountered during construction. Larger projects (typically 20 or more poles) that are not assigned to an internal crew are sent out to bid with the three prime electrical construction contractors and are often bundled with other projects on the same circuit to gain economies of scale. SDG&E has determined that its ideal bid size is 100-200 poles; however, some bids have been significantly greater and some can be much smaller. The size of bids can change significantly depending on the location of a project, time of year, and schedule of the project. SDG&E has seen changes with pricing due to competition for construction resources with the other utilities in the state and this can drive-up costs depending on the volume of work and timing with other projects statewide.

PacifiCorp

CC Unit Cost Make Up:

For purposes of this comparison, PacifiCorp has again aligned its costs into the six major categories. No changes were made in 2022 related to how costs are organized into the six main categories. PacifiCorp is basing the cost per mile on ten projects totaling about 33 miles of primarily spacer cable. These projects were placed in service during 2022; however, design, material procurement, permitting, and some construction may have taken place prior to 2022.

CC Cost Drivers:

PacifiCorp has identified eight main cost drivers for the installation of CC. The cost drivers are discussed below in terms of cost increases that have been experienced, highlighting how impactful these components can be on the overall project cost.

Access: PacifiCorp includes costs for required access to facilitate project construction in projects charged to the work order. These costs may include vegetation clearing, road construction, or other site preparation activities. These costs will typically be included in the contractor total for purposes of this cost analysis as this work is predominantly contracted. Additionally, these costs can also range significantly between projects based on the specific location and terrain where work is conducted. Projects that include significant off-road scopes tended to be most impacted, though this is somewhat offset by limited flagging costs.

Pole Replacement: PacifiCorp evaluates all poles for strength and clearance using PLS CADD on spacer cable projects. Poles are then selected for replacement for the following reasons: insufficient strength to accommodate CC, insufficient minimum clearance, relocation is required, or not constructible in the current state. Projects completed in 2022 averaged 25 poles per mile due to projects with larger conductor sizes, short spans on in-town projects, and two projects designed for double circuits. Additionally, nearly all poles identified are replaced with non-wood fire resistant materials (predominantly fiberglass) at a greater cost than like-for-like replacement with wood.

Construction Labor: In 2022, PacifiCorp continued to receive higher bid prices. Contractors reported needing to include incentives to attract adequate labor to complete projects. Increases in construction labor costs were the single largest driver in project cost increases. As of January 31, 2023, PacifiCorp has awarded approximately one third of the 2023 planned construction work scope and is forecasting that these higher costs will continue.

Post Construction Inspections: In 2022, it was recognized that the total amount of construction exceeded the capacity of internal staff to adequately inspect as the construction was taking place. Based on this, external construction inspectors have been hired to monitor construction, while it is taking place, and complete a formal inspection of each line segment as it is placed into service. While this comes at a higher cost per line mile, it assures that the completed project matches the design. This will be on ongoing addition to project costs.

Permitting: As included in the company's 2021 Change Order, significant cost increases have been experienced for locations requiring access into seasonal wetlands and transmission under build projects.

Future projects include environmentally sensitive areas that have been in NEPA or CEQA review with high environmental review costs. Additionally, projects scheduled for completion in 2023 have required cultural monitors for all ground disturbing activities and several re-designs to accommodate changes in current infrastructure layout requested by permitting agencies.

Materials: PacifiCorp experienced material cost increases on most commodity materials in 2022; however, this impact was limited for the group of projects in this analysis as much of the material was on order prior to 2022. Projects scheduled for completion in 2023 are expecting to experience more impact from these cost increases.

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Internal Labor and Overhead: Internal labor increased on a per mile basis while overhead costs decreased. This is largely driven by a shift in staff charging directly to projects they are working on rather than an overhead account. These should be viewed largely as offsetting cost shifts.

Design Type: In 2022, PacifiCorp rebuilt approximately 7 miles of overhead distribution lines with CC. While there are many factors impacting the projects overall costs, a cursory review indicates a lower cost per mile as compared to spacer cable, generally attributed to the lower cost of materials, shortened project timeline, and reduction in engineering and design requirements. However, some of these costs are offset by the increase in pole replacements required with using a more standardized product. Based on this one project, PacifiCorp expects that CC could be a cost-effective option in many locations but requires more experience to understand the cost variability.

Based on the cost drivers discussed above, PacifiCorp anticipates higher costs for projects in 2023 and beyond.

Bear Valley

CC Unit Cost Make Up:

BVES continues to contract out most of the work with an internal Field Inspector overseeing the whole project. The design consists of our contractor performing field visits, wind loading calculations, developing the design and assembling the material lists. BVES purchases the materials and its contractor does the construction. The overhead costs consist of BVES internal groups. The capital cost per circuit mile are based on a double circuits' area in 2022.

CC Cost Drivers:

CC unit costs decreased in 2022 compared to 2021. A higher percentage of poles were installed which support both 34.4 kV and 4 kV CC lines. These double circuit lines reduce installation and material costs. In addition, the construction crews have gained more experience installing CC and are more efficient.

Liberty

CC Unit Cost Make Up:

Liberty's CC program is still relatively new and limited in scope compared to the large utilities. Liberty first piloted CC projects in 2020 in select areas that already needed line upgrades because of asset age and condition, and later focused on projects that targeted short line segments in HFTD areas, had reliability issues, and were in remote areas. An average of recent CC projects amounted to less than one circuit mile per project and only a total of 20 miles of CC were installed over the last 3 years. Liberty's CC work is

substantially less than, for example, SCE's approximate 1,000+ miles of CC installed each year. Liberty's CC unit costs vary depending on terrain, number of poles replaced, type of conductor installed, project design and permitting requirements, and amount of vegetation management work required for the job order. Liberty used the same cost categories as described in the 2022 WMP Update report and did not make any major changes to its CC program.

CC Cost Drivers:

Liberty's project life cycle ranges from 18-36 months depending on project scope and permitting complexity. There are many factors that may impact the total project life cycle and costs, including permitting and environmental requirements, easements, geography and terrain, and construction resource availability. Contractor costs for construction in its service area are a major cost driver for Liberty. Projects typically take longer to construct because of the mountainous terrain and require more costly construction methods like helicopter use and hand digging. Other cost factors include permitting, weather, and environmental restrictions that limit scheduling flexibility and reduce productivity, causing construction costs to increase.

Conductor Type: Liberty has two CC designs that vary depending on project site access and terrain. These include 14.4 kV delta Aerial Spacer Cable (ACS or spacer cable) and CC solutions at this voltage level. In addition, because some of Liberty's service area includes 12.5 kV grounded Wye system, Liberty has piloted the use of CC. Liberty selects the two different system options based on the installation and maintenance of the two solutions.

The ACS solution has two or three covered conductors supported by a steel messenger. The framing for ACS includes brackets that hold the messenger under tension and for the current carrying conductors at full sag or zero tension. Installing and maintaining spacers requires a bucket truck; however, if accessibility is an issue, crews may require a bosun's chair to access the line adding to the costs.

The covered conductor solution includes various sizes of covered wire such as a 1/0, 2/0, or 397 kcmil AAC. The ACS solution projects have installed 1/0 AA wire with 1-052 AWA messenger and 1/0 AAC with 6AW messenger. Covered conductor is installed with framing similar to bare conductor wire in an open-crossarm configuration for framing and installation. CC is the preferred solution in areas with limited bucket truck access. Conductors are sized based on circuit load for both solutions. Wind and ice loading are major concerns in the Liberty service area and do not utilize conductors smaller than 1/0.

Location: A vast majority of Liberty's service area is in HFTD Tier 2 and Tier 3. In the initial phases of its covered conductor program, Liberty selected areas of its service area based on local knowledge of the wildland/urban interface, locations of high fire threat districts, remoteness of overhead lines, and the age and condition of the infrastructure. Areas were also chosen based on their accessibility and egress options during an emergency. Most of Liberty's covered conductor projects are in Tier 2 and Tier 3 at elevations between 6,200 to 7,500 feet over rugged, rocky terrain with limited seasonal access. Projects typically utilize helicopter pole sets, and crews are tasked with digging pole holes with pneumatic tools by hand versus trucks with augers. Pole holes take days versus hours to excavate, increasing labor hours and costs.

Pole and Asset Replacements: Most of the covered conductor projects Liberty has designed and constructed have required a significant number of pole replacements per circuit mile. When replacing existing poles, Liberty uses taller and larger class poles. This is due to new loads and increased weights of the covered conductor, as well as the age of existing infrastructure. Projects include installation of poles, insulators, crossarms, anchors (rock anchors), down guys, transformers, and switches.

Economies of Scale: Liberty has limited contract resources available during its construction period compared to the larger IOUs that have replaced thousands of circuit miles with CC. Liberty's contract costs are higher on a per mile basis than those of large IOUs, given Liberty's ratio of miles installed as compared to IOUs with significantly more miles installed. This factor has likely contributed to Liberty's higher CC cost per circuit mile.

Construction: Liberty's primary construction window is May 1 to October 15 due to weather and Tahoe Regional Planning Agency (TRPA) dig season restrictions. The construction window also coincides with seasonal tourism, a high number of RFW days, and during the typical fire season that further limits construction efforts and effects costs. These restrictions also constrain resources and add a premium on labor during construction season.

Vegetation Management: Liberty's service area is in a high elevation and mountainous terrain that is densely forested, averaging over one hundred trees per mile within maintenance distance of the conductor, given recent LiDAR data. Vegetation management inspectors and tree crews often need to access work sites on foot while carrying tools and equipment, resulting in much higher labor costs compared to typical work areas. In addition, due to the robust tree canopy in the Tahoe region, tree crew cost per circuit mile of construction has increased significantly due to SB 247 labor rate increases. Tree removals and pruning costs are unique to Liberty's service area and will increase the overall CC project costs.

In 2022, Liberty experienced an approximate 20% decrease in CC costs compared to 2021. This cost decrease was mainly due to Liberty's use of internal construction crews instead of contractors in 2021. Additionally, 2022 projects required fewer helicopter pole sets and less hand-digging than 2021 projects.

Next Steps:
In 2023, the utilities will continue this workstream and further discuss and document CC recorded/estimated unit costs, undergrounding unit costs and cost drivers as well as assess adding initial unit costs for other alternatives. The utilities will also document any lessons learned.

Lessons Learned:
Introduction:
In the utilities' 2022 WMP Update decisions, Energy Safety identified an ACI for all utilities to provide goals and timelines for implementing lessons learned from the CC joint effectiveness study. Specifically, Energy Safety ordered all utilities to:

As described in the sections above, the utilities are sharing and documenting information and lessons learned, and are driving to understand if best practices, common methods, and greater comparability

can be established. Where utilities have made improvements based on this working group, they are described in the sections above. Importantly, consistent with the 2022 WMP Update filings, while not an objective of the working group, the utilities anticipated that there could be lessons to learn from one another such as construction methods, engineering/planning, execution tactics, etc. that could help improve each utilities' deployment of CC. Since the final decisions on the utilities' 2022 WMP Update filings and as part of each workstream meeting, the utilities have discussed whether or not there are lessons learned and if so, documented these and any plans the utilities have to implement those lessons. In the limited time the utilities have had in 2022 to meet this requirement, we have documented a few lessons learned; however, it is important to note that each utilities' CC program (the initial focus of this effort) had been previously established and was based on past benchmarking, research, testing, and lessons learned from other utilities including SCE (see, e.g. the Covered Conductor Compendium), i.e., many lessons learned were already incorporated into each utilities' CC program. Notwithstanding this, and considering the expansion of this working group, the utilities are committed to documenting lessons learned and plans to implement them.

Lessons Learned:
The utilities agree that it is helpful to share information, practices, and data across the utilities as this can lead to improvements in reducing wildfire risk, safety incidents, and the impacts of PSPS, and improvements with other utility objectives. In furtherance of this objective, and given that a simple table cannot provide the information in a readable format with the ACI requirements, the utilities describe their lessons learned for this working group by the required subject areas.

<u>CC Effectiveness Values</u>
Pursuant to the testing results and further analysis, SCE and PG&E modified their estimated effectiveness values for certain risk drivers since its 2022 WMP Update submissions and have implemented these changes. SDG&E refreshed its effectiveness analysis per previous methodology but have not yet incorporated the updated value in its decision making. SDG&E anticipates completing this by December 2023. Based on the other utilities' previous estimates, the testing results, and their own data, no changes to CC effectiveness values were warranted at this time. These changes are described above in the Estimated Effectiveness workstream. The changes to effectiveness values have and are being incorporated into RSE calculations which in turn will feed into the utilities' decision-making processes. These updated RSE calculations will also be incorporated into utilities' future filings such as RAMP, GRC, and as applicable the WMP. If additional changes are made to effectiveness values, the utilities will document those lessons learned.

<u>Data Sharing</u>
An update on data sharing across utilities on measured effectiveness of CC in-field and pilot results, including collective evaluation. The utilities have and continue to share information across all workstreams. During 2022, utilities provided updates on recorded effectiveness. These included presentations and overviews on data, dashboards, and areas of continued improvement. The utilities also discussed their CC efforts including any pilots and shared these experiences.

<u>Inclusion of REFCL, OPD, EFD, and DFA as alternatives, including for PSPS considerations</u>
As described in the New Technologies section of this report, the utilities will discuss and document data and methods that can be used to estimate the effectiveness of these technologies. This workstream is new and the utilities have identified a series of workshops to develop this workstream. To date, the

utilities have not documented any lessons learned or changes from 2021 or 2022 for inclusion of new technologies.

Cost Impacts and Drivers

As described in the Cost section of this report, the utilities have provided an updated CC capital cost per circuit mile and document the cost changes and drivers. As explained in last year's report, each CC project is unique and will have different costs. Additionally, there are many factors that can increase costs including, for example, economies of scale, the mix of work across regions and differing terrain, contractor rates, permitting, resource constraints, and environmental restrictions. In 2022, the utilities provided updates with one another on these costs through presentations and overviews including trends, material price changes, and other cost-related information. Please see the Cost section in this report for further details the changes in cost impacts and drivers from last year's report.

Changes made to initiative selection based on effectiveness and benchmarking across alternatives.

The utilities have not made changes to initiative selection based on this joint IOU effort. The data and information compiled has confirmed the utilities understanding that CC is effective at reducing wildfire risk and highly effective at reducing most contact from object and wire-to-wire risk drivers. The testing has also shown CC is effective at reducing other risk drivers as well. Should one or more utilities make changes to initiative selection as a result of this effort, we will document those lessons learned as well as plans to implement them.

Next Steps:

In 2023, the utilities will document all lessons learned across all workstreams and will develop plans to implement those lessons learned, as applicable.

Conclusion:

This joint IOU report provides descriptions of the progress the utilities have made to better understand the long-term effectiveness of CC and its ability to reduce wildfire risk and PSPS impacts (and, in comparison to alternatives) as well as CC M&I practices, new technologies, and lessons learned. The utilities have made progress on this effort and describe plans for 2023 to conduct a large number of workshops to further understand the data and analyses that have been compiled, identify best practices for CC M&I, assess new technology effectiveness and the sharing of practice and implementation strategies, and discuss methodologies that can be employed across all utilities to improve comparability. The utilities look forward to continuing these efforts in 2023 and providing future updates.

Appendix M
Routing Report

INSIGNIA ENVIRONMENTAL

SOUTHERN CALIFORNIA EDISON

CAL CITY SUBSTATION 115 KV UPGRADE PROJECT

ROUTING REPORT

MARCH 2022

PREPARED FOR:

SOUTHERN CALIFORNIA EDISON®
An *EDISON INTERNATIONAL*® Company

EXECUTIVE SUMMARY

This Routing Report (Report) documents and summarizes the results of the process used by Southern California Edison (SCE) to select route options for the two discrete required subtransmission lines that comprise the Cal City Substation 115 Kilovolt (kV) Upgrade Project (Project).

PROJECT BACKGROUND

Under the rules, guidelines, and regulations of the Federal Energy Regulatory Commission, North American Electric Reliability Council, Western Energy Coordinating Council, and California Public Utilities Commission, electrical transmission, subtransmission, and distribution systems must have sufficient capacity to maintain safe, reliable, and adequate service to customers. The Project has been developed to serve the forecasted demand for the Electrical Needs Area (ENA), which includes portions of California City and surrounding portions of unincorporated Kern County, and to provide a second 115 kV source line to Edwards Substation.

METHODS

The routing process included the following steps:

1. **Study Area Development:** The high-level scope descriptions for each alternative were reviewed and one study area was established to accommodate the required scope elements (i.e., subtransmission lines). The study area is depicted in Figure 2: Study Area Location Map of the Report.

2. **Opportunities, Constraints, and Concerns (OCC) Analysis:** The OCC Analysis began with the review of SCE's standardized routing score sheet that had been used on previous projects. These score sheets were then adapted for Project use during the OCC Analysis. This process began by identifying environmental factors that could be readily mapped. Characteristics for each factor were reviewed and separated into the categories of opportunity, constraint, or concern as summarized in Attachment D: OCC Results Summary of the Report. The following three characteristics were used for this analysis:

    - opportunities, which were areas with characteristics that were conducive to the routing of overhead power lines[1] (e.g., industrial areas with existing above-ground utilities, designated utility corridors, and areas with existing SCE rights-of-way);

    - constraints, which were areas with characteristics that could make permitting, constructing, and/or maintaining overhead power lines extremely difficult and/or costly (e.g., areas with known jurisdictional water features, special-status species habitat, and within a 100-year floodplain); and

[1] Areas that were "neutral" were not included as opportunities. (Neutral areas were locations that did not represent an opportunity, constraint, or concern.)

- concerns, which were areas with characteristics that could make permitting, constructing, and/or maintaining overhead power lines challenging, though they were not considered infeasible or "show-stoppers" (e.g., areas with suitable habitat for fully protected species, with a high probability of encountering significant archaeological/historic resources, and within 25 feet of underground natural gas pipelines).

3. **Score Sheet Development:** SCE has developed and maintained a comprehensive set of standard score sheets used for the routing of its facilities. These score sheets identify scoring factors, separated by category, and provide the criteria for assigning a numerical score between 1 and 5 for each scoring factor. If a route segment or site did not meet Project objectives for an individual scoring factor, an "F" score was provided, eliminating the route segment from further consideration. The score sheets, with scoring criteria, are included as Attachment E: Completed Score Sheet of the Report.

4. **Initial Route Segment Identification:** Utilizing the results of the OCC Analysis and score sheets, an initial set of potential subtransmission route segments was identified. Efforts were made to avoid areas with one or more constraints identified in the OCC Analysis; however, in some instances, constraints could not be avoided. The initial route segments are depicted in Figure 3: Initial Route Segments of the Report.

5. **Scoring:** The previously described score sheets were populated for each route segment identified in the previous step. The scoring process was conducted with input from Subject Matter Experts (SMEs) from SCE, Insignia Environmental, and Rincon Consultants, as well as by using Geographic Information System data. Following the route segment scoring process, multiple route segments were combined to develop individual end-to-end routes. The scores from each route segment were combined using a weighted-average method to determine a total score for each end-to-end route. End-to-end routes were combined to create route combinations for each alternative. In total, 92 route segments and 20,152 end-to-end route combinations were scored, as reported in Attachment F: Route Combination Scores of the Report.[2] The completed score sheets have been included as Attachment E: Completed Score Sheets of the Report.

6. **Site and Route Selection Meetings:** Following the scoring process, the end-to-end route combinations were ranked using the previously developed scores. These rankings were reviewed with the team during route selection meetings on August 26, August 27, September 3, and September 30, 2021. The team utilized the following steps to evaluate the routes:

    a. SMEs from SCE reviewed the scores associated with each route combination and conducted an additional qualitative review to determine whether any constraints or "F" scores existed that were not included in the score sheets. If warranted, score sheets were adjusted in real time to account for any new information; if the results of the discussion were significant enough to disqualify an individual route

[2] Attachment F: Route Combination Scores includes scores from the 1,000 best-scoring route combinations. Scores from all 20,152 route combinations are available upon request.

segment, all end-to-end route combinations utilizing the segment were disqualified from future consideration.

b. The best-scoring route combinations were identified and displayed to the team.

c. If, following any subsequent input, the route combination being discussed remained the best-scoring route, it was retained. If not, the team restarted the process with the current best-scoring route combination. If route combinations had similar scores, a qualitative comparison between route combinations was performed to arrive at a selection.

This process was repeated to arrive at the preferred and alternative route combinations. The rankings of the 1,000 best scoring route combinations are provided as Attachment F: Route Combination Scores of the Report.[2]

RESULTS

Option 3 was chosen as the Preferred Route and Option 4 was chosen as the Alternative Route. The justifications for the route combination selections are included in Section 4.3 Initial Route Selections of the Report. The final route descriptions have been provided in Section 4.4 Final Route Selections of the Report. The selected route combinations have been included as Figure 7: Option 3 – Preferred Route Map and Figure 8: Option 4 – Alternative Route Map of the Report.

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1 – INTRODUCTION

Under the rules, guidelines, and regulations of the Federal Energy Regulatory Commission, North American Electric Reliability Council, Western Energy Coordinating Council, and California Public Utilities Commission, electrical transmission, subtransmission, and distribution systems must have sufficient capacity to maintain safe, reliable, and adequate service to customers. The Cal City Substation 115 Kilovolt (kV) Upgrade Project (Project) has been developed to serve the forecasted demand for the Electrical Needs Area (ENA) and to provide a second 115 kV source line to Edwards Substation.

This Routing Report documents the process used to select two route combinations to satisfy the subtransmission line requirements for the Project and summarizes the results of this process.

2 – ALTERNATIVES ANALYZED

SCE initiated the routing process by evaluating a range of potential system alternatives that would provide additional reliable capacity to the ENA. These alternatives included a wide range of wire and non-wire alternatives within SCE's service territory. SCE selected the following three alternatives to be included in this routing process:

- Alternative 0,
- Alternative 1, and
- Alternative 4.

The scope elements (i.e., subtransmission lines) requiring routing for each of these alternatives are summarized in Table 1: Alternative Scope Element Summary. Additional scope elements that were not routed or sited would occur at or adjacent to existing Southern California Edison (SCE) facilities or are distribution lines that would be routed outside of this process.

Table 1: Alternative Scope Element Summary

Alternative	Kramer-Cal City	Cal City-Edwards-Holgate	Cal City-Edwards	Cal City-Edwards and Edwards-Holgate	Cal City-Randsburg
0	✓	✓			
1	✓			✓	
4			✓		✓

Note: The Cal City-Edwards-Holgate line would involve a single-circuit tap to Edwards Substation.

3 – METHODS

The subsections that follow describe the individual steps taken to identify the preferred and alternative route combination options for the Project. A flowchart depicting the process has been included as Figure 1: Routing Process Overview.

3.0 STUDY AREA DEVELOPMENT

Prior to initiating the Opportunities, Constraints, and Concerns (OCC) Analysis, the high-level scope descriptions for each system alternative were reviewed and a study area was established, as depicted in Figure 2: Study Area Location Map. The extents of the study area were established by evaluating the potential geographic range of the scope elements associated with all of the alternatives. Once the total envelope of all scope elements was understood study area boundaries were defined by expanding this envelope to natural features (e.g., mountains, ridges, or other areas of steep terrain) or human-made features (e.g., highways).

3.1 OPPORTUNITIES, CONSTRAINTS, AND CONCERNS ANALYSIS

A thorough OCC Analysis was conducted for all areas within 5 miles of the study area. The OCC Analysis began with the review of SCE's standardized route score sheets that had been used on previous projects. These score sheets were then adapted for Project use during the OCC Analysis. This process began by identifying environmental factors that could be readily mapped. Characteristics for each factor were reviewed and separated into the categories of opportunity, constraint, or concern. The resulting list of factors included the following resource areas:

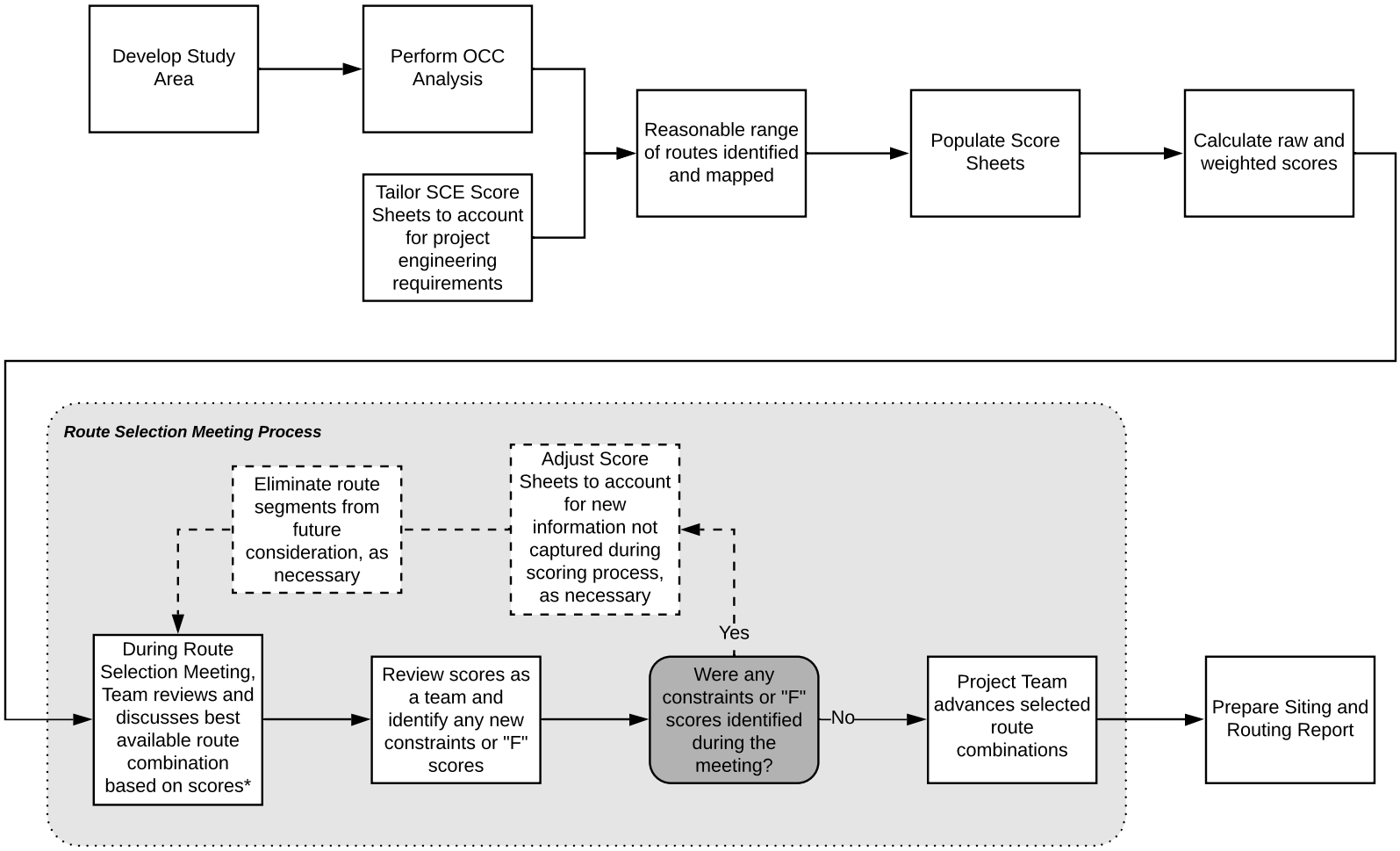
- aesthetics,
- biological resources,
- community,
- cultural resources,
- design,
- geology and soils,
- hazards,
- land acquisition,
- land use, and
- wildfire.

A complete list of OCC factors used in the OCC Analysis is included in Attachment A: OCC Factors. The following three characteristics were used for this analysis:

- opportunities, which were areas with characteristics that were conducive to the routing of overhead power lines;[3]

[3] Areas that were "neutral" were not included as opportunities. (Neutral areas were locations that did not represent an opportunity, constraint, or concern.)

Figure 1: Routing Process Overview



* In instances where route combination scores were very similar, a qualitative analysis was performed to identify the best route.

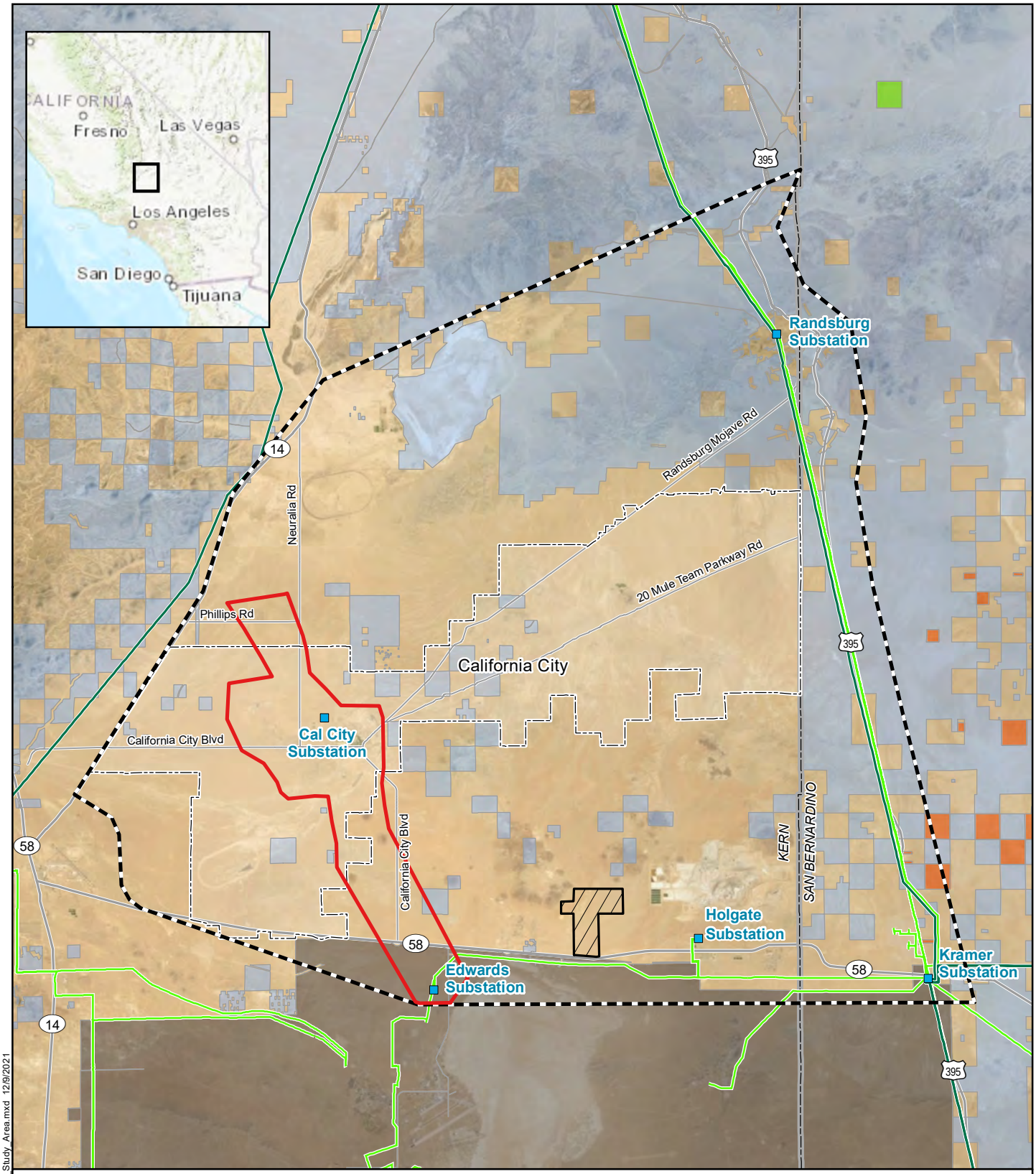


Figure 2: Study Area Location Map — **Cal City Substation 115 kV Upgrade Project**

- Proposed Routing Study Area
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

Existing SCE Facilities

- Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line

Land Ownership

- California Department of Fish and Wildlife
- California State Lands Commission
- United States Department of Defense (Air Force)
- United States Bureau of Land Management
- Private

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- constraints, which were areas with characteristics that could make permitting, constructing, and/or maintaining overhead power lines extremely difficult and/or costly; and

- concerns, which were areas with characteristics that could make permitting, constructing, and/or maintaining overhead power lines challenging, though they were not considered infeasible or "show-stoppers."

Following the completion of the OCC factors, Geographic Information System (GIS) data were obtained from public data sources, clipped to within 5 miles of the study area, and incorporated into a file geodatabase. All data were categorized by resource area, factor, and factor type (i.e., opportunity, concern, or constraint). Data that were not available in GIS were researched and digitized to be included in the GIS dataset. Once all of the data were gathered and incorporated into the GIS dataset, the layers were assigned colors to represent their levels of compatibility with the planned facilities. All data were posted to Insignia Environmental's (Insignia's) ArcGIS Online portal in order to be shared with SCE and Rincon Consultants (Rincon). This online portal also allowed SCE Subject Matter Experts (SMEs) to review the OCC data and provide comments electronically. These comments were incorporated into the GIS data and the final OCC data were prepared.

3.2 SCORE SHEET DEVELOPMENT

SCE has developed and maintained a comprehensive set of standard score sheets used for the routing of its facilities. These score sheets identify scoring factors, separated by category, and provide the criteria for assigning a numerical score between 1 and 5 for each scoring factor. These sheets also assign a relative weight to each factor (ranging from 0.25 to 1), allowing select factors to have more influence in a route's overall score. If a route segment did not meet Project objectives for an individual scoring factor, an "F" score was provided, eliminating the segment from further consideration.

Project-specific engineering data were reviewed and used to modify the applicable criteria within each score sheet (e.g., minimum right-of-way [ROW] widths to accommodate potential overhead subtransmission line configurations). The score sheet, which includes the criteria for assigning scores to each factor, is included as Attachment B: Score Criteria Sheet.

3.3 INITIAL ROUTE IDENTIFICATION PROCESS

Insignia began the route segment identification process by reviewing the OCC data and required scope elements for each alternative. Insignia created individual route segments within the study area that could be connected to create end-to-end routes. Efforts were made to avoid areas with one or more constraints identified in the OCC Analysis; however, in some instances, constraints could not be avoided. Efforts were also made to reduce the overall length of the end-to-end routes, locate new segments within existing or expanded SCE ROWs, and reduce the number of parcels affected. Route segments were split at all intersections with other segments and given

unique identifiers[4] to eliminate overlap between segments and to allow unique end-to-end routes for each scope element to be constructed. These unique end-to-end routes for each scope element were then combined to create unique route combinations for each alternative.

3.4 SCORING

As described in Section 3.2 Score Sheet, a routing score sheet was developed using SCE's standard score sheet and Project-specific engineering data. Each scoring factor was categorized to indicate the scoring method as follows:

- SCE: Scoring factors that SCE SMEs would score qualitatively
- Consultant: Scoring factors that Insignia or Rincon staff would score qualitatively
- GIS: Scoring factors that Insignia staff would score quantitatively using GIS data

A total of 57 factors were scored.[5] Because each alternative analyzed in this Report required two scope elements and the two scope elements could each utilize the same route segment, it was assumed that a parallel-circuit or double-circuit configuration could be used in these instances. As a result, the score sheet was modified to request scores for all three potential circuit configurations (single-, double-, and parallel-circuit) if the following criteria were met:

- the route segment had the potential to be used by more than one scope element to satisfy the same Project alternative; and
- the scoring factor results could change as a result of the selected configuration.

3.4.0 Raw Scores

Route Segment Scoring

All route segment scoring assigned to SCE, Insignia, or Rincon SMEs was performed qualitatively. Existing GIS data, aerial photography, and professional judgement were used to assign an integer score between 1 and 5 for each segment in each factor. Scoring determined by GIS began by categorizing the available GIS data using the corresponding criteria descriptions (i.e., 1 through 5). The length of each segment within each criteria area was calculated, and then a weighted-average score for each segment was calculated for each factor as described in the following equation:

$$GIS\ factor\ score = \sum_{i=1}^{n} critera\ score_i \times \frac{segment\ lenth\ in\ criteria\ area_i}{total\ segment\ length}$$

In this equation, *n* is the total number of criteria crossed by the route segment. Lower scores represented segments that were less constrained than those with a higher score. If a segment was determined to be incompatible with a scoring factor, then an "F" score was provided, eliminating

[4] Unique route segment identifiers were constructed by assigning a two-digit number to each segment (e.g., 01) and then prepending the segment's intended configuration (i.e., SC for single-circuit, DC for double-circuit, and PC for parallel-circuit) (e.g., SC-01).

[5] The 57 factors scored included 29 by SCE SMEs, seven by Insignia SMEs, 12 by Rincon SMEs, and nine by GIS.

the route segment from further consideration.[6] For each segment, the factor scores were summed to create a raw segment score as described in the following equation:

$$raw\ segment\ score = \sum_{i=1}^{n} factor\ score_i$$

In this equation, *n* is total number of scoring factors associated with route segments.

Route Combination Scoring

Following the route segment scoring process, multiple route segments were combined to develop individual end-to-end routes for each scope element. Each end-to-end route was given a unique three-digit identifier. For each Project alternative, potential combinations of scope elements were combined to create route combinations. Each route combination was given a seven-character unique identifier.[7]

If the two unique end-to-end routes that created the route combination utilized one or more of the same route segments, two versions of that combination were created. One version assumed that a double-circuit configuration would be utilized for all shared route segments and the second version assumed that a parallel-circuit configuration would be utilized for all shared route segments.

The total length of each route combination was then calculated, and raw segment scores and segment lengths were used to develop a raw route combination score as described in the following equation:

$$raw\ route\ combination\ score = \sum_{i=1}^{n} raw\ segment\ score_i \times \frac{segment\ lenth_i}{total\ route\ length}$$

In this equation, *n* is total number of route segments included in the route combination.

3.4.1 Weighted Scores

As described in Section 3.2 Score Sheet Development, relative weights for each scoring factor were developed by SCE and were included in its standard score sheets. Weighted scores were developed by multiplying the individual factor scores for each segment by their associated

[6] "F" scores were substituted with a value of 1,000 to facilitate the score calculation process.

[7] The naming convention was generated using a single-digit identifier representing the alternative number, a four-digit unique identifier representing the combination of end-to-end routes, and a two-character identifier representing the type of shared route segments (i.e., double-circuit [DC] or parallel-circuit [PC]). Each identifier was separated by a hyphen (e.g., X-XXXX-XX).

weights prior to summation. The following equation describes the method used to calculate the weighted route segment scores:

$$weighted\ segment\ score = \sum_{i=1}^{n} factor\ score_i \times factor\ weight_i$$

In this equation, *n* is total number of scoring factors associated with route segments. The following equation describes the method used to calculate the weighted route scores:

$$weighted\ route\ combination\ score = \sum_{i=1}^{n} weighted\ segment\ score_i \times \frac{segment\ lenth_i}{total\ route\ length}$$

In this equation, *n* is total number of route segments included in the route combination.

3.5 ROUTE SELECTION MEETINGS

Following the scoring process, the end-to-end routes were ranked by raw and weighted scores. These rankings were reviewed with the team during route selection meetings on August 26, August 27, September 3, and September 30, 2021. The team utilized the following steps to evaluate the routes:

1. SMEs from SCE, Rincon, and Insignia reviewed the scores associated with each route combination and conducted an additional qualitative review to determine whether any constraints or "F" scores were not included in the existing scores.

    a. If necessary, score sheets were adjusted in real time to account for this new information.

    b. If the results of the discussion were significant enough to disqualify an individual route segment, all route combinations utilizing the segment were disqualified from future consideration.

2. The best-scoring route combinations were identified and displayed to the team.

3. If, following any subsequent input, the route combination being discussed remained the best-scoring route, it was retained. If not, the team restarted the process with the current best-scoring route combination. If route combinations had similar scores, a qualitative comparison between route combinations was performed to arrive at a selection.

This process was repeated to select two route combinations.

4 – RESULTS

The subsections that follow document the results from each step in the routing process. The route combination selections are documented in Section 4.3 Initial Route Selections.

4.0 OCC PROCESS

Attachment C: OCC Results Map visualizes the OCC data, representing areas of opportunity and constraint merged by factor type. Areas of concern, while considered as part of the OCC process, were not included in Attachment C: OCC Results Map to provide a clearer visualization of OCC data. Attachment D: OCC Results Summary describes the types of opportunities, concerns, and constrains within the study area by resource.

4.1 ROUTE SEGMENTS

Figure 3: Initial Route Segments depicts the 92 route segments that were identified as described in Section 3.3 Initial Route Identification Process.

4.2 SCORING

The subsections that follow describe the resulting scores from the routing process.

4.2.0 Route Segments

Attachment E: Completed Score Sheet contains the final score sheets that were developed during the routing process. Both raw and weighted scores have been included for all route segments. These score sheets include any adjustments made during the route selection meetings conducted in August and September 2021, as described in Section 3.5 Route Selection Meetings.

4.2.1 Route Combinations

As described in Section 3.4 Scoring, individual route segments were connected to generate unique, end-to-end routes for each scope element. The end-to-end routes were then combined, as appropriate, to create route combinations for the scope elements of each alternative. Attachment F: Route Combination Scores lists the 1,000 best-scoring route combinations that were identified, including the route segments and end-to-end routes that comprised each combination, the raw and weighted scores, and each route combination's relative ranking.[8] Table 2: End-to-End Route Summary identifies the number of end-to-end routes that were created for each scope element and Table 3: Route Combination Summary identifies the number of route combinations that were created for each alternative.

4.3 INITIAL ROUTE SELECTIONS

This section summarizes the discussion and decisions that were made during the meetings described in Section 3.5 Route Selection Meetings to arrive at the selected route combinations. Table 4: Initial Route Combination Selection Summary lists the resulting route combination selections. As described in Section 3.5 Route Selection Meetings, individual route segments were eliminated from future consideration during the selection process. These decisions also caused individual route segments to lose their value (i.e., they no longer connected to viable segments). These decisions are depicted graphically in Figure 4: Route Segments Eliminated

[8] Scores from all 20,152 route combinations are available upon request.

from Consideration. The selected route combinations are depicted in Figure 5: Option 1 Route Map and Figure 6: Option 2 Route Map.

Table 2: End-to-End Route Summary

Scope Element	Unique End-to-End Routes
Kramer-Cal City	94
Cal City-Edwards-Holgate	56
Cal City-Edwards	99
Cal City-Edwards and Edwards-Holgate	15
Cal City-Randsburg	15
Total	279

Table 3: Route Combination Summary

Alternative	Unique Route Combinations
0	16,375
1	2,454
4	1,323
Total	20,152

Table 4: Initial Route Combination Selection Summary

Selection	Alternative	Kramer-Cal City End-to-End Route	Cal City-Edwards-Holgate End-to-End Route	Route Combination
Option 1	0	041	170	0-3820-PC
Option 2	0	054	170	0-5055-PC

4.3.0 F-Score Review

The Route Selection Meetings began with a review of all "F" scores that were supplied as a part of the scoring process as described in the subsections that follow.

Randsburg Substation

Segments 07 and 08 each received eight "F" scores due to the current condition of Randsburg Substation. Alternative 4 would requires the installation of a new subtransmission line between Cal City Substation and Randsburg Substation.

Figure 3: Initial Route Segments

Cal City Substation
115 kV Upgrade Project

- Segment Break
- Route Segment
- Proposed Routing Study Area
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

Existing SCE Facilities

- Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line

Land Ownership

- California Department of Fish and Wildlife
- California State Lands Commission
- United States Department of Defense (Air Force)
- United States Bureau of Land Management
- Private

Detail A

Detail B

Detail C

Randsburg Substation

Cal City Substation

Holgate Substation

Kramer Substation

Edwards Substation

California City

Kern

San Bernardino

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0 2 4 Miles

Sources: Insignia, 2021; SCE, 2021

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Figure 4: Route Segments Eliminated from Consideration

Cal City Substation 115 kV Upgrade Project

- Segment Break
- Route Segment
- Eliminated Segment
- Proposed Routing Study Area
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

Existing SCE Facilities

- Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line

Land Ownership

- California Department of Fish and Wildlife
- California State Lands Commission
- United States Department of Defense (Air Force)
- United States Bureau of Land Management
- Private

Detail A

Detail B

Detail C

Randsburg Substation

Cal City Substation

Holgate Substation

Edwards Substation

Kramer Substation

California City

Kern

San Bernardino

1:250,000

0 2 4 Miles

Sources: Insignia, 2021; SCE, 2021

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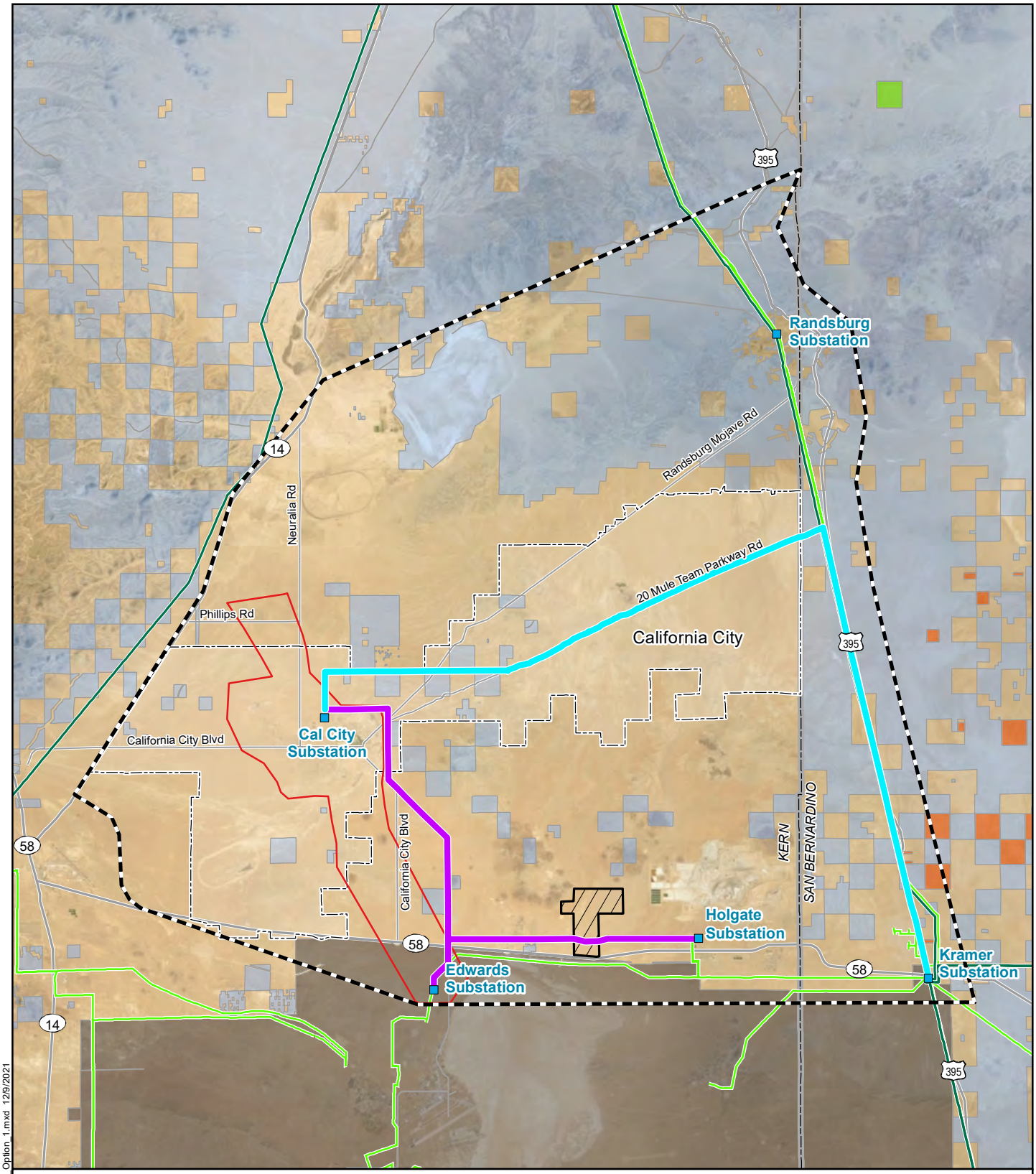

Figure 5: Option 1 Route Map — **Cal City Substation 115 kV Upgrade Project**

Option 1 Route
- Cal City-Edwards-Holgate 115 kV Subtransmission Line
- Kramer-Cal City 115 kV Subtransmission Line

- Proposed Routing Study Area
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

Existing SCE Facilities
- Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line

Land Ownership
- California Department of Fish and Wildlife
- California State Lands Commission
- United States Department of Defense (Air Force)
- United States Bureau of Land Management
- Private

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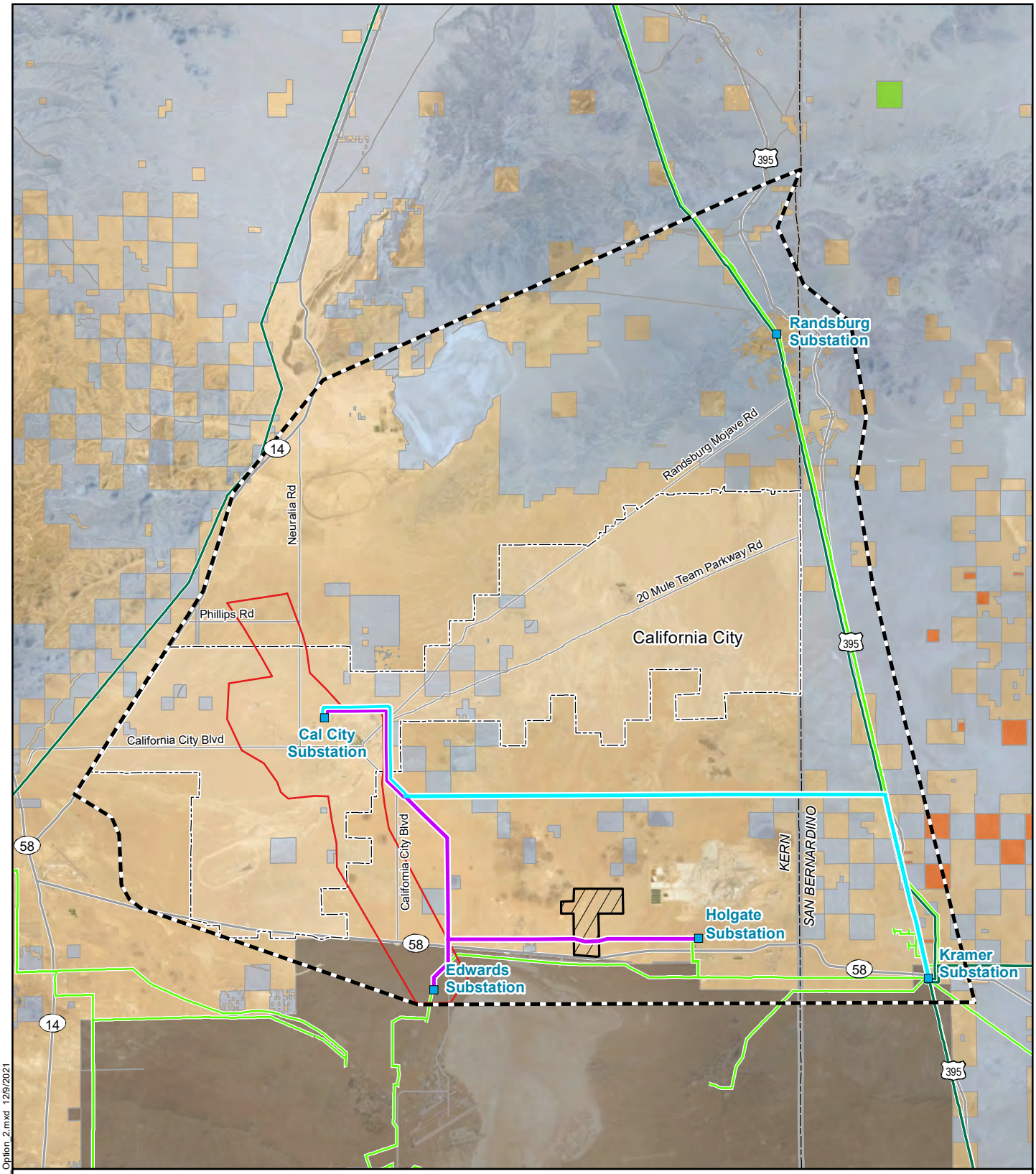

Figure 6: Option 2 Route Map — **Cal City Substation 115 kV Upgrade Project**

Option 2 Route
- Cal City-Edwards-Holgate 115 kV Subtransmission Line
- Kramer-Cal City 115 kV Subtransmission Line

- Proposed Routing Study Area
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

Existing SCE Facilities
- Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line

Land Ownership
- California Department of Fish and Wildlife
- California State Lands Commission
- United States Department of Defense (Air Force)
- United States Bureau of Land Management
- Private

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Randsburg Substation does not have the required infrastructure or space to accommodate an additional source line; therefore, Alternative 4 would require the entire substation to be rebuilt and expanded on adjacent property. Initial cost estimates indicated that this process would cost approximately $90 million.

As a result, "F" scores for Segments 07 and 08 were provided for the following reasons:

- SCE does not own any additional land in the vicinity of Randsburg Substation.
- Randsburg Substation is located in an area of hilly terrain; therefore, any expansion of the substation would require significant grading and ground disturbance.
- Randsburg Substation itself is considered to be a potentially significant historical resource and the surrounding area has a high potential for cultural resources.

Due to the complications associated with rebuilding Randsburg Substation, the team confirmed the "F" scores that were provided for Segments 07 and 08 as they are the only segments that connected to the substation. Due to these "F" scores, Segments 13, 60, 61, 62, and 74 also lost all further utility and were eliminated from further consideration.

Edwards Air Force Base

Segment 18 received two "F" scores due to this segment's total length on Edwards Air Force Base. One of the primary considerations for the Project was to serve off-base load using off-base infrastructure. Segment 18 would require the installation of approximately 8.8 miles of new 115 kV subtransmission line within Edwards Air Force Base while a combination of Segments 27, 36, and/or Segment 47 provided significantly shorter routes across the base. In addition, the access challenges and potential for unexploded ordnance along Segment 18 made this segment undesirable. As a result, the team confirmed the "F" scores provided for Segment 18 and it was eliminated from further consideration.

4.3.1 Kramer-Cal City

Following the "F" score review, all potential route combinations associated with Alternative 4 were eliminated from further consideration. The team then decided to focus on the Kramer-Cal City scope element, as it is the only scope element common to the two remaining alternatives. Because the 100 top-scoring route combinations were separated by less than 0.5 percent,[9] the team qualitatively analyzed the route combinations. The following discussion summarizes the decisions made to select the preferred end-to-end route for the Kramer-Cal City scope element:

- Of the 50 top-scoring route combinations, 39 combinations utilized the Highway 395 and 20 Mule Team Parkway Road corridors. The remaining 11 combinations utilized a shorter segment of the Highway 395 corridor and a combination of roads including Farmington Road and Lorraine Avenue to traverse the study area. Because of the established paved access along 20 Mule Team Parkway Road and the added diversity provided by using a route that is located further north, the team initially focused on route combinations along this portion of the study area.

[9] The scores ranged between 71.61 and 71.97.

- All route combinations that utilize 20 Mule Team Parkway Road would have to approach Cal City Substation from Segments 03, 29, or 72.

    - Segment 03 is located adjacent to an existing desert tortoise (*Gopherus agassizii*) ecological reserve and is located along an existing dirt access road.

    - Segment 29 is primarily located along Mendiburu Road within an existing residential area where all existing distribution lines have been placed underground. This segment is included in the top 35 best-scoring route combinations.

    - Segment 72 is located outside of the ecological reserve; however, it is located adjacent to planned future development. This segment is primarily located along an existing dirt access road, but portions of it would require new access.

- Upon review of the three options to exit Cal City Substation to the north/northeast, the team decided that Segment 29 was the least favorable due to the existing residences located along Mendiburu Road and the potential that underground construction would be required. Mendiburu Road likely contains various other underground utilities; therefore, additional delays and costs associated with the engineering and construction methods to avoid those facilities would likely be required. The increased road traffic along Mendiburu Road would also increase the risk of car-pole interface.

- Understanding that a second line would need to exit Cal City Substation toward Edwards Substation, the team then reviewed the potential to utilize double- or parallel-circuit construction along Segment 72.

    - The team recognized that while double-circuit construction is feasible, it is not preferred due to the desire for diversity between the two new sources to Cal City Substation. Any impact to a pole along the double-circuit line could potentially remove all sources to Cal City Substation. A tubular steel pole line could mitigate this risk; however, it would add significant cost to the Project. As a result, the team decided that double-circuit construction was not preferred in this location.

    - A parallel circuit along Segment 72 was determined to be feasible, but it would reduce the potential diversity between the two scope elements.

- The team agreed that a single-circuit line along Segment 03 and a second single-circuit line along Segment 72 would provide enough diversity to satisfy system planning requirements while reducing construction costs.

- The team reviewed other options for exiting Cal City Substation to the south, including Segments 31, 48, and 69.

    - Segment 31 is located along an existing dirt access road with a short portion parallel to California City Boulevard. This segment is located east of the most populated portion of California City.

  - Segment 48 is located along Neuralia Road and Redwood Boulevard and is surrounded by commercial and residential development. The majority of Neuralia Road is a divided four-lane paved road with a vegetated median.

  - Segment 69 is located along Hacienda Boulevard and is surrounded by commercial and residential development. This segment also passes adjacent to Hacienda Elementary School.

- The team strongly preferred avoiding Segments 48 and 69 due to the potential for underground requirements, the likely presence of existing underground utilities, the increased road traffic resulting in increased risk for car-pole interface, and the potential traffic controls required during construction. In addition, traffic would be a concern during the operation and maintenance (O&M) phase of the Project. As a result, the team decided to eliminate route combinations utilizing Segments 48 and 69 from further consideration.

- Following these decisions, Segments 03 and 72 were the only remaining segments exiting Cal City Substation and connecting to other viable route segments. Because the team preferred diversity over double- or parallel-circuit construction, the team decided that Segment 03 would be utilized for the Kramer-Cal City scope element and Segment 72 would be used for the subtransmission line connecting to Edwards and Holgate.

- The best-scoring end-to-end route for the Kramer-Cal City scope element utilizing Segments 03 and 28 in a single-circuit configuration was combination 041 (i.e., Segments 03, 04, 22, 28, 41, 42, 43, 44, 45, 51, 54, 55, 56, 59, and 63). As a result, the team decided to look for additional route combinations using this end-to-end route for the Kramer-Cal City scope element.

The team also worked to select a second end-to-end route option for the Kramer-Cal City scope element that did not utilize segments along 20 Mule Team Parkway Road. This process started by identifying and comparing route segments that crossed the study area from east to west, all of which are located in the vicinity of an existing mining facility operated by Rio Tinto. The discussion that follows summarizes the team's decision-making process in selecting this second option:

- The team identified Segments 01, 39, 40, and 08 as the only four options to traverse the study area from east to west while also avoiding 20 Mule Team Parkway Road.

  - Segment 18 was eliminated from further consideration as described in Section 4.3.0 F-Score Review.

  - Segment 39 is the only remaining segment that would efficiently connect to Holgate Substation. In order to maintain diversity with the Cal City-Edwards-Holgate scope element, combinations that utilized this segment were eliminated from further consideration.

  - Segments 01 and 40 are parallel and both pass the Rio Tinto mining facility to the north. During the August 2021 site visit, the team determined that the combination of Segments 01 and 02 was flatter than the combination of Segments 05, 06, 40, and 89 and would require less grading to establish a safe access road. As a result, all end-to-end routes that utilized Segments 05, 06, 40 and 89 were eliminated from further consideration.

- As described previously, all of the best end-to-end routes utilized Segments 41, 42, and 43 within the designated utility corridor along Highway 395 and all combinations utilizing Segment 23 were eliminated from further consideration.

- As described previously, the team compared the three potential north-to-south route segments that would allow access from the intersection of Segments 01 and 33 to Cal City Substation (Segments 31, 48, and 69). Due to the potential for underground requirements, the likely presence of existing underground utilities, the increased road traffic resulting in increased risk for car-pole interface, and the potential traffic controls required during construction, route combinations utilizing Segments 48 and 69 were eliminated from further consideration. As a result, route combinations utilizing Segments 31 and 32 were advanced forward.

- From the northernmost point of Segment 31, Segments 29 and 72 provided the most efficient routes to connect to Cal City Substation. As described previously, the team compared these two route segments and eliminated Segment 29 due to the potential for underground requirements, the likely presence of existing underground utilities, the increased road traffic resulting in increased risk for car-pole interface, and the potential traffic controls required during construction. As a result, Segments 30, 51, and 72 were selected to complete this end-to-end route combination (054).

4.3.2 Cal City-Edwards-Holgate

Following the selection of the Kramer-Cal City scope element, the team reviewed the remaining 164 route combinations. Of these, all of the top 50 remaining combinations were associated with Alternative 0, which would require the construction of the Cal City-Edwards-Holgate subtransmission line. As a result, the team focused its review on the remaining 143 route combinations associated with Alternative 0. By eliminating Segments 48 and 69, as described previously in Section 4.3.1 Kramer-Cal City, 70 route combinations remained. The following discussion summarizes the decisions made to select the preferred end-to-end route for the Cal City-Edwards-Holgate scope element:

- By eliminating Segments 48 and 69 from further consideration, Segment 31 was the last remaining route segment to exit Cal City Substation to the south. While this would require parallel construction with the Kramer-Cal City scope element, the team decided that the lines could be constructed with sufficient separation to provide diverse feeds to Cal City Substation.

- From Segment 31, there are two general paths that could be followed further south:
    - Segment 12 is located along California City Boulevard, the primary paved road connecting California City to Highway 58.
    - Segments 33, 34, 35, and 90 are located along existing dirt access roads and 140th Street. An existing distribution line is also located along a portion of these segments.
- Due to the increased vehicle speeds along California City Boulevard, a pole line built along Segment 12 would need to be constructed further from the roadway within a new ROW and would require the construction of additional spur/access roads for construction and O&M purposes. The increased vehicle speeds in this area may make ingress and egress to theses access roads challenging. In addition, a new subtransmission line would introduce a change in the existing visual character.
- Segments 33, 34, 35, and 90 have limited vehicular traffic, an existing access road along the majority of the route segments, and an existing electric distribution line in the area. This segment combination was utilized on 17 of the top 20 best-scoring route combinations that remained.
- As a result, the team preferred route combinations that utilized Segment 34 over those that used Segment 12, reducing the remaining route combinations to 21.
- The team reviewed the options to approach Edwards Substation from the southern end of Segment 35.
    - Segments 27 and 36 currently have existing electrical lines along them and are located along the paved entrance to Edwards Air Force Base.
    - Segments 16, 27, and 37 are partially located along the paved entrance to the base; however, a majority of this combination of segments would be located along sandy, unpaved access roads.
    - Segment 47 would require a new access road across known occupied desert tortoise and Mohave ground squirrel (*Xerospermophilus mohavensis*) habitat.
- Due to the desire to minimize the length of line on Edwards Air Force Base, utilize the existing access, minimize new impacts, and reduce sharp angles, the team decided to advance route combinations utilizing Segments 27 and 36.
- End-to-end Route 196 was the top-scoring option that remained; however, it introduced five additional 90-degree turns (along Segments 14, 15, 17, 26, and 92) that could be avoided by selecting end-to-end Route 170. End-to-end Route 170 provided a direct route from Segment 35 east to Holgate Substation. As a result, end-to-end Route 170 (i.e., Segments 26, 27, 30, 31, 32, 33, 34, 35, 36, 38, 39, 51, 71, 72, 75, and 90) was retained as the team's first route selection.

4.4 FINAL ROUTE SELECTIONS

During a field visit conducted on August 16 and 17, 2021, the team observed a closed gate along Segment 26. This gate indicated that a portion of Segment 26 is located within a potential conservation easement associated with Rio Tinto's mining facility. Since the time of the site visit, SCE conducted outreach to both Rio Tinto and the California Department of Fish and Wildlife (CDFW) to obtain and review the terms and conditions associated with the potential conservation easement. As a result of this outreach, SCE was able to determine that the conservation easement had not been finalized with the CDFW; however, the planned easement would prevent the installation of any new infrastructure.

Due to the presence of the conservation easement, SCE decided to eliminate any route combinations that utilize Segment 26—thus eliminating Option 1 and 2—and select a new route combination for the Cal City-Edwards-Holgate scope element. The following discussion summarizes the decisions made to select the preferred end-to-end route for the Cal City-Edwards-Holgate scope element that avoids Segment 26 while continuing to utilize Segments 31, 35, 36, and 72:

- Of the remaining 20 route combinations, the 10 top-scoring combinations were separated by less than 3 percent. End-to-end Route 278 was the best-scoring option; it utilizes Segments 77, 82, and 83 to skirt the boundary of the potential conservation easement.

- Due to the small variation between scores among the top route combinations, the team reviewed the three best-scoring options to head west to connect to Segment 34 or Segment 90.

    - Segment 77 is located along Schultz Road and connects to Suckow Road; these are both existing dirt roads. This segment is included in the best-scoring route combinations.

    - Segment 84 is located along Denise Avenue in a rugged portion of the study area and may require the construction of new access roads. This segment is included in the average-scoring route combinations.

    - Segment 89 is located along Rosewood Boulevard, an existing dirt road, and would require some improvements prior to use. This segment is included in the worst-scoring route combinations.

- Due to the limited access along Segment 84 and rugged terrain, this segment was eliminated from further consideration.

- The team reviewed end-to-end Route 229 to exhaust the options to head west toward Cal City Substation. This combination was the worst-performing of those that remained. No existing access was identified near the intersection of Segments 05 and 19. As a result, significant ground disturbance within rugged terrain would be required to provide access to these segments. Access along portions of Segment 05 was also observed as rugged

during the August 2021 site visit. As a result, this route option was eliminated from further consideration.

- Of the remaining options, end-to-end Route 278, which utilizes Segment 77, was the top-scoring route combination; however, it introduced two additional 90-degree angles when compared to end-to-end Route 277 (near Segments 77 and 92). As a result, the team elevated end-to-end Route 277 (i.e., Segments 14, 17, 27, 30, 31, 32, 33, 34, 35, 36, 39, 51, 72, 75, 77, 82, 83, 90, and 91), which continues directly west from the end of Segment 77 to the second route selection.

As summarized in Table 5: Final Route Combination Selection Summary, end-to-end Route 277 when combined with Kramer-Cal City end-to-end Routes 041 and 054 create Option 3 and Option 4, respectively. The selected route combinations are depicted in Figure 7: Option 3 – Preferred Route Map and Figure 8: Option 4 – Alternative Route Map.

Table 5: Final Route Combination Selection Summary

Selection	Alternative	Kramer-Cal City End-to-End Route	Cal City-Edwards-Holgate End-to-End Route	Route Combination	Final Decision
Option 3	0	041	277	0-8971-PC	Preferred
Option 4	0	054	277	0-8984-PC	Alternative

4.4.0 Environmental Impact Comparison

Following the selection of Option 3 and Option 4, the team prepared a qualitative environmental impact comparison to assist with elevating one of the options to the preferred route. This comparison relied upon the desktop-level analysis described in Section 3.1 Opportunities, Constraints, and Concerns Analysis and the observations made during the August 2021 fieldwork.

Option 3

Kramer-Cal City

Option 3's Kramer-Cal City scope element route generally follows Highway 395 north from Kramer Substation until generally paralleling 20 Mule Team Parkway Road to the southwest. This option would place the new 115 kV subtransmission line within existing designated transmission corridor along Highway 395. In addition, its proximity to Highway 395 and 20 Mule Team Parkway Road would reduce the total length of new access roads that would be required to facilitate construction and O&M of the new line. Limiting the required ground disturbance would translate into reduced impacts to potential biological, cultural, paleontological, and hydrologic resources in the vicinity of the alignment. As a tradeoff, the line would be visible to motorists along Highway 395 and 20 Mule Team Parkway Road. In addition, portions of this route span or are located adjacent to a CDFW-managed ecological reserve and BLM-managed desert tortoise natural areas near Cal City Substation.

Cal City-Edwards-Holgate

Option 3's Cal City-Edwards-Holgate scope element route travels generally southeast from Cal City Substation, following an existing distribution line and existing roads until reaching Holgate Substation. The tap to Edwards Substation is also generally parallel to an existing distribution line and existing roads. While this route would require the construction of some access roads in the vicinity of Cal City Substation, it is primarily located along existing roadways reducing the need for significant grading. By limiting the grading required, this route would limit the potential impacts to biological, cultural, paleontological, and hydrologic resources in the vicinity of the alignment. With the exception of the crossing of Highway 58 and a short segment parallel to California City Boulevard, this route is generally located along roadways with limited vehicular traffic.

Option 4

Kramer-Cal City

Similar to Option 3, this scope element route generally follows Highway 395 north from Kramer Substation for a shorter distance (approximately 7.6 miles rather than approximately 18.5 miles for Option 3) until turning west and traveling overland until reaching Sequoia Road. The route then follows Sequoia Road west until reaching California City Boulevard. At this point, the line would parallel the proposed Cal City-Edwards-Holgate line in a generally northwest direction until reaching Cal City Substation. When compared to Option 3, this option places a shorter segment of the new 115 kV subtransmission line within existing designated transmission corridor along Highway 395. In addition, the east-to-west segment that is overland and generally parallel to Sequoia Road would require significant grading to establish an access road that is suitable for the construction and O&M of the new line. This grading would translate into increased impacts to potential biological, cultural, paleontological, and hydrologic resources in the vicinity of the alignment when compared to Option 3. As a tradeoff, the line would be visible to fewer motorists along Highway 395 and would avoid 20 Mule Team Parkway Road. In addition, this route would avoid the CDFW-managed ecological reserve and BLM-managed desert tortoise natural areas in the vicinity of 20 Mule Team Parkway Road and Cal City Substation.

Cal City-Edwards-Holgate

Option 4's Cal City-Edwards-Holgate scope element route is identical to the one identified for Option 3; however, it would place both 115 kV subtransmission lines in the same corridor for approximately 6.6 miles. This portion of parallel circuit may reduce the total length of ROW within the study area when compared to Option 3, potentially reducing the overall visual impacts in the vicinity of California City. This parallel segment would also reduce the overall access roads construction/improvement requirements, reducing the potential impacts to biological, cultural, paleontological, and hydrologic resources along this portion of the route. With the exception of the crossing of Highway 58 and a short segment parallel to California City Boulevard, this route is generally located along roadways with limited vehicular traffic.

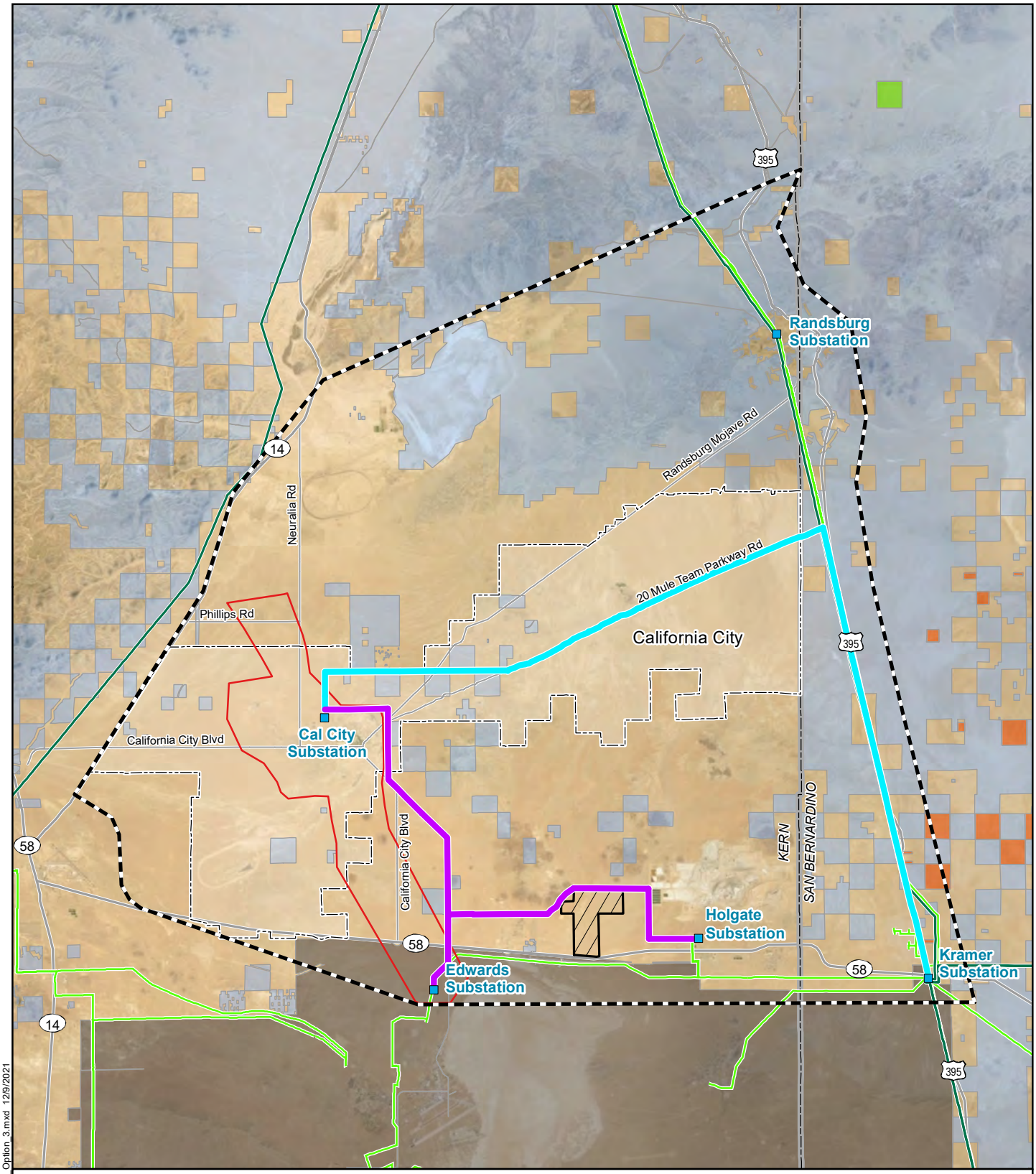

Figure 7: Option 3 - Preferred Route Map — **Cal City Substation 115 kV Upgrade Project**

Option 3 Route
- Cal City-Edwards-Holgate 115 kV Subtransmission Line
- Kramer-Cal City 115 kV Subtransmission Line

- Proposed Routing Study Area
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

Existing SCE Facilities
- Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line

Land Ownership
- California Department of Fish and Wildlife
- California State Lands Commission
- United States Department of Defense (Air Force)
- United States Bureau of Land Management
- Private

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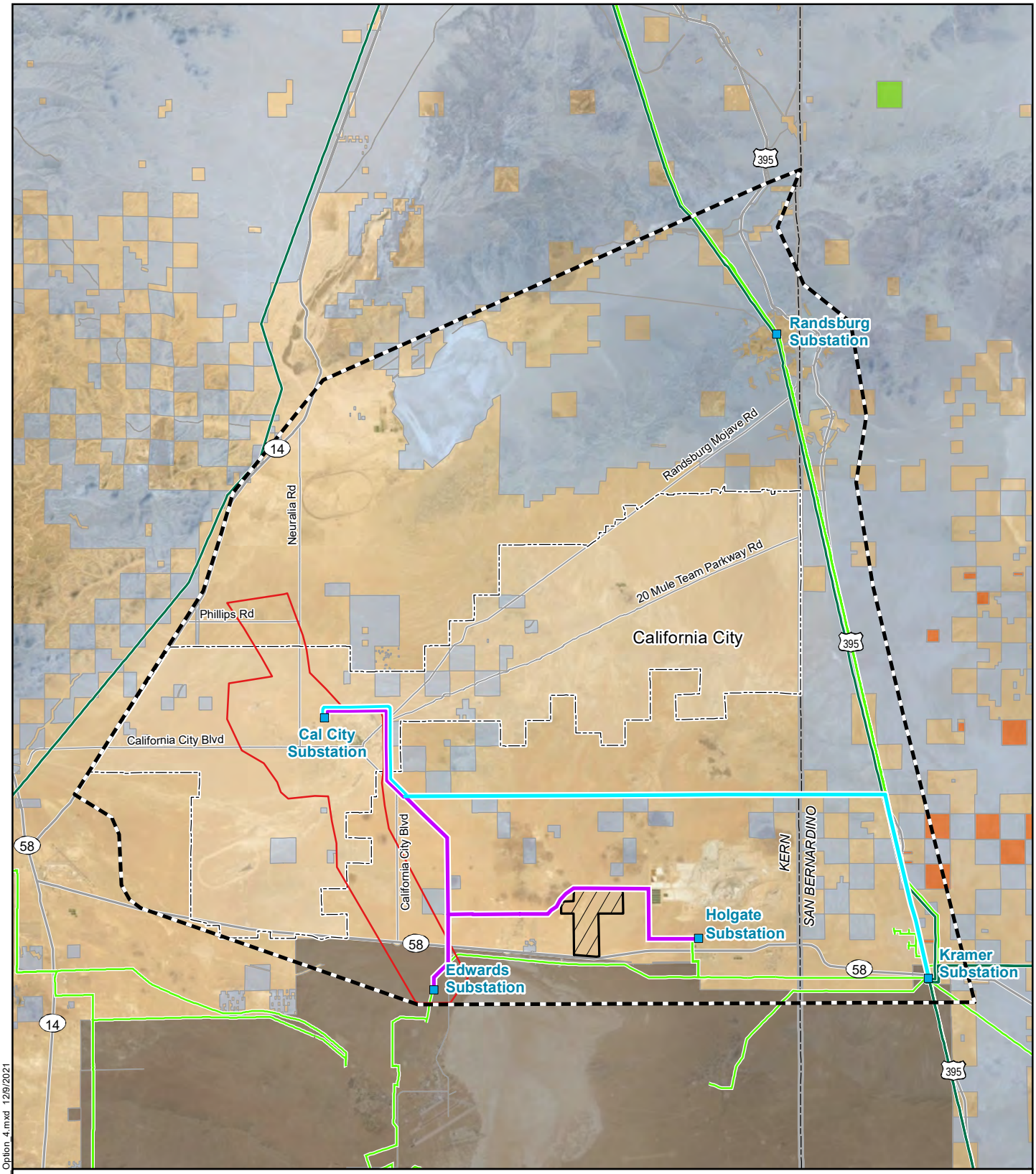

Figure 8: Option 4 - Alternative Route Map — **Cal City Substation 115 kV Upgrade Project**

Option 4 Route
- Cal City-Edwards-Holgate 115 kV Subtransmission Line
- Kramer-Cal City 115 kV Subtransmission Line

- Proposed Routing Study Area
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

Existing SCE Facilities
- Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line

Land Ownership
- California Department of Fish and Wildlife
- California State Lands Commission
- United States Department of Defense (Air Force)
- United States Bureau of Land Management
- Private

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4.4.1 Comparison Summary

While Option 3 would require the construction of approximately 15 additional circuit miles of 115 kV subtransmission line, it

- Provides additional diversity for the two 115 kV subtransmission sources to Cal City Substation by reducing the amount of parallel circuit construction from 6.6 miles to 0.4 mile when compared to Option 4;

- Constructs an additional 10.9 miles of 115 kV subtransmission line within a designated utility corridor when compared to Option 4; and

- Significantly reduces the length of access road improvement/construction, reducing the potential biological, cultural, paleontological, and hydrologic resource impacts along this portion of the route when compared to Option 4.

As a result, the team selected Option 3 as the preferred route and Option 4 as the alternative route. These selections are summarized in Table 5: Final Route Combination Selection Summary.

4.5 SUPPLEMENTAL ENVIRONMENTAL JUSTICE ANALYSIS

Following the selection of the final route combinations described in Section 4.4 Final Route Selections, SCE elected to conduct a supplemental analysis to screen for potential environmental justice (EJ) communities within the study area. The following two demographic indicators from the United States Environmental Protection Agency's Environmental Justice Screening and Mapping Tool were used in this process:

- People of Color: The percent of individuals in a Census block group who list their racial status as a race other than white alone and/or list their ethnicity as Hispanic or Latino. That is, all people other than non-Hispanic white-alone[10] individuals.

- Low-Income: The percent of a Census block group's population in households where the household income is less than or equal to twice the federal poverty level.[11]

A Census block group was identified as a potential EJ community if:

- the Census block group's population of people of color exceeded the county average, or
- the Census block group's low-income population exceeded the county average by 10 percent.

As depicted in Figure 9: EJ Demographic Indicator Map, eight Census block groups were identified as potential EJ communities related to the people of color indicator and two additional

[10] The word "alone" in this case indicates that the person is of a single race, not multiracial.

[11] More precisely, percent low-income is calculated as a percentage of those for whom the poverty ratio was known, as reported by the Census, which may be less than the full population in some block groups. The federal poverty level is defined by the Census.

Census block groups were identified as potential EJ communities related to both people of color and low-income indicators. As depicted in Figure 10: Potential EJ Community Map, approximately 90 percent of the study area is within a potential EJ community. In addition, SCE's Cal City, Edwards, Holgate, and Kramer substations are all within or adjacent to potential EJ communities. As a result, it would not be feasible to identify efficient route combinations that avoid potential EJ communities.

4.6 ROUTE DESCRIPTIONS

The subsections that follow describe the end-to-end route for each scope element included as part of a selected route combination. These route combinations are depicted in Figure 7: Option 3 – Preferred Route Map and Figure 8: Option 4 – Alternative Route Map.

4.6.0 Option 3 – Preferred Route Combination

Kramer-Cal City

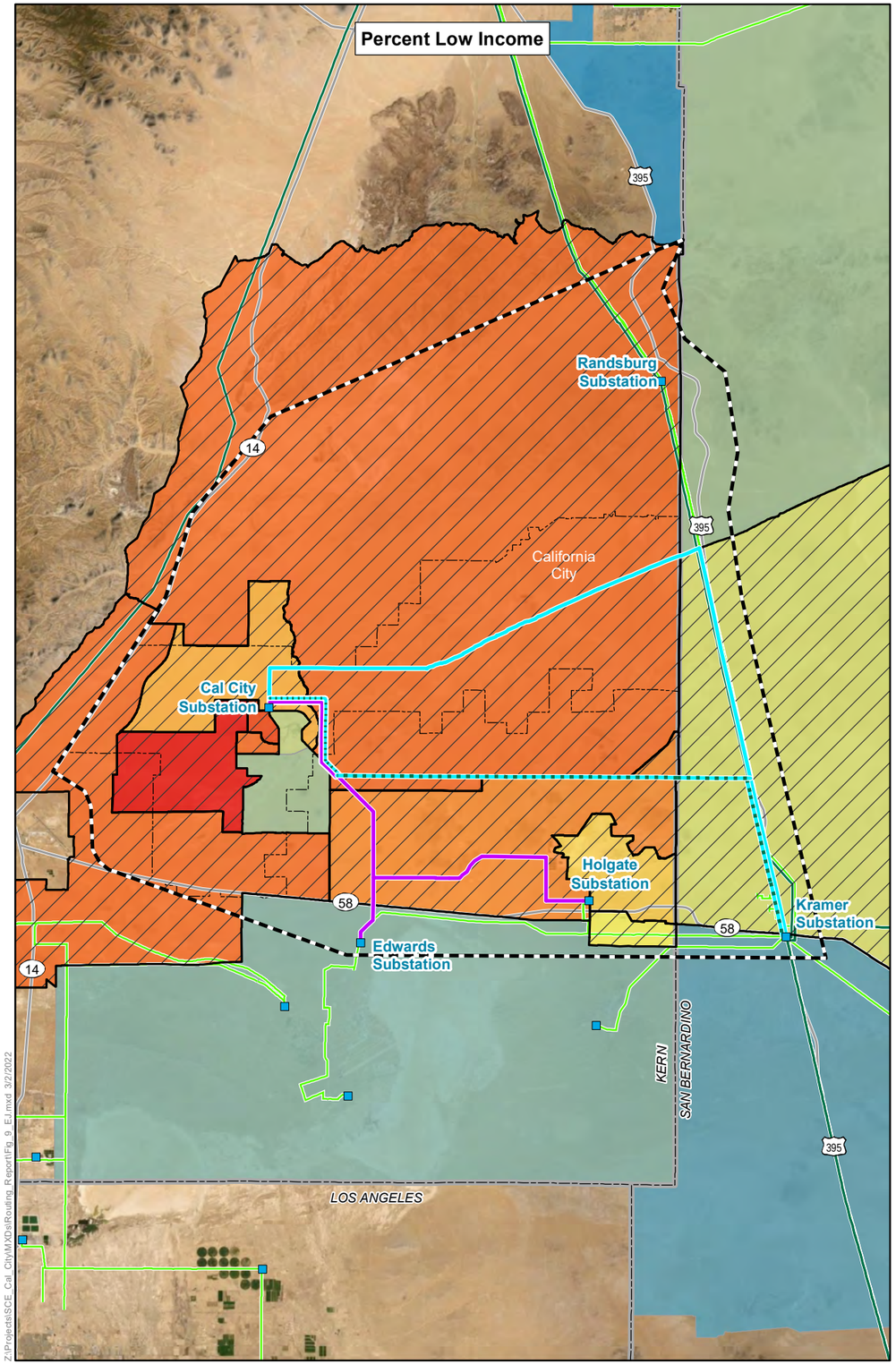
The Kramer-Cal City 115 kV subtransmission line would exit Cal City Substation to the north and travel for approximately 0.3 mile along an existing unnamed dirt road until reaching 90th Street. The line would continue north along 90th Street for approximately 1.5 miles until reaching Rudnick Boulevard. At the intersection of 90th Street and Rudnick Boulevard, the line would turn east and continue for approximately 7.3 miles until reaching 20 Mule Team Parkway Road. The line would then continue northeast along 20 Mule Team Parkway Road for approximately 17.8 miles until reaching Highway 395. At the intersection with the highway, the line would continue southeast and generally parallel to Highway 395 for approximately 18.5 miles before terminating at Kramer Substation.

Cal City-Edwards-Holgate

Option 3 of the Cal City-Edwards-Holgate 115 kV subtransmission line would exit Cal City Substation to the north and travel for approximately 0.3 mile along an existing unnamed dirt road until reaching 90th Street. At the intersection of 90th Street and Lindbergh Boulevard, the line would turn east and continue for approximately 2.5 miles and then turn south for approximately 2.9 miles along unnamed dirt roads. At the intersection with California City Boulevard, the line would head southeast for approximately 3.3 miles until intersecting with 140th Street. The line would then turn south and generally follow 140th Street for approximately 3.1 miles until intersecting Suckow Road.

At this point, the single-circuit tap to Edwards Substation would continue south, crossing over Highway 58, and then generally following Rosamond Boulevard into Edwards Air Force Base for approximately 3.3 miles before terminating at Edwards Substation.

From the intersection of 140th Street and Suckow Road, the line would continue east for approximately 4 miles along Suckow Road until intersecting with Schultz Road. The line would head northeast and generally parallel to Schultz Road for approximately 1.4 miles, and then head east and parallel to an unnamed dirt road for approximately 3 miles. At the intersection with Gephart Road, the line would head south for approximately 2 miles, and then east for approximately 2 miles along an unnamed road before terminating at Holgate Substation.



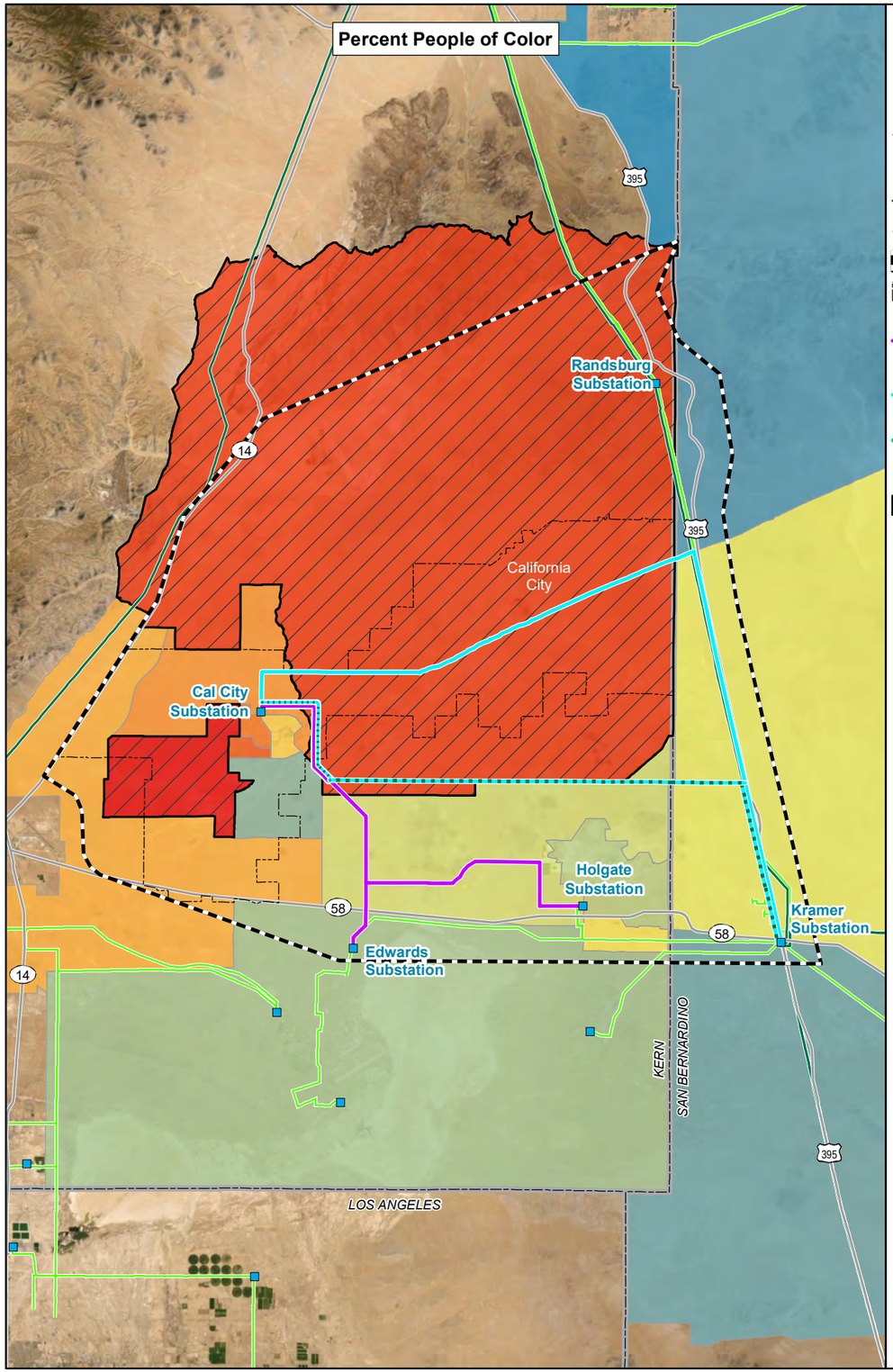


Figure 9:
EJ Demographic Indicator Map

Cal City Substation
115 kV Upgrade Project

- Existing Substation
- Existing 220 kV Transmission Line
- Existing 115 kV Subtransmission Line
- Proposed Routing Study Area
- California City Boundary
- Cal City-Edwards-Holgate 115 kV Subtransmission Line (Preferred and Alternative)
- Cal City-Kramer 115 kV Subtransmission Line (Preferred)
- Cal City-Kramer 115 kV Subtransmission Line (Alternative)
- Potential EJ Community (Census Block Group)

State Percentiles

Percent Low Income	Percent People of Color
6% (6%ile)	17% (4%ile)
18% (30%ile)	20% (7%ile)
33% (57%ile)	21% (7%ile)
36% (60%ile)	31% (16%ile)
41% (66%ile)	34% (19%ile)
43% (69%ile)	35% (19%ile)
47% (74%ile)	37% (21%ile)
48% (75%ile)	45% (29%ile)
49% (76%ile)	46% (30%ile)
53% (80%ile)	50% (34%ile)
57% (84%ile)	55% (39%ile)
62% (88%ile)	62% (46%ile)
63% (89%ile)	64% (48%ile)
	69% (53%ile)
	78% (63%ile)
	83% (70%ile)

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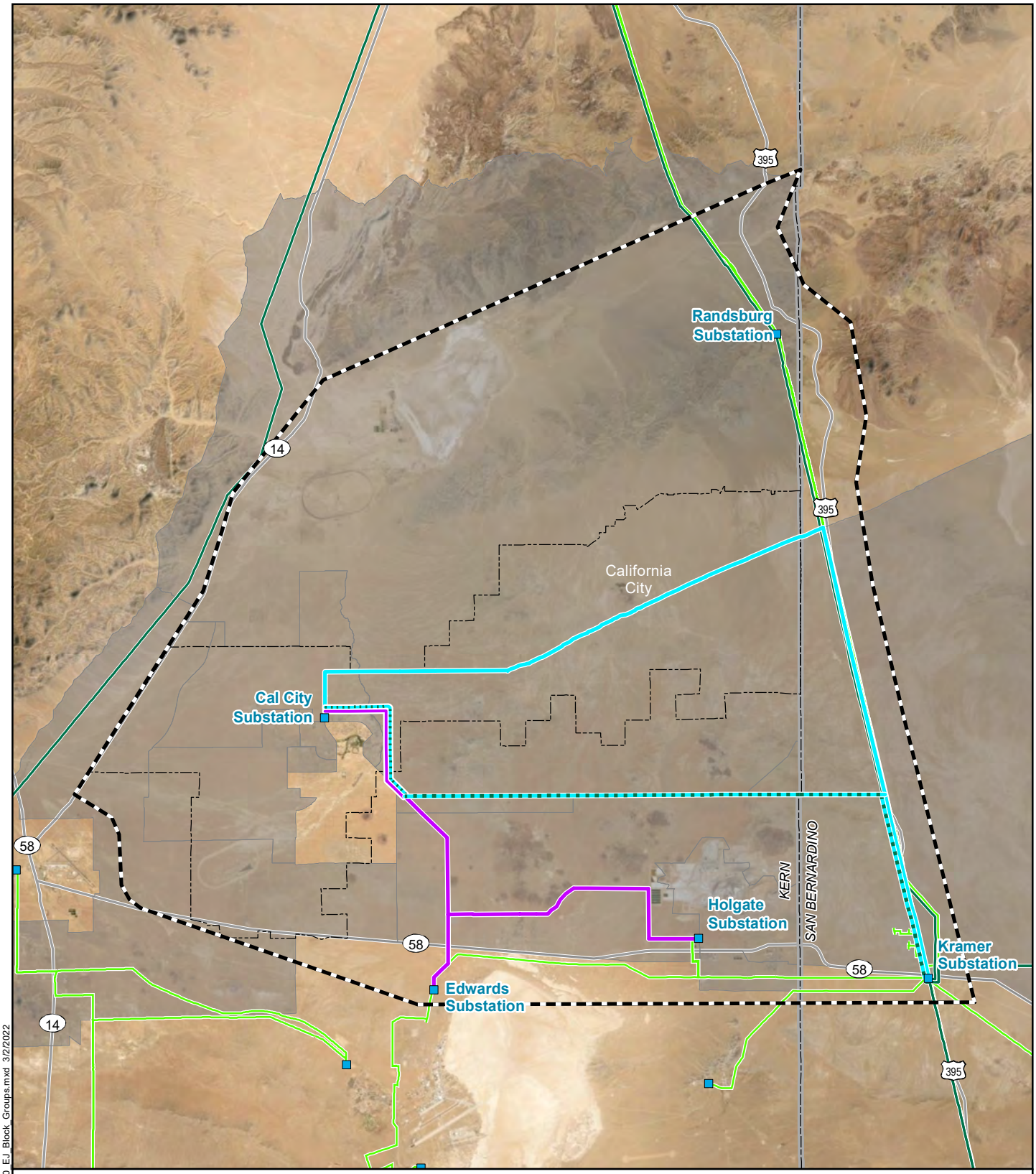

Figure 10: Potential EJ Community Map — **Cal City Substation 115 kV Upgrade Project**

- Cal City-Edwards-Holgate 115 kV Subtransmission Line (Preferred and Alternative)
- Cal City-Kramer 115 kV Subtransmission Line (Preferred)
- Cal City-Kramer 115 kV Subtransmission Line (Alternative)
- Proposed Routing Study Area
- Electrical Needs Area
- California City Boundary
- County Boundary

Existing SCE Facilities

- Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line

- Potential EJ Community Low Income or People of Color (Census Block Group)

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4.6.1 Option 4 – Alternative Route Combination

Kramer-Cal City

The Kramer-Cal City 115 kV subtransmission line would exit Cal City Substation to the north and travel for approximately 0.3 mile along an existing unnamed dirt road until reaching Lindbergh Boulevard. The line would continue east along Lindbergh Boulevard for approximately 2.5 miles. The line would then turn south and continue overland for approximately 2.8 miles until reaching California City Boulevard. The line would then head southeast for approximately 1 mile, reaching Sequoia Boulevard. The line would then travel east along Sequoia Boulevard for approximately 15 miles. The line would continue overland for approximately 4.3 miles until reaching Highway 395. At the intersection with the highway, the line would continue southeast and generally parallel to Highway 395 for approximately 7.6 miles before terminating at Kramer Substation.

Cal City-Edwards-Holgate

Option 4 would utilize the same route for the Cal City-Edwards-Holgate 115 kV subtransmission line scope element as Option 3.

ATTACHMENT A: OCC FACTORS

ATTACHMENT A: OCC FACTORS

Category	Factor	Opportunity	Concern	Constraint
Aesthetics	Visual Character/Quality	Areas with heavy industrial structures, existing above-ground utilities, and/or visually cluttered landscape.	Areas within 100 feet of a school, church, park, or residential area.	Areas with pristine environment, with view corridors, or naturally evolving landscape character; or residential area with lots of existing or future vantage points.
	Locally Valued Places		Areas within 500 feet of an identified or eligible place, landmark or structure in California Registry of Historic Resources (CRHR) or identified in the City/County General Plans as a place of relevance.	Areas within 100 feet of an identified or eligible place, landmark or structure in CRHR or identified in the City/County General Plans as a place of relevance.
	Scenic Highways		Areas between 0.25 and 0.5 mile from a scenic or eligible scenic highway.	Areas within 0.25 mile of a Caltrans Designated Scenic Highway; and/or a highway that is proposed for listing.
Biology	Water Bodies[1]		Areas with known potentially jurisdictional water features.	
	Special-status Species Critical Habitat		Areas within federally designated critical habitat for special-status species.	Areas within federally designated critical habitat for fully protected species
	Special-status Species		Areas with suitable habitat for special-status species or areas considered an Area of Critical Environmental Concern or Desert Conservation Area.	Areas with suitable habitat for fully protected species.
Community	Community Development Guidelines	Areas within designated utility corridors.		
	Planned Future Development			Areas of planned future development (posted on city/county websites) potentially eliminating potential subtransmission lines rights-of-way (ROWs).
Cultural Resources	Cultural Resource Probability		Areas with a moderate or higher probability of encountering significant archaeological/historical resources.	Areas with a high probability of encountering significant archaeological/historical resources.
Design	Availability of ROW	Areas with existing Southern California Edison (SCE) power line ROW with sufficient properties to accommodate an additional 115 kilovolt (kV) power line	Areas with existing SCE power line ROW with the potential to accommodate an additional 115 kV power line	Areas within existing SCE power line ROW without the potential to accommodate an additional 115 kV power line
Geology	Flooding Potential		Areas within a mapped 100-year flood plain.	
	Liquefaction Potential		Areas with very high liquefaction potential.	
	Fault Rupture Hazard Zones		Areas with documented active faults (or A-P Fault Rupture Hazard Zones).	
	Soil Contamination		Parcels with potential known soil contamination according to the Envirostor database	
	Paleontological Sensitivity		Areas with a moderate or higher probability of encountering significant paleontological resources.	Areas with a high probability of encountering significant paleontological resources.
Hazards	Proximity to Natural Gas Pipeline		Areas within 100 feet of underground natural gas pipelines.	Areas within 25 feet of underground natural gas pipelines.
Land Acquisition	Easement/Rights Required		Federally or State-owned areas or Native American/Bureau of Indian Affairs (BIA) where SCE has no existing rights.	Areas with existing or planned conservation easements.

[1] Due to the numerous known waterbodies throughout the study area, this data was not mapped. The majority of the study area should be considered a concern with regard to this factor and site-specific surveys will be conducted at a later date.

Category	Factor	Opportunity	Concern	Constraint
Land Use	Zoning/General Plan Land Use(s)		Areas within 100 feet of public facilities (e.g., schools, hospitals, libraries), parks, open space areas, recreational facilities.	Areas containing public facilities (e.g., schools, hospitals, libraries), parks, open space areas, recreational facilities.
	Airport Land Use Plan		Areas within an Extended Approach/Departure, Primary Traffic Patterns and Runway Buffer Area, and Other Airport Environs zones.	Areas within a Runway Protection, Inner Approach/Departure, and Adjacent to Runway zones.
	Existing Land Use(s) on the Site (Physical)		Areas with existing residential structures.	Areas with existing land uses that would preclude the installation of new overhead facilities.
Wildfire	Fire Threat		Areas within Zone 2 or 3 of the California Public Utilities Commission's (CPUC's) High Fire Threat District	
	Fire Severity		Areas within a high or very high California Department of Forestry and Fire Protection (CAL FIRE) Fire Severity Zone	

ATTACHMENT B: SCORE CRITERIA SHEET

Cal City Substation 115 kV Upgrade Project
Attachment B: Score Criteria Sheet

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
Aesthetics								
Visual Character/Quality	Rincon	Brenda Eells	Heavy industrial structures, existing above-ground utilities, and / or visually-cluttered landscape.	Light industrial area or intensive agricultural landscape character. Existing above-ground utilities.	Route segment is on a local roadway and/or through a residential area with above-ground utilities. Or, segment is in an area with a mix of residential and commercial uses. Or, segment is in an area that has a rural landscape character.	City / County Architectural Development Standards apply to the properties surrounding the segment; segment is within a residential area; or, segment is in an urban / rural interface area (e.g. wildland urban interface), or an area with a pastoral landscape character.	Route segment is within a pristine environment with view corridors or naturally evolving landscape character; or residential area with lots of existing or future vantage points. Segment is in an area with no above-ground utility structures.	Does not meet project objectives (Provide detailed explanation).
Locally Valued Places	GIS	Brenda Eells	Proposed route segment is not visible from an identified or eligible place, landmark or structure in CRHR or identified in the City / County General Plans as a place of relevance.	There is an identified or eligible place, landmark or structure in the CRHR, or identified in the City / County General Plans as a place of relevance within the vicinity of the proposed route segment but but man-made visual clutter and / or natural terrain would completely block or obscure view of the site from the place of relevance.	There is an identified or eligible place, landmark or structure in CRHR or identified in the City / County General Plans as a place of relevance within the vicinity of the route segment, but not directly adjacent to the segment. The view of the segment from the place is partially or largely (but not completely) obscured by man-made visual clutter and / or natural terrain.	Proposed route segment is in the vicinity of and partially to wholy visible from an identified or eligible place, landmark or structure in CRHR or identified in the City / County General Plans as a place of relevance. While visible from the place, the segment is not directly adjacent to the place of note.	Proposed route segment would directly impact or is within 100 feet of an identified or eligible place, landmark or structure in CRHR or identified in the City / County General Plans as a place of relevance.	Does not meet project objectives (Provide detailed explanation).
Impacts to Scenic Vistas	Rincon	Brenda Eells	No impacts to any viewsheds or scenic vistas.	Minor change to undesignated scenic vistas or viewsheds.	Minor change to designated scenic vista or viewshed or moderate change to undesignated scenic vista or viewshed. Consider number of residential or recreational viewers of the project.	Site would partially block view of officially designated scenic vista or viewshed. (list the specific designation and designating agency). Consider number of residential or recreational viewers of the project.	Blocks or markedly impedes officially designated scenic vista or viewshed (list the specific designation and designating agency). Site is in the foreground view of large number of viewers who would otherwise / also be viewing the scenic vista.	Does not meet project objectives (Provide detailed explanation).

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
Scenic Highways	Rincon	Brenda Eells	There is no scenic highway or corridor w/in the project area or the route segment is not in the viewshed / is fully obscured from view of a locally-designated scenic corridor or road.	There is a scenic highway (eligible or designated State, County or Federal) within or adjacent to the project area, but man-made visual clutter and / or natural terrain would completely block or obscure view of the route segment from the highway. Or, segment would blend with the visual clutter or terrain already visible from the highway. Or, the segment is partially obscured from view of a locally-designated scenic corridor or road.	The route segment can be seen from an eligible (but not designated) scenic highway, but e3isting visual clutter, built environment, or natural terrain would partially obscure views of the segment from the scenic highway. Segment would be a noticeable feature within the landscape with minimal blending and would be visible from a locally-designated scenic corridor or road.	The route segment is located along or is adjacent to and fully visible from a locally designated scenic corridor or road, or an eligible but not designated State scenic highway; or, it is present and visible (but not adjacent to) and can be seen from a scenic highway, and man-made visual clutter or natural terrain would not obscure views of the segment from the highway. Route segment would be a noticeable feature within the landscape, and would not blend with the existing visual clutter, built environment, or natural terrain as viewed from the scenic highway.	Route segment can be seen from or is along a scenic corridor, or along a Caltrans Designated Scenic Highway, and/or a highway that is proposed for listing, or is listed, on the National Register of Historic Places, or California Register for Historic Resources. A “Corridor Protection Plan” exists for the area.	Does not meet project objectives (Provide detailed explanation).
Biology								
Wildlife Corridors	Rincon	John Hindley	No wildlife movement; (Project surrounded by developed areas with no habitat, project area does not connect habitat or open space areas)	Low potential for wildlife movement. (eg. Disturbed or low quality habitat in project area with limited connection to other habitat areas)	Moderate potential for wildlife movement (e.g. Project area provides connection to other habitat areas)	Moderate potential for wildlife movement and project will not significantly impede movement (eg. Project area connects native habitat and project will not significantly impede wildlife movement project area is in known or designated wildlife corridor)	High potential for wildlife movement and project will impede wildlife movement; (eg. Project area connects native habitat and project will impede wildlife movement, project area is in known or designated wildlife corridor)	Does not meet project objectives (Provide detailed explanation).
Avian Collision	Rincon	John Hindley	No collision risk (eg. Developed areas; not in bird flight path or critical habitats)	Low potential for collision risk (eg. Low use by birds, habitat quality low)	Moderate potential for collision risk (Line will be placed in existing ROW; Line is in proximity to where birds are landing and taking off. Other transmission lines already exist in proximity to proposed line with no known issues).	Moderate potential for avian collision (Line divides roosting and feeding habitats; Line is in close proxilmity to where birds are landing and taking off. No other transmission lines in area.)	High Potential for avian collision (eg. Line divides roosting and feeding habitats; Line is in proximity to where a high concentration of birds aree landing and taking off. No other transmission lines in area)	Does not meet project objectives (Provide detailed explanation).

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
Permitting Time Required	Rincon	John Hindley	Approx. 1 year or less permitting required	Approx. 2 years or less permitting required	Approx. 3 years or less permitting required	Approx. 4 years or less permitting required	Approx. 5 years or less permitting required	Does not meet project objectives (Provide detailed explanation).
Water Bodies	GIS	Bradley Jacobsen	No known water body within 500' of site	Waterbody within 500' of site, no vegetation or habitat for listed species, potential indirect impact	Water body within 500' of site, riparian vegetation present, no/low potential for listed species	Within jurisdictional waterway. No/low potential for listed species. Potential direct impacts.	Within a jurisdictional waterway, has listed species, potential direct impacts	Does not meet project objectives (Provide detailed explanation).
Special-status Species	Rincon	John Hindley	No known biological sensitivities, disturbed land (e.g. No T&E or sensitive species (sp. of concern or CNPS list, wetlands)	Some potential biological sensitivities, potential for permit (e.g. Potential for sensitive species, no T&E species, lower quality habitat)	T&E species likely to be in general area, medium to good quality habitat (e.g. Potentially suitable habitat, no T&E species from CNDDB in project area, but T&E species in adjacent areas)	Has T&E species, requires species specific surveys.Permit likely with mitigation (e.g. T&E species present, species specific surveys, permits likely and mitigation)	T&E species, extensive mitigation, likely opposition; alternative site recommended (e.g. T&E species, extensive mitigation, permit difficult to aquire)	Does not meet project objectives (Provide detailed explanation).
Community								
Potential Route Segment-Specific Stakeholders (schools, churches, community centers, etc.)	SCE	Calvin Rossi	There are no groups that would likely intervene with project siting.	Low likelihood of groups with an interest in the route segment or lands directly adjacent to intervene with project siting.	Potential for groups with an interest in the route segment or lands direclty adjacent to organize and intervene. Potential route segment ROW is not owned by groups with potential interest.	Route segment or lands directly adjacent are the subject of interest of an existing organized group and/or is owned by a stakeholder group (i.e. Land Trust, Conservation Agency, church, school district, etc.).	Existing, organized groups are very likely to actively intervene in the siting process if this route segment is carried forward. Groups have expressed intent to intervene and/or have intervened with prior proposed projects along the route segment.	Does not meet project objectives (Provide detailed explanation).
Community Development Guidelines	Insignia	Calvin Rossi	Area has no established guidelines for development design standards.	Some guidelines exist but have not been implemented (e.g. existing development pattern includes a mix of styles and/or is incohesive).	Some guidelines exist but do not specifically address utility or infrastructure development. Guidelines are not fully implemented in vicinity of the route segment.	Design guidelines exist and are fully implemented in the vicinity of the site, but do not specifically address utility or infrastructure development.	Local development guidelines and / or community plans specifically constrain or prohibit new infrastructure or infrastructure upgrades (e.g. segment is located in an underground district). Formal design guidelines are in place and evident in existing development.	Does not meet project objectives (Provide detailed explanation).
Current / Past Controversy Along or Near the Route Segment	SCE	Calvin Rossi	No prior controversy along or near the route segment.	--	Any prior controversy at or near the route segment (regardless of project type involved in the controversy).	--	Prior organized community opposition to related industrial development(s) at or near the route segment.	Does not meet project objectives (Provide detailed explanation).

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
Planned Future Development Near the Route Segment	GIS	Calvin Rossi	No known development planned or in progress in the area. Easement or ROW for route segment is part of a developer's plan (e.g. would be included in the developer's EIR / EIS).	--	Route segment is located in an undeveloped area and / or redevelopment zone but there are no pending plans for the area.	--	Planned future development potentially incompatible with subtransmission line.	Does not meet project objectives (Provide detailed explanation).
Cultural Resources								
Paleontological Resources	Rincon	Jennifer DiCenzo	Low probability of encountering sensitive paleontological resources.	Moderate probability of encountering sensitive paleontological resources.	High probability of encountering sensitive paleontological resources.	--	--	Does not meet project objectives (Provide detailed explanation).
Cultural Resources	GIS	Alyssa Newcomb	Low probability of encountering significant archaeological / historical resources.	Moderately low probability of encountering significant archaeological / historical resources.	Moderate probability of encountering significant archaeological / historical resources.	Moderately high probability of encountering significant archaeological / historical resources.	High probability of encountering significant archaeological / historical resources.	Does not meet project objectives (Provide detailed explanation).
Cultural Resources Permitting Time	Rincon	Alyssa Newcomb	Private/public land with no federal nexus, CEQA compliance -- low to moderate probability to encounter significant resources.	Private/public land with federal nexus, NHPA Section 106 Consultation & CEQA compliance -- low to moderate probability to encounter significant resources.	Private/public land with no federal nexus, CEQA compliance -- moderate probability to encounter significant resources.	Private/public land with federal nexus, NHPA Section 106 Consultation & CEQA compliance -- moderate probability to encounter significant resources.	Private/public land with federal nexus, NHPA Section 106 Consultation and CEQA compliance -- high probability to encounter significant resources.	Does not meet project objectives (Provide detailed explanation).
Native American Resource Issues	Rincon	Alyssa Newcomb	No known or potential for Native American or other ethnic issues.	Low potential for Native American or other ethnic issues either based on cultural resource data and/ or inactive or dispersed NA or ethnic community.	Moderate potential for Native American or ethnic issues due to the presence of sensitive cultural resources and/ or an active NA or ethnic community.	Moderate to high potential due to the presence of cultural resources considered important to the NA community, Tribal Lands, and/ or an active NA or ethnic community.	Highly sensitive cultural properties, tribal lands, and likely vehemently opposed Native American or other ethnic community in the project area.	Does not meet project objectives (Provide detailed explanation).
Subtrans/Trans Design Mgmt								
Slope of Segment	GIS	Chad Packard/ Britton Miller/ Balmores Marin	Segment has completely flat terrain with good / safe construction and maintenance access.	Terrain is moderately sloped or curved (slopes greater than 3%, less than 5%). Good / safe construction and maintenance access.	Terrain is steep and/or rugged for a portion of the segment. Average access for construction and maintenance.	Majority of segment is very steep and/or rugged terrain (slope greater than 5%, less than 8%). Poor access for construction and maintenance.	Entire segment slope greater than 8.0%. Entire segment is hilly with minimal opportunities to work around the slopes.	Does not meet project objectives (Provide detailed explanation).
Remove / Replace Existing Structures	SCE	Chad Packard/ Britton Miller/ Balmores Marin	Existing transmission structures along segment and/or substructure with vacancy available. Minimal replacements or upgrade only anticipated.	Possible modifications to existing transmission structures to accommodate new circuit or line.	New structures required. No existing distribution or subtransmission facilities present.	New structures required; would require some relocation of existing transmission.	New structures required; requires significant effort to accommodate subtransmission or transmission.	Does not meet project objectives (Provide detailed explanation).

Cal City Substation 115 kV Upgrade Project
Attachment B: Score Criteria Sheet

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
Pole/Tower Design	SCE	Chad Packard/ Britton Miller/ Balmores Marin	Standard SCE overhead construction throughout.	Standard SCE overhead construction with minimal custom or specialized engineering necessary.	Mixed standard and non-standard design towers.	Multiple engineered TSP or tower using non-standard structures with complicated design factors.	Unique structures require high level of engineering. Non-standard design	Does not meet project objectives (Provide detailed explanation).
Permits and Restrictions	SCE	Chad Packard/ Britton Miller/ Balmores Marin	Low-impact permits anticipated along transmission route segment. Based on anticipated permit type(s), permits would not be anticipated to add significant time or cost to the project.	Medium-impact permits anticipated along transmission route segment anticipated to add minimal time or cost to the project.	Multiple medium and low impact permits anticipated along transmission route segment. Permitting process could add time and/or moderate costs to the project.	Multiple permits likely, including at least one of a more time consuming / costly nature (e.g. airport, flood control crossing, caltrans ROW, etc.) and/or large amount of unknown information about required permits.	Multiple permits required with a degree of complexity expected to add time and cost to the project.	Does not meet project objectives (Provide detailed explanation).
Surface and Subsurface Obstacles (Visual Observation Only)	SCE	Chad Packard/ Britton Miller/ Balmores Marin	No apparent overhead or underground obstacles (pipes, trees, etc.)	A few known overhead or underground obstacles which can be avoided with little effort.	Multiple underground and/or overhead obstacles. Can be mitgated.	Multiple underground and/or overhead obstacles. Requires extensive effort to mitigate.	Extensively known underground or overhead obstacles which negate any possibility of mitigation in route segment.	Does not meet project objectives (Provide detailed explanation).
Difficulty Scheduling Outages on Existing Lines to Proceed with Construction	SCE	Chad Packard/ Britton Miller/ Balmores Marin	No outages required.	Outages required. (Switchable).	Multiple outages Trans and Distribution required. (Switchable).	Outage restriction. Requires PM and Weekend work.	Major Outage Required. Customer Outage. May require temporary line construction.	Does not meet project objectives (Provide detailed explanation).
Availability of ROW for O&M	SCE	Chad Packard/ Britton Miller/ Balmores Marin	Likely no new ROW required.	Possible existing ROW of sufficient width. Likely able to use existing ROW pending Rights Check information.	Existing distribution route along segment. Upgraded rights likely required.	ROW width slightly deficient. Special and / or more numerous structures required.	All new ROW required. Extremely steep and/or rugged terrain. Poor access for maintenance.	Does not meet project objectives (Provide detailed explanation).
Terrain along Segment	SCE	Chad Packard/ Britton Miller/ Balmores Marin	Terrain flat with good maintenance access.	Terrain moderately sloped/curved. Good maintenance access.	Very steep and/or rugged terrain. Average access for maintenance.	Special and/or more numerous structures required. Very steep and/or rugged terrain. Poor access for maintenance.	Special and/or more numerous structures required. Extremely steep and/or rugged terrain. Poor access for maintenance.	Does not meet project objectives (Provide detailed explanation).
Access to the Segment for Construction / Operations	SCE	Chad Packard/ Britton Miller/ Balmores Marin	Existing roads/streets to the segment; sufficient turning space for large vehicles and loads.	Existing access to the segment. Minimal additional grading / construction would be required.	Some existing and some new roads required to access segment. Spur roads may be necessary. (Please indicate approximate percent of segment for which new road would be required).	Majority of segment will require new access roads and/or spur roads.	Lengthy, level, relatively straight road has to be built to get to the segment. Segment is not accessible.	Does not meet project objectives (Provide detailed explanation).

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
Constructability - Trans Project Delivery								
Slope of Segment for Access Roads	SCE	Joel Bondoc	Segment has completely flat terrain with good / safe construction and maintenance access.	Terrain is moderately sloped or curved (slopes greater than 3%, less than 5%). Good / safe construction and maintenance access.	Terrain is steep and/or rugged for a portion of the segment. Average access for construction and maintenance.	Majority of segment is very steep and/or rugged terrain (slope greater than 5%, less than 8%). Poor access for construction and maintenance.	Entire segment slope greater than 8.0%. Entire segment is hilly with minimal opportunities to work around the slopes.	Does not meet project objectives (Provide detailed explanation).
Constructability-Pole/Tower Design for Subtransmission	SCE	Joel Bondoc	Standard SCE overhead construction throughout.	Standard SCE overhead construction with switches, taps or underbuild.	Engineered TSPs, high speed or 3-way switches. riser poles or underbuild.	Multiple engineered TSP w/ taps, risers, switches and/or underbuild.	Unique structures require high level of engineering. Non-standard design (i.e. all tubular steel pole line and / or lattice towers).	Does not meet project objectives (Provide detailed explanation).
Constructability - Permits and Restrictions	SCE	Joel Bondoc	Low-impact permits anticipated along transmission route segment. Based on anticipated permit type(s), permits would not be anticipated to add significant time or cost to the project.	Medium-impact permits anticipated along transmission route segment anticipated to add minimal time or cost to the project.	Multiple medium and low impact permits anticipated along transmission route segment. Permitting process could add time and/or moderate costs to the project.	Multiple permits likely, including at least one of a more time consuming / costly nature (e.g. airport, flood control crossing, caltrans ROW, etc.) and/or large amount of unknown information about required permits.	Multiple permits required with a degree of complexity expected to add time and cost to the project.	Does not meet project objectives (Provide detailed explanation).
Surface and Subsurface Obstacles (Visual Observation Only)	SCE	Joel Bondoc	No apparent overhead or underground obstacles (pipes, trees, etc.)	A few known overhead or underground obstacles which can be avoided with little effort.	Multiple underground and/or overhead obstacles. Can be mitgated.	Multiple underground and/or overhead obstacles. Requires extensive effort to mitigate.	Extensively known underground or overhead obstacles which negate any possibility of mitigation in route segment.	Does not meet project objectives (Provide detailed explanation).
Access to the Segment for Construction	SCE	Joel Bondoc	Existing roads/streets to the segment; sufficient turning space for large vehicles and loads.	Existing access to the segment. Minimal additional grading / construction would be required.	Some existing and some new roads required to access segment. Spur roads may be necessary. (Please indicate approximate percent of segment for which new road would be required).	Majority of segment will require new access roads and/or spur roads.	Lengthy, level, relatively straight road has to be built to get to the segment. Segment is not accessible.	Does not meet project objectives (Provide detailed explanation).
Access Roads Needed for Construction	SCE	Joel Bondoc	Existing roads and ROWs acceptable. No access concerns at this time.	Existing roads and ROWs require some minor grading.	Existing roads and ROWs require minor grading and tree trimming. If possible, document approximate location and length of access roads needed.	Existing roads and ROWs require major grading, tree trimming and removal (permits required). If possible, document approximate location and length of access roads needed.	No existing access. Requires new roads. Major grading and tree trimming and removal. Potential fly-in location.	Does not meet project objectives (Provide detailed explanation).
Terrain along Segment	SCE	Joel Bondoc	Terrain flat with good maintenance access.	Terrain moderately sloped/curved. Good maintenance access.	Very steep and/or rugged terrain. Average access for maintenance.	Special and/or more numerous structures required. Very steep and/or rugged terrain. Poor access for maintenance.	Special and/or more numerous structures required. Extremely steep and/or rugged terrain. Poor access for maintenance.	Does not meet project objectives (Provide detailed explanation).

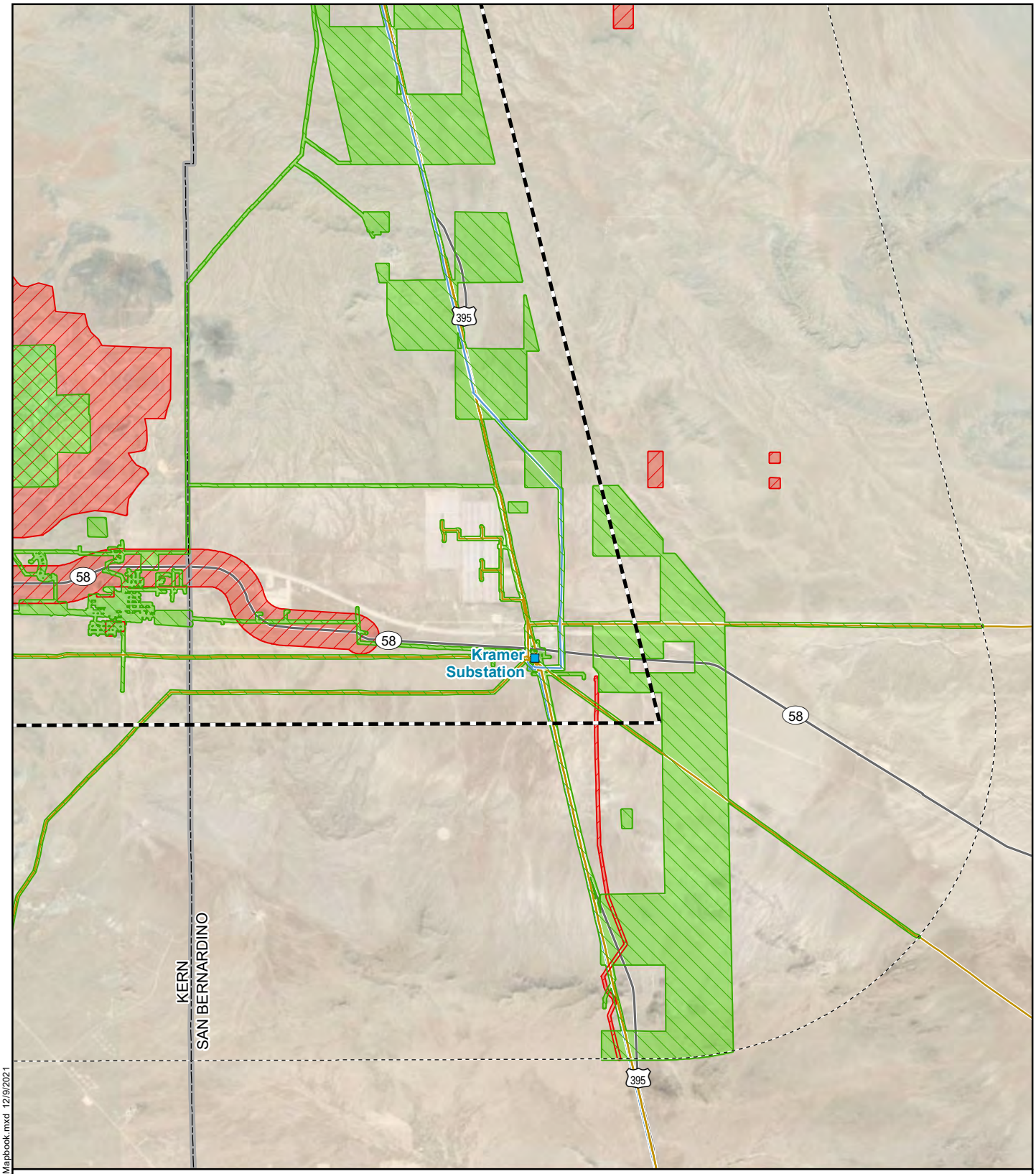
Cal City Substation 115 kV Upgrade Project
Attachment B: Score Criteria Sheet

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
Availability of ROW for Construction	SCE	Joel Bondoc	Likely no new ROW required.	Possible existing ROW of sufficient width. Likely able to use existing ROW pending Rights Check information.	Existing distribution route along segment. Upgraded rights likely required.	ROW width slightly deficient. Special and / or more numerous structures required.	All new ROW required. Extremely steep and/or rugged terrain. Poor access for construction.	Does not meet project objectives (Provide detailed explanation).
Electrical Needs - Field Engineering								
Difficulty Scheduling Outages on Existing Lines to Proceed with Construction	SCE	Haroun Idris	No outages required.	Outages required. (Switchable).	Multiple outages Trans and Distribution required. (Switchable).	Outage restriction. Requires PM and Weekend work.	Major Outage Required. Customer Outage. May require temporary line construction.	Does not meet project objectives (Provide detailed explanation).
Remove / Replace / Relocate Existing Distribution Structures	SCE	Haroun Idris	No new distribution facilities needed along segment and no distribution crossings.	Possible modifications to existing structures to accommodate distribution facilities needed for project or to accommodate crossing of existing distribution facilities.	Some relocation or replacement of existing structures required to accommodate crossing of existing distribution facilities.	Some new structures required; would require some relocation or replacement of existing structures.	New structures required; requires significant effort to accommodate distribution needs.	Does not meet project objectives (Provide detailed explanation).
Civil Engineering - Access Roads								
Access to the Segment for Construction / Operations	SCE	Ruben Mazzei	Existing roads/streets to the segment; sufficient turning space for large vehicles and loads.	Existing access to the segment. Minimal additional grading / construction would be required.	Some existing and some new roads required to access segment. Spur roads may be necessary. (Please indicate approximate percent of segment for which new road would be required).	Majority of segment will require new access roads and/or spur roads.	Lengthy, level, relatively straight road has to be built to get to the segment. Segment is not accessible.	Does not meet project objectives (Provide detailed explanation).
Access Roads Needed	SCE	Ruben Mazzei	Existing roads and ROWs acceptable. No access concerns at this time.	Existing roads and ROWs require some minor grading.	Existing roads and ROWs require minor grading and tree trimming. If possible, document approximate location and length of access roads needed.	Existing roads and ROWs require major grading, tree trimming and removal (permits required). If possible, document approximate location and length of access roads needed.	No existing access. Requires new roads. Major grading and tree trimming and removal. Potential fly-in location.	Does not meet project objectives (Provide detailed explanation).
Access Roads Needed for Construction	SCE	Ruben Mazzei	Existing roads and ROWs acceptable. No access concerns at this time.	Existing roads and ROWs require some minor grading.	Existing roads and ROWs require minor grading and tree trimming. If possible, document approximate location and length of access roads needed.	Existing roads and ROWs require major grading, tree trimming and removal (permits required). If possible, document approximate location and length of access roads needed.	No existing access. Requires new roads. Major grading and tree trimming and removal. Potential fly-in location.	Does not meet project objectives (Provide detailed explanation).

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
EMF								
Setbacks from Prioritized Land Uses	GIS	Bradley Jacobsen	Near undeveloped, agricultural, or US Forest Service land	Near recreational or park lands	Site is located near commercial, industrial or, agricultural or undeveloped lands with scattered residences	Near more densely populated residential areas, licensed day care and hospitals, or schools (but beyond the CDE setback guidance - see "Score 5")	Within CDE guidance setbacks from a school: 66 and 115kV lines - 100 feet, 230 kV lines - 150 feet, and 500 kV lines - 350 feet	Does not meet project objectives (Provide detailed explanation).
Geology								
Adverse Soil Conditions Along Segment	Insignia	Rob Curley	No known adverse soil conditions along segment.	Low likelihood for adverse soil conditions along segment.	--	--	Documented adverse soil conditions along segment.	Does not meet project objectives (Provide detailed explanation).
Erosion Potential	Insignia	Rob Curley	No problem	Low likelihood of erosion potential.	Moderate likelihood of erosion potential.	--	High likelihood of erosion potential.	Does not meet project objectives (Provide detailed explanation).
Flooding Potential	GIS	Bradley Jacobsen	No visible watercourse or natural drainage on or near the segment.	--	--	--	Serious documented flood hazards associated with the segment.	Does not meet project objectives (Provide detailed explanation).
Slope Stability/Landslide Hazards	Insignia	Rob Curley	No documented landslides at or surrounding the segment.	--	--	--	Major, documented landslide at or directly above the segment.	Does not meet project objectives (Provide detailed explanation).
Liquefaction Potential	GIS	Bradley Jacobsen	Very low or no liquefaction potential.	--	--	--	Very high liquefaction potential.	Does not meet project objectives (Provide detailed explanation).
Fault Rupture Hazard Zones	GIS	Bradley Jacobsen	No active or potentially active documented faults crossing adjacent to or beneath the segment.	--	--	--	Presence of documented active fault (or A-P Fault Rupture Hazard Zone) crossing adjacent to or beneath the segment.	Does not meet project objectives (Provide detailed explanation).
Soil Contamination	GIS	Bradley Jacobsen	No or very low likelihood of soil contamination.	Low likelihood of soil contamination.	Moderate likelihood of soil contamination.	--	High likelihood of soil contamination.	Does not meet project objectives (Provide detailed explanation).
Land Acquisition								
Easement/Rights Required	GIS	Bradley Jacobsen	No new rights required; franchise; or, existing corridor with sufficient rights for proposed segment.	Lands underlying segment owned by a partnership / trust; business; corporation; multiple owners; or, would require an upgrade of existing rights on government-owned lands.	Lands underlying segment owned by City, State or County.	Lands underlying segment have federal ownership and SCE has no existing rights; or encroachments are visible along all or a portion of the segment (based on field observation).	All new easement acquision required.	Does not meet project objectives (Provide detailed explanation).
Land Use								
Zoning / General Plan Land Use(s) Surrounding the Segment	Insignia	Lily Matlof	Industrial	Business Park / Office, Agriculture	Commercial	Residential, Mixed Use	Public Facilities (school, hospital, library, etc.), Park, Open Space, Recreation, Airport, Utilities	Does not meet project objectives (Provide detailed explanation).

Category	Responsible Company	Responsible Party	Scoring Criteria					
			1	2	3	4	5	F
Existing Land Use(s) Surrounding the Segment	Insignia	Lily Matlof	Vacant, Industrial	Business Park / Office, Agriculture	Commercial	Residential, Mixed Use	Public Facilities (school, hospital, library, etc.), Park, Open Space, Recreation, Airport, Utilities	Does not meet project objectives (Provide detailed explanation).
Special Districts, Specific Plans, Redevelopment Project Area	Insignia	Lily Matlof	Route segment is not located in a special district, specific plan or redevelopment project area.	Potential for Specific Plan (e.g. General Plan has called it out but Plan is not developed and/or approved yet). Site is in the sphere of influence of a city and / or is in a County Area Plan.	Route segment is located in a Specific Plan, designated Scenic Highway corridor, or in an area with design / development guidelines (e.g. lighting, walls, landscaping).	Route segment is in a Special District, has an Overlay Zone or is part of a Redevelopment Project Area.	Multiple plans / overlay zones are applicable to the site.	Does not meet project objectives (Provide detailed explanation).
Airport Land Use Plan	GIS	Bradley Jacobsen	Route is not located in an Airport Land Use Plan Area.	Route is 20,000 feet from the nearest point of the nearest runway. May interfere with ancillary airport uses.	Route is located in Zone E (Other Airport Environs) of an Airport Land Use Plan. Airspace Review will be required for structures over 100 feet tall.	Route is located in Zone C (Extend Approach / Departure Zone) or D (Primary Traffic Patterns and Runway Buffer Area) of an Airport Land Use Plan. Airspace Review required for structures over 70 feet tall.	Route is located in Zone B1 (Inner Approach / Departure Zone) or B2 (Adjacent to Runway) of an Airport Land Use Plan. Airspace review required for structures over 35 feet tall.	Does not meet project objectives (Provide detailed explanation).
IT/Telecom								
Cable Distance to Existing Telecom Facilities	SCE	Fred Moreno	No distance; co-located.	Within 1/2 mile.	1/2 mile to 1 mile.	1 to 3 miles.	More than 3 miles.	Does not meet project objectives (Provide detailed explanation).
Telecommunications Permitting Requirements (ROW, easements, franchise, etc.)	SCE	Fred Moreno	No permits or restrictions likely for telecom route.	One jurisdiction; few permits likely.	One jurisdiction; potential for one crossing (freeway, railroad, flood control, etc.) based on the route segment location.	Multiple jurisdictions; Rule 20 areas; freeway crossings; railroad crossings; potential for multiple crossings.	Outside of SCE territory; federal lands/agencies (USFS, BLM, Army Corps, military, etc.); Large number/multiple easements could be required.	Does not meet project objectives (Provide detailed explanation).
Telecommunications Route Constructability	SCE	Fred Moreno	Existing, accessible OH pole line along route segment.	Some existing OH and some new OH with potential existing UG available along segment.	Combination of existing and new OH and UG telecom lines likely along segment.	All new OH and/or UG telecom lines likely along segment.	All new UG telecom lines required along segment.	Does not meet project objectives (Provide detailed explanation).
Wildfire								
Fire Threat	GIS	Bradley Jacobsen	Outside CPUC fire threat areas	--	Inside CPUC fire threat zone 2	Inside CPUC fire threat zone 3	--	Does not meet project objectives (Provide detailed explanation).
Fire Severity	GIS	Bradley Jacobsen	Outside FRAP fire severity zones	Inside moderate frap zone	Inside high frap zone	Inside very high frap zone	--	Does not meet project objectives (Provide detailed explanation).

ATTACHMENT C: OCC RESULTS MAP



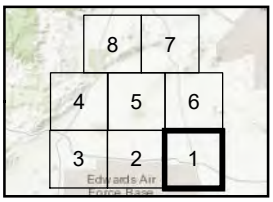
Attachment C: OCC Results Map 1 of 8

Cal City Substation 115 kV Upgrade Project

OCC Results
- Areas of Opportunity
- Areas of Constraint

- Proposed Routing Study Area
- 5-Mile Study Area Buffer
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

- Existing SCE Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line



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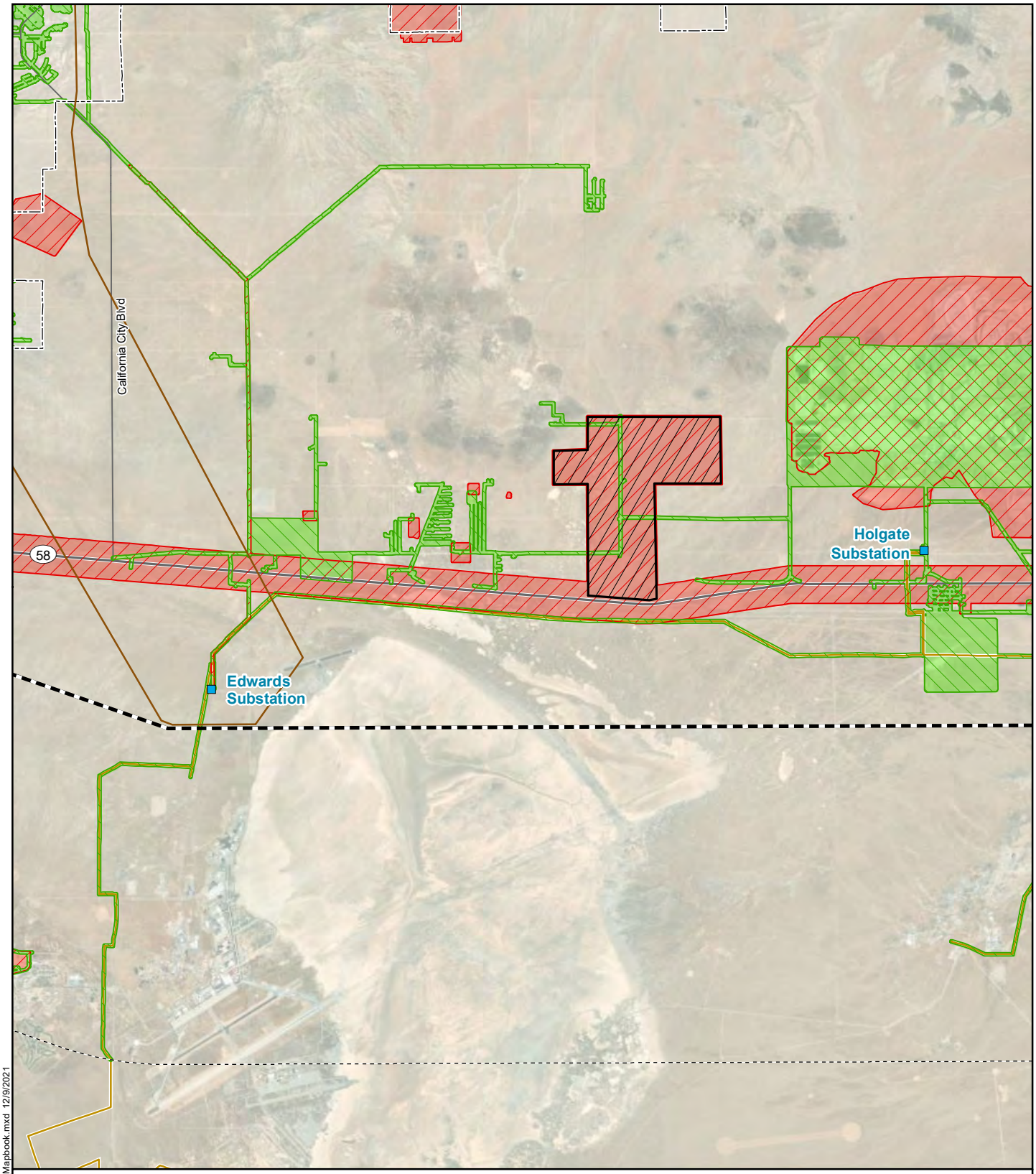


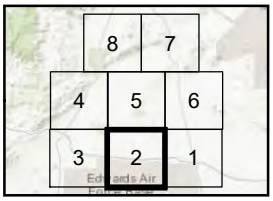
Attachment C: OCC Results Map 2 of 8

Cal City Substation 115 kV Upgrade Project

OCC Results
- Areas of Opportunity
- Areas of Constraint

- Proposed Routing Study Area
- 5-Mile Study Area Buffer
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

- Existing SCE Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line



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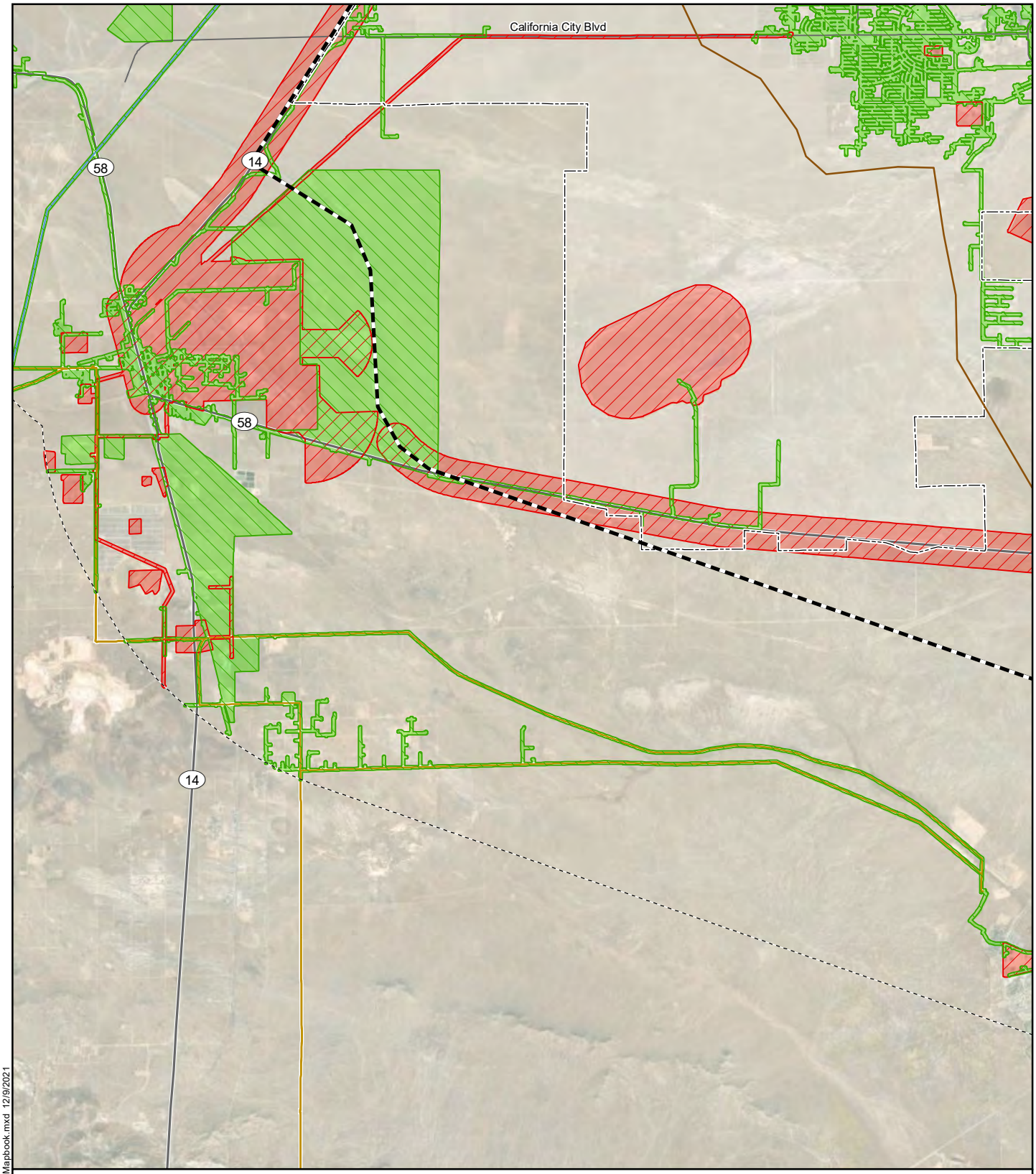


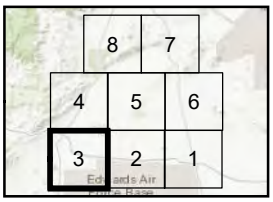
Attachment C: OCC Results Map 3 of 8

Cal City Substation 115 kV Upgrade Project

OCC Results
- Areas of Opportunity
- Areas of Constraint

- Proposed Routing Study Area
- 5-Mile Study Area Buffer
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

- Existing SCE Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line



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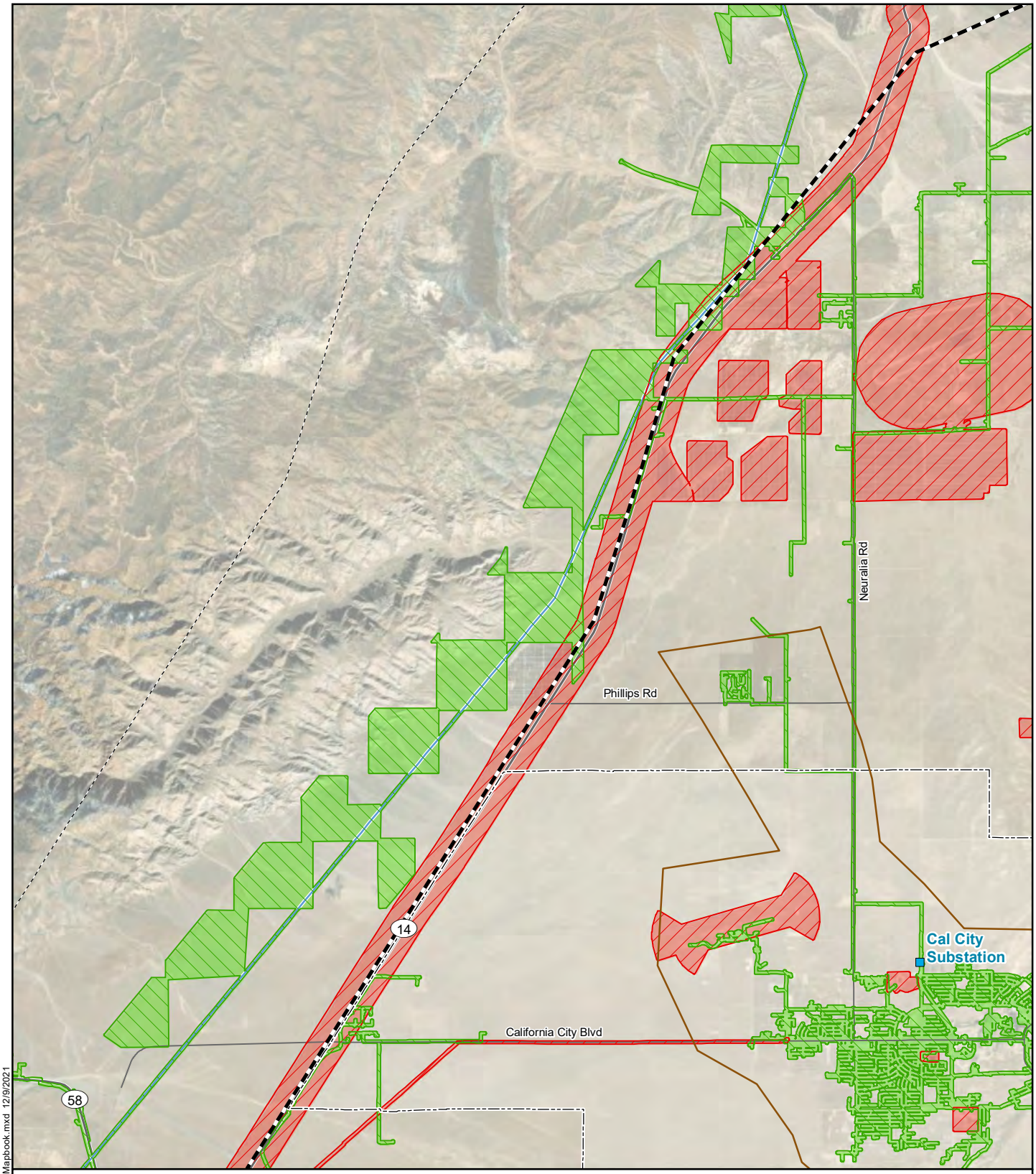


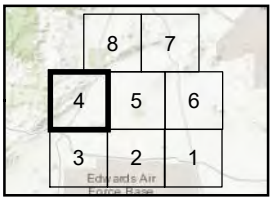
Attachment C: OCC Results Map 4 of 8

Cal City Substation 115 kV Upgrade Project

OCC Results
- Areas of Opportunity
- Areas of Constraint

- Proposed Routing Study Area
- 5-Mile Study Area Buffer
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

- Existing SCE Substation
- 220 kV Transmission Line
- 115 kV Subtransmission Line



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INSIGNIA ENVIRONMENTAL

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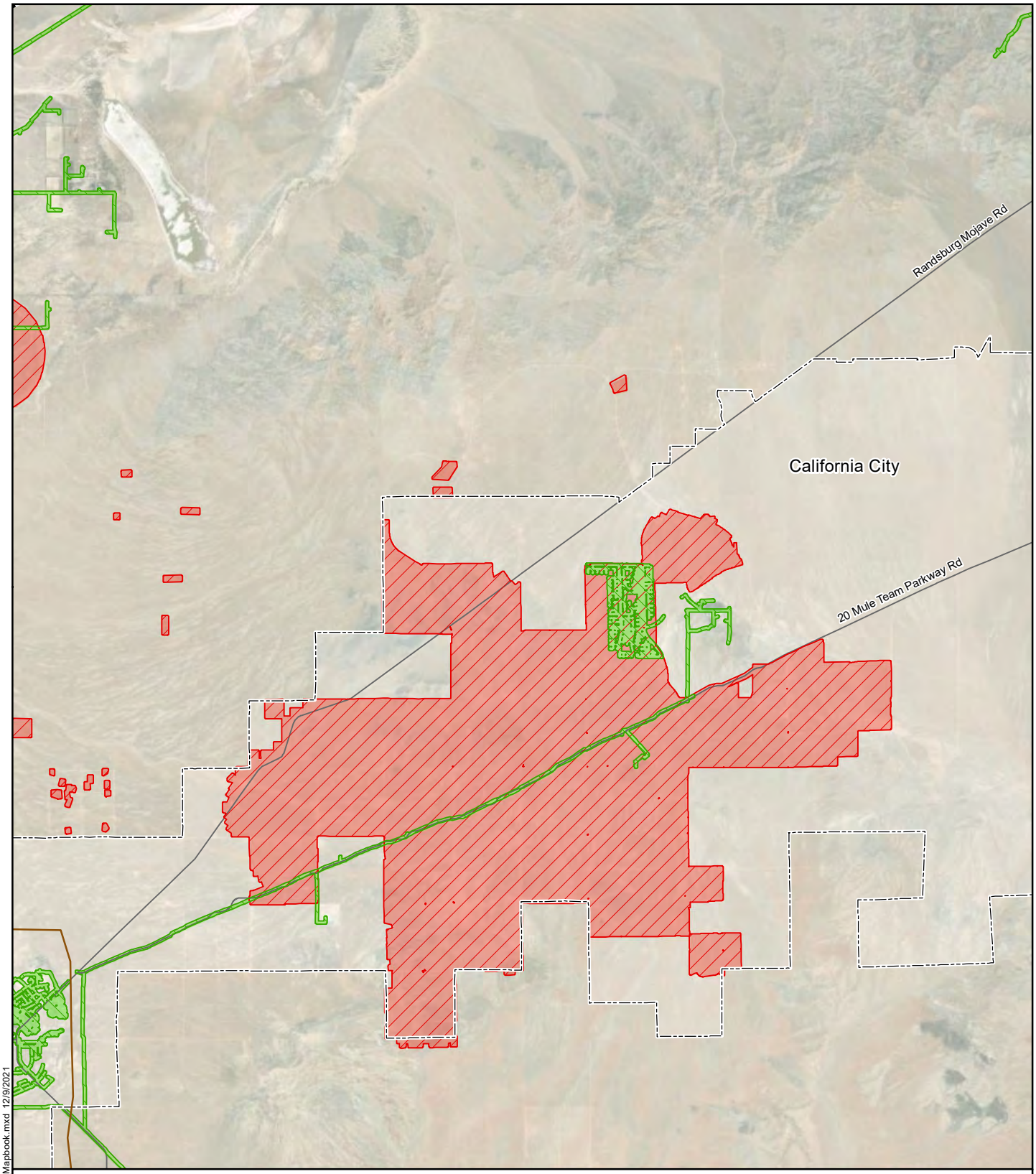

Attachment C: OCC Results Map 5 of 8

Cal City Substation 115 kV Upgrade Project

OCC Results
- Areas of Opportunity
- Areas of Constraint

- Proposed Routing Study Area
- 5-Mile Study Area Buffer
- Electrical Needs Area
- California City Boundary
- Rio Tinto Conservation Easement
- County Boundary

- Existing SCE Substation
- 220 kV Transmission Line
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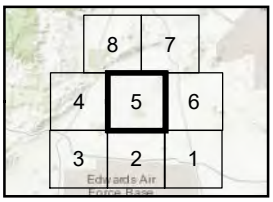

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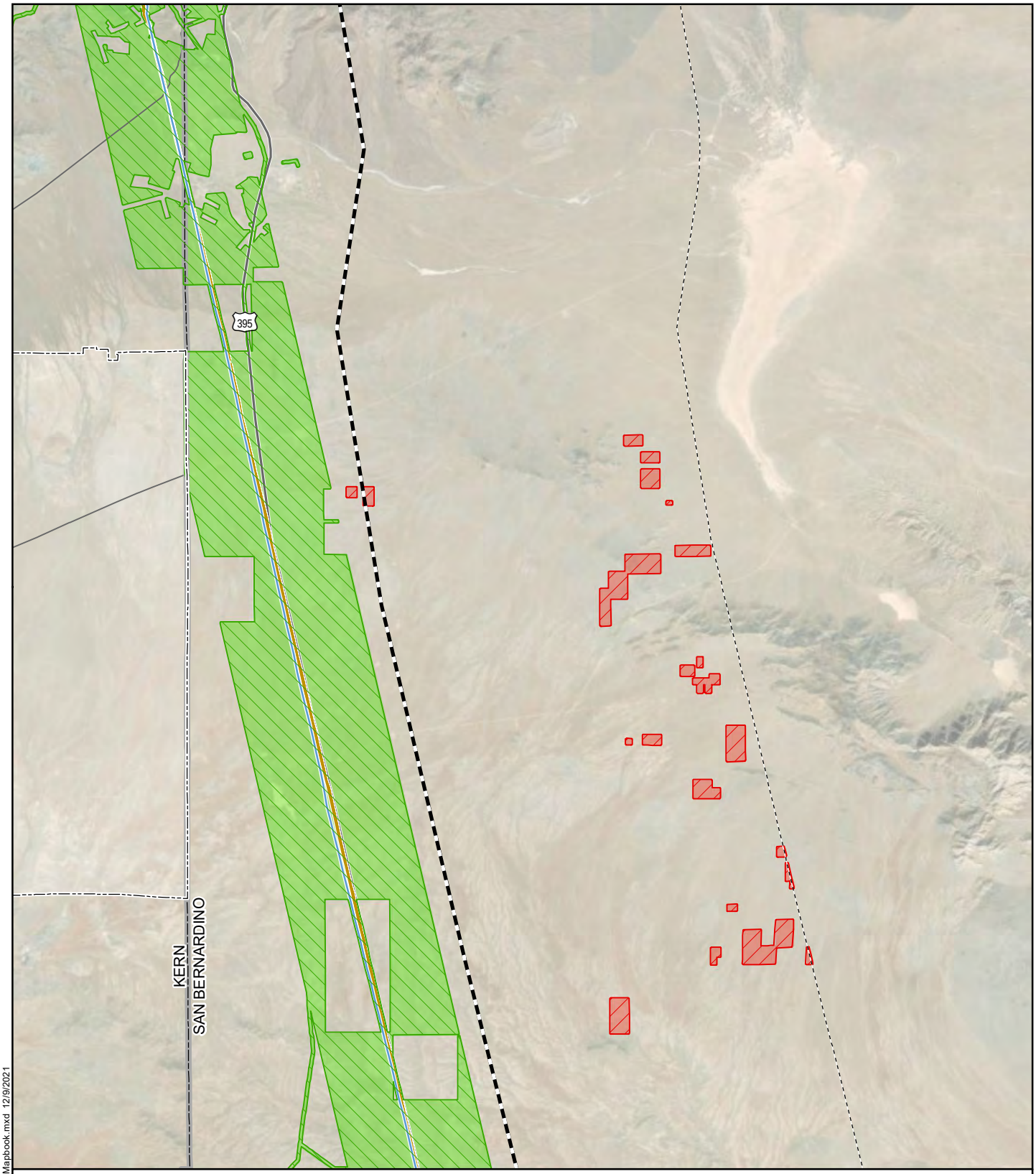

Attachment C: OCC Results Map 6 of 8

Cal City Substation 115 kV Upgrade Project

OCC Results
- Areas of Opportunity
- Areas of Constraint

- Proposed Routing Study Area
- 5-Mile Study Area Buffer
- Electrical Needs Area
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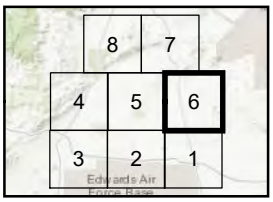

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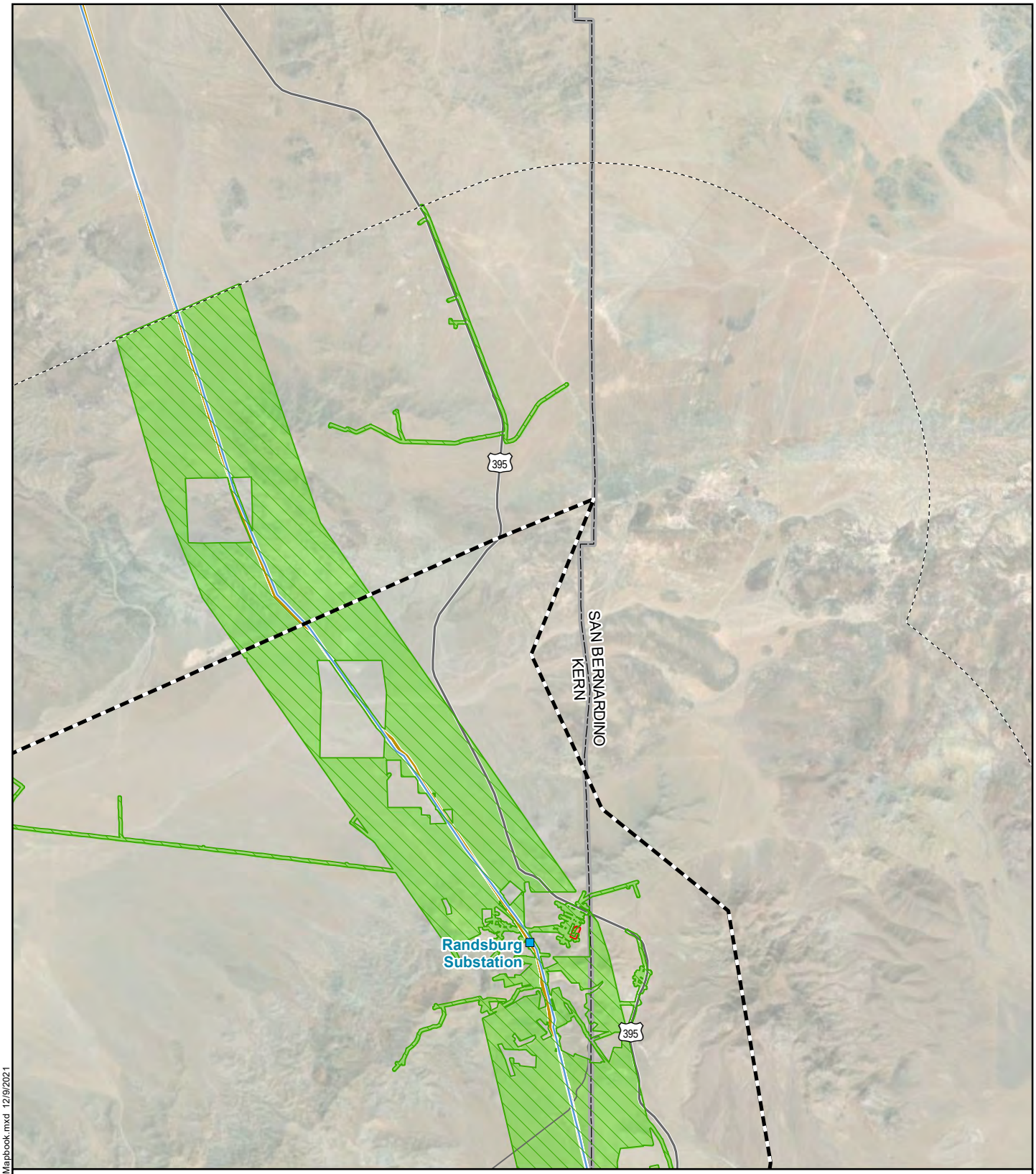

Attachment C: OCC Results Map 7 of 8

Cal City Substation 115 kV Upgrade Project

OCC Results
- Areas of Opportunity
- Areas of Constraint

- Proposed Routing Study Area
- 5-Mile Study Area Buffer
- Electrical Needs Area
- California City Boundary
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- Existing SCE Substation
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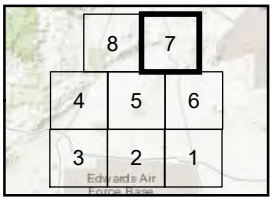

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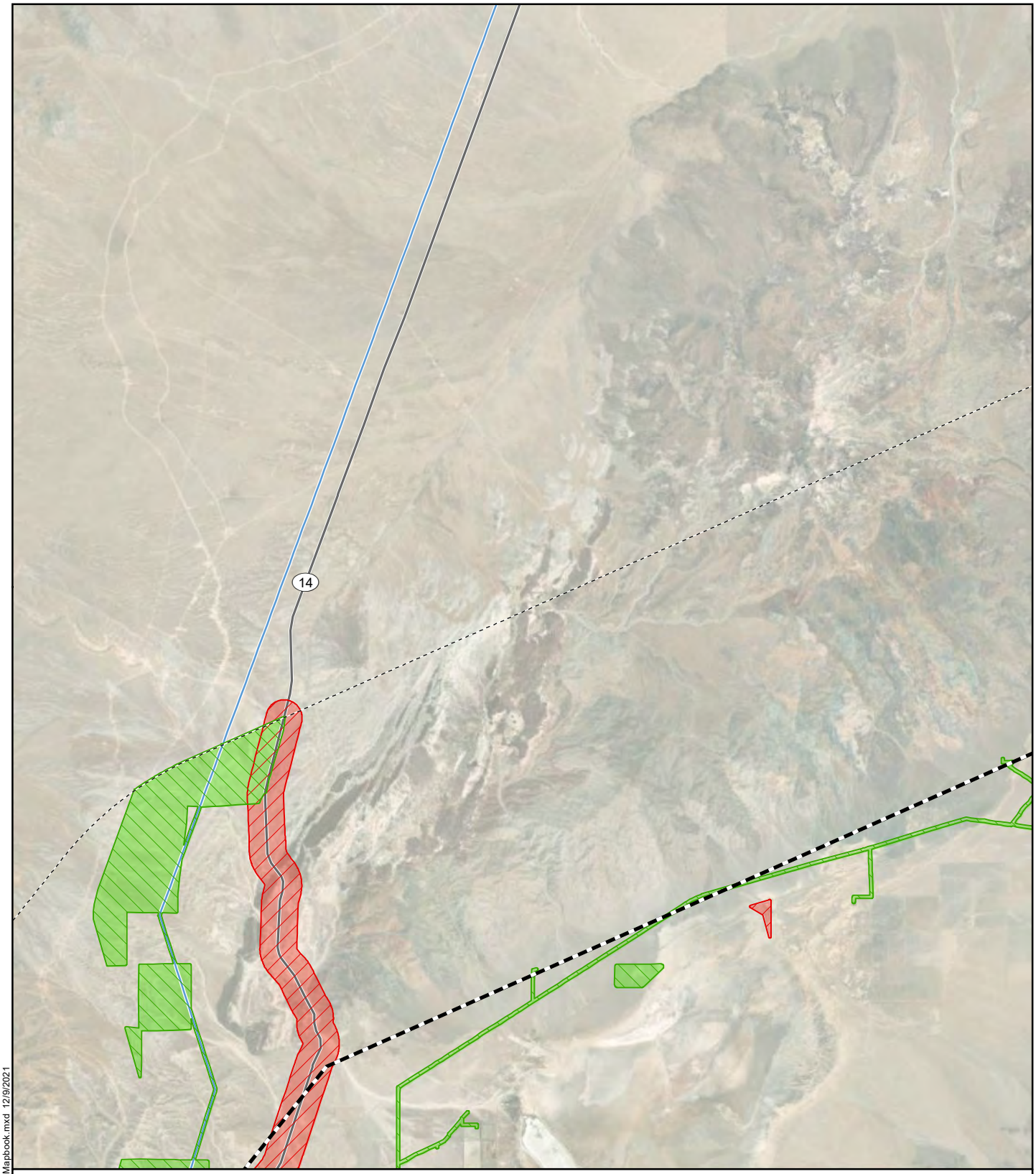

Attachment C: OCC Results Map 8 of 8

Cal City Substation 115 kV Upgrade Project

OCC Results
- Areas of Opportunity
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- Proposed Routing Study Area
- 5-Mile Study Area Buffer
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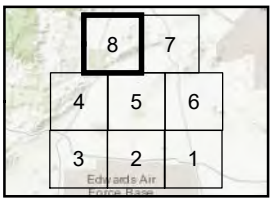

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ATTACHMENT D: OCC RESULTS SUMMARY

ATTACHMENT D: OCC RESULTS SUMMARY

Category	Factor	Opportunity	Concern	Constraint
Aesthetics	Visual Character/Quality	Southern California Edison (SCE) operates multiple existing overhead powerlines within the study area. Existing transmission and subtransmission lines were identified within California City and Randsburg, and along United States (U.S.) Highway 395, State Route (SR) 58, SR-14, and Redrock Ransburg Road.	Zoning for residential housing, schools, and parks were identified throughout the entire study area, particularly within and in the vicinity of California City.	No areas with pristine environment, with view corridors, or naturally evolving landscape character; or residential area with lots of existing or future vantage points were identified within the study area.
	Locally Valued Places		No areas within 500 feet of an identified or eligible place, landmark or structure in California Registry of Historic Resources (CRHR) or identified in the City/County General Plans as a place of relevance were identified within the study area.	No areas within 100 feet of an identified or eligible place, landmark or structure in CRHR or identified in the City/County General Plans as a place of relevance were identified within the study area.
	Scenic Highways		SR- 58, also known as the Mojave-Barstow Highway, runs through the southern portion of the study area from South 10th Street to Kramer Station Road. In addition, SR-14 runs along the western border of the study area from the intersection of SR-14 and SR-58 to Red Rock Canyon State Recreation Area.	SR-58 runs through the southern portion of the study area from South 10th Street to Kramer Station Road. In addition, SR-14 runs along the western border of the study area from the intersection of SR-14 and SR-58 to Red Rock Canyon State Recreation Area.
Biology	Water Bodies		Jurisdictional water features were identified throughout the study area.	
	Special-status Species Critical Habitat		Desert tortoise critical habitat areas were identified within the northern and eastern portions of the study area.	No federally designated critical habitat for fully protected species was identified in the study area.
	Special-status Species		Suitable habitat for a variety of special-status species was identified throughout the entire study area in undeveloped locations.	No fully protected species are known to occur in the study area.
Community	Community Development Guidelines	Designated utility corridors were identified around the borders of the study area, specifically along SR-14 in the west and U.S. Highway 395 in the east.		
	Planned Future Development			Large portions of the study area have been planned for future residential development, primarily around 20 Mule Team Parkway Road and in the vicinity of the existing Cal City Substation.
Cultural Resources	Cultural Resource Probability		Areas with a moderate or higher probability of encountering significant archaeological/historical resources were identified around the Mojave-Barstow Highway between the Mojave Airport and U.S. Highway 395, SR-14 and Redrock Randsburg Road into Randsburg, and Twenty Mule Team Parkway Road into California City.	One area with a high probability of encountering significant archaeological/historical resources was identified southeast of California City between Hacienda Road and California City Boulevard.
Design	Availability of ROW	One existing SCE power line ROW with sufficient properties to accommodate an additional 115 kilovolt (kV) power line was identified along Mojave-Barstow Highway from Muroc Road to U.S. Highway 395, continuing north along the highway towards Randsburg.	Multiple existing SCE power line ROWs with the potential to accommodate an additional 115 kV power line have been identified throughout the study area.	One existing SCE power line ROW without the potential to accommodate an additional 115 kV power line was identified to the east of California City Boulevard between Sequoia Boulevard and North Base Road.

Category	Factor	Opportunity	Concern	Constraint
Geology	Flooding Potential		Multiple flood zones were identified throughout the entire study area.	
	Liquefaction Potential		No areas with very high liquefaction potential were identified within the study area.	
	Fault Rupture Hazard Zones		Documented active faults (or A-P Fault Rupture Hazard Zones) were identified throughout the entire study area with a particular concentration in the northwest portion of the study area.	
	Soil Contamination		Multiple parcels with potential known soil contamination were identified throughout the study area, particularly in the vicinity of the Rio Tinto mining facility in the southeast portion of the study area.	
	Paleo Sensitivity		Marine and nonmarine sedimentary rock resources have been identified throughout the entire study area.	
Hazards	Proximity to Natural Gas Pipeline		One underground natural gas pipeline was identified in the southeast portion of the study area along Rosario Avenue south of East State Highway 58.	One underground natural gas pipeline was identified in the southeast portion of the study area along Rosario Avenue south of East State Highway 58.
Land Acquisition	Easement/Rights Required		A large portion of the study area within San Bernardino County and north of California City is managed by the Bureau of Land Management (BLM). Additional BLM land is dispersed throughout the center of the study area. Edwards Air Force Base is located in the southern portion of the study area. The northern and eastern portions of the study area are within DRECP Desert Tortoise Conservation Areas. Fremont-Kramer Reserve is located in the northern portion of the study area. Other areas where SCE has no existing rights include Fremont Valley Ecological Reserve and Red Rock Canyon State Park.	Future development parcels and conservation easements were identified throughout the study area, particularly northeast of California City along 20 Mule Team Parkway Road between 140th Street and Tulare Street. In addition, a potential conservation easement is located west of Rio Tinto's mining facility just north of SR-58.
Land Use	Zoning/General Plan Land Use(s)		Multiple schools, recreational facilities and parks were identified within California City, Randsburg, Boron and North Edwards. Galileo Park is located directly off of 20 Mule Team Parkway Road between Rutgers Road and Bucknell Road. One existing off-highway vehicle (OHV) designated area located on BLM land was identified 2 miles north of California City, spanning northeast for approximately 12 miles.	Multiple schools, recreational facilities and parks were identified within California City, Randsburg, Boron and North Edwards. Galileo Park is located directly off of 20 Mule Team Parkway Road between Rutgers Road and Bucknell Road. One OHV designated area located on BLM land was identified 2 miles north of California City, spanning northeast for approximately 12 miles.
	Airport Land Use Plan		California City Airport is located 2.75 miles northwest of Cal City Substation. The Mojave-Barstow Airport Land Use Plan extends into the southwest portion of the study area.	California City Airport is located 2.75 miles northwest of Cal City Substation.
	Existing Land Use(s) on the Site (Physical)	Industrial zoned parcels were identified in the vicinity of Rio Tinto's mining facility in the southeast portion of the study area.	Existing residential zoning was identified within California City and along Twenty Mule Team Parkway Road, north of California City along Neuralia Road, east between George Boulevard and Rosewood Boulevard, and south along California City Boulevard. In addition, North Edwards, Boron, Kramer and Randsburg have existing residential zoning.	Mining land was identified in the southeast portion of the study area north of Suckow Road and east of Gephart Road. Solar fields and a car testing facility are located north of California City along Neuralia Road. An additional car testing facility is located southwest of California City within the study area.
Wildfire	Fire Threat		No areas within Zone 2 or 3 of the California Public Utilities Commission's (CPUC's) High Fire Threat District were identified within the study area.	
	Fire Severity		No areas within a high or very high California Department of Forestry and Fire Protection (CAL FIRE) Fire Severity Zone were identified within the study area.	

ATTACHMENT E: COMPLETED SCORE SHEET

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-01	SC-01	DC-01	PC-01	AC-02	SC-02	DC-02	PC-02	AC-03	SC-03	DC-03	PC-03	AC-04	SC-04	DC-04	PC-04	AC-05	SC-05	DC-05	PC-05	AC-06	SC-06	DC-06	PC-06	AC-07	SC-07	DC-07	PC-07
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Biology																												
Wildlife Corridors	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	4	--	--	--
Avian Collision	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--
Water Bodies	--	1.5	1.5	1.5	--	1.9	1.9	1.9	--	1.5	1.5	1.5	--	2.1	2.1	2.1	--	1.5	1.5	1.5	--	2.1	2.1	2.1	--	2.3	2.3	2.3
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	3	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	4	--	--	--
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--
Cultural Resources	3	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--
Cultural Resources Permitting Time	4	--	--	--	4	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	4	--	--	--	5	--	--	--
Native American Resource Issues	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	2	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--
Remove/Replace Existing Structures	3	--	--	--	5	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	4	--	--	--
Pole/Tower Design	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	5	--	--	--
Permits and Restrictions	3	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	5	--	--	--	5	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	3	--	--	--	4	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	2	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--
Availability of ROW for O&M	3	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Terrain along Segment	2	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	3	--	--	--
Access to the Segment for Construction/Operations	3	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	5	--	--	--	4	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	4	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	F	--	--	--
Constructability-Pole/Tower Design for Subtransmission	3	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--	F	--	--	--
Constructability - Permits and Restrictions	3	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	F	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	4	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	F	--	--	--
Access to the Segment for Construction	3	--	--	--	5	--	--	--	2	--	--	--	1	--	--	--	5	--	--	--	3	--	--	--	F	--	--	--
Access Roads Needed for Construction	4	--	--	--	5	--	--	--	2	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	F	--	--	--
Terrain along Segment	5	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	5	--	--	--	F	--	--	--
Availability of ROW for Construction	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	F	--	--	--
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	2	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	3	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	4	--	--	--	1	--	--	--
Access Roads Needed	4	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	4	--	--	--	5	--	--	--	4	--	--	--
Access Roads Needed for Construction	3	--	--	--	5	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--
EMF																												
Setbacks from Prioritized Land Uses	--	1.3	1.3	1.3	--	1.8	1.8	1.8	--	1.6	1.6	1.6	--	2	2	2	--	1.7	1.7	1.7	--	1.9	1.9	1.9	--	1.8	1.8	1.8
Geology																												
Adverse Soil Conditions Along Segment	5	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	3	--	--	--	3	--	--	--
Erosion Potential	--	2.1	2.1	2.1	--	2	2	2	--	2.1	2.1	2.1	--	2	2	2	--	2.1	2.1	2.1	--	2	2	2	--	2.1	2.1	2.1
Flooding Potential	--	1.2	1.2	1.2	--	1	1	1	--	1.3	1.3	1.3	--	1	1	1	--	1.3	1.3	1.3	--	1.1	1.1	1.1	--	1.4	1.4	1.4
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	2	2	2	--	2.6	2.6	2.6	--	2	2	2	--	2.6	2.6	2.6	--	2.4	2.4	2.4	--	3.1	3.1	3.1	--	2.1	2.1	2.1
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	4	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	2	--	--	--	5	--	--	--	2	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1.6	1.6	1.6	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--
Telecommunications Permitting Requirements	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Telecommunications Route Constructability	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-08	SC-08	DC-08	PC-08	AC-09	SC-09	DC-09	PC-09	AC-10	SC-10	DC-10	PC-10	AC-11	SC-11	DC-11	PC-11	AC-12	SC-12	DC-12	PC-12	AC-13	SC-13	DC-13	PC-13	AC-14	SC-14	DC-14	PC-14
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Locally Valued Places	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--
Impacts to Scenic Vistas	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--
Biology																												
Wildlife Corridors	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	3	--	--	--
Avian Collision	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	2	2	2	3	--	--	--	--	2	2	2
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--
Water Bodies	--	1.9	1.9	1.9	--	3	3	3	--	2	2	2	--	1.8	1.8	1.8	--	1.5	1.5	1.5	--	2.2	2.2	2.2	--	1.9	1.9	1.9
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	4	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	--	2	2	2	4	--	--	--	--	2	2	2
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--
Cultural Resources Permitting Time	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--
Native American Resource Issues	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	4	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--
Remove/Replace Existing Structures	4	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	--	3	3	3	3	--	--	--	--	3	3	3
Pole/Tower Design	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1	5	1	5	--	--	--	--	1	5	1
Permits and Restrictions	5	--	--	--	5	--	--	--	2	--	--	--	2	--	--	--	--	2	2	2	4	--	--	--	--	2	2	2
Surface and Subsurface Obstacles (Visual Observation Only)	4	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--
Availability of ROW for O&M	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	--	5	5	5	5	--	--	--	--	5	5	5
Terrain along Segment	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--
Access to the Segment for Construction/Operations	5	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	3	--	--	--	5	--	--	--	1	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	F	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	F	--	--	--	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	F	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1	1	1	F	--	--	--	--	2	2	2
Constructability - Permits and Restrictions	F	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	1	1	1	F	--	--	--	--	2	2	2
Surface and Subsurface Obstacles (Visual Observation Only)	F	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--	F	--	--	--	2	--	--	--
Access to the Segment for Construction	F	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	1	--	--	--	F	--	--	--	2	--	--	--
Access Roads Needed for Construction	F	--	--	--	5	--	--	--	5	--	--	--	3	--	--	--	--	1	1	1	F	--	--	--	--	2	2	2
Terrain along Segment	F	--	--	--	1	--	--	--	2	--	--	--	3	--	--	--	1	--	--	--	F	--	--	--	1	--	--	--
Availability of ROW for Construction	F	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	--	5	5	5	F	--	--	--	--	5	5	5
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	4	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--
Access Roads Needed	3	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	--	3	3	3	4	--	--	--	--	3	3	3
Access Roads Needed for Construction	3	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--	--	4	4	4	5	--	--	--	--	2	2	2
EMF																												
Setbacks from Prioritized Land Uses	--	2	2	2	--	1	1	1	--	1	1	1	--	1.2	1.2	1.2	--	1	1	1	--	1.6	1.6	1.6	--	1	1	1
Geology																												
Adverse Soil Conditions Along Segment	3	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	5	--	--	--	5	--	--	--	1	--	--	--
Erosion Potential	--	2	2	2	--	2.4	2.4	2.4	--	2.5	2.5	2.5	--	2.3	2.3	2.3	--	2	2	2	--	2	2	2	--	2.7	2.7	2.7
Flooding Potential	--	1	1	1	--	2.6	2.6	2.6	--	3	3	3	--	2.1	2.1	2.1	--	1	1	1	--	1.1	1.1	1.1	--	3.7	3.7	3.7
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	3.5	3.5	3.5	--	2.9	2.9	2.9	--	1.9	1.9	1.9	--	2.2	2.2	2.2	--	1.4	1.4	1.4	--	3.7	3.7	3.7	--	1.5	1.5	1.5
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	4	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	4	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--
Telecommunications Route Constructability	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-15	SC-15	DC-15	PC-15	AC-16	SC-16	DC-16	PC-16	AC-17	SC-17	DC-17	PC-17	AC-18	SC-18	DC-18	PC-18	AC-19	SC-19	DC-19	PC-19	AC-20	SC-20	DC-20	PC-20	AC-21	SC-21	DC-21	PC-21
Aesthetics																												
Visual Character/Quality	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	2	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Avian Collision	--	2	2	2	2	--	--	--	--	2	2	2	--	2	2	2	3	--	--	--	3	--	--	--	2	--	--	--
Permitting Time Required	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Water Bodies	--	1.6	1.6	1.6	--	2.1	2.1	2.1	--	1.3	1.3	1.3	--	2.3	2.3	2.3	--	1.6	1.6	1.6	--	1.5	1.5	1.5	--	2.5	2.5	2.5
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	--	2	2	2	4	--	--	--	--	2	2	2	--	4	4	4	2	--	--	--	2	--	--	--	3	--	--	--
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--
Cultural Resources Permitting Time	3	--	--	--	3	--	--	--	3	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--
Native American Resource Issues	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--
Remove/Replace Existing Structures	--	4	4	4	3	--	--	--	--	3	3	3	--	4	5	4	4	--	--	--	2	--	--	--	3	--	--	--
Pole/Tower Design	--	1	5	1	2	--	--	--	--	1	5	1	--	2	5	2	2	--	--	--	2	--	--	--	1	--	--	--
Permits and Restrictions	--	2	2	2	5	--	--	--	--	2	2	2	--	4	5	4	4	--	--	--	3	--	--	--	4	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	2	--	--	--	1	--	--	--	5	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--
Availability of ROW for O&M	--	5	5	5	5	--	--	--	--	5	5	5	--	5	5	5	3	--	--	--	5	--	--	--	5	--	--	--
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--
Access to the Segment for Construction/Operations	1	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	--	2	2	2	2	--	--	--	--	1	1	1	--	2	2	2	1	--	--	--	1	--	--	--	1	--	--	--
Constructability - Permits and Restrictions	--	1	1	1	2	--	--	--	--	2	2	2	--	4	4	4	2	--	--	--	1	--	--	--	2	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Access to the Segment for Construction	1	--	--	--	1	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Access Roads Needed for Construction	--	1	1	1	2	--	--	--	--	1	1	1	--	4	4	4	3	--	--	--	1	--	--	--	1	--	--	--
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for Construction	--	1	1	1	2	--	--	--	--	5	5	5	--	5	5	5	3	--	--	--	3	--	--	--	5	--	--	--
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	F	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	2	--	--	--	2	--	--	--	2	--	--	--	F	--	--	--	3	--	--	--	5	--	--	--	1	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	3	--	--	--	2	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--
Access Roads Needed	--	2	2	2	4	--	--	--	--	2	2	2	--	3	3	3	3	--	--	--	3	--	--	--	2	--	--	--
Access Roads Needed for Construction	--	2	2	2	4	--	--	--	--	2	2	2	--	3	3	3	3	--	--	--	4	--	--	--	2	--	--	--
EMF																												
Setbacks from Prioritized Land Uses	--	2	2	2	--	1	1	1	--	1.1	1.1	1.1	--	1.3	1.3	1.3	--	1.9	1.9	1.9	--	2.2	2.2	2.2	--	1.8	1.8	1.8
Geology																												
Adverse Soil Conditions Along Segment	1	--	--	--	1	--	--	--	5	--	--	--	2	--	--	--	5	--	--	--	5	--	--	--	1	--	--	--
Erosion Potential	--	2	2	2	--	2	2	2	--	2	2	2	--	2.3	2.3	2.3	--	2.1	2.1	2.1	--	2.1	2.1	2.1	--	2.1	2.1	2.1
Flooding Potential	--	1	1	1	--	1	1	1	--	1	1	1	--	1.5	1.5	1.5	--	1.5	1.5	1.5	--	1.5	1.5	1.5	--	1.2	1.2	1.2
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1.2	1.2	1.2	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1	--	1	1	1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	1.4	1.4	1.4	--	1	1	1	--	1.2	1.2	1.2	--	1.8	1.8	1.8	--	2	2	2	--	2.1	2.1	2.1	--	3.4	3.4	3.4
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	5	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	2	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	3	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Telecommunications Route Constructability	4	--	--	--	1	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	5	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-22	SC-22	DC-22	PC-22	AC-23	SC-23	DC-23	PC-23	AC-24	SC-24	DC-24	PC-24	AC-25	SC-25	DC-25	PC-25	AC-26	SC-26	DC-26	PC-26	AC-27	SC-27	DC-27	PC-27	AC-28	SC-28	DC-28	PC-28
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--
Avian Collision	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	2	2	2	2	--	--	--	2	--	--	--
Permitting Time Required	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--
Water Bodies	--	2.2	2.2	2.2	--	2.4	2.4	2.4	--	1.5	1.5	1.5	--	2.3	2.3	2.3	--	2.2	2.2	2.2	--	1.5	1.5	1.5	--	1.5	1.5	1.5
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	--	2	2	2	4	--	--	--	4	--	--	--
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources Permitting Time	1	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	3	--	--	--	4	--	--	--	3	--	--	--
Native American Resource Issues	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	1	--	--	--	2	--	--	--	5	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Remove/Replace Existing Structures	4	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	--	3	4	3	4	--	--	--	3	--	--	--
Pole/Tower Design	1	--	--	--	1	--	--	--	5	--	--	--	3	--	--	--	--	2	5	1	1	--	--	--	1	--	--	--
Permits and Restrictions	2	--	--	--	3	--	--	--	5	--	--	--	5	--	--	--	--	4	4	4	5	--	--	--	2	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	3	--	--	--	1	--	--	--	5	--	--	--	5	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	4	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--
Availability of ROW for O&M	5	--	--	--	3	--	--	--	5	--	--	--	5	--	--	--	--	3	5	3	4	--	--	--	5	--	--	--
Terrain along Segment	1	--	--	--	2	--	--	--	5	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction/Operations	3	--	--	--	2	--	--	--	4	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Constructability-Pole/Tower Design for Subtransmission	2	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	--	2	2	2	1	--	--	--	1	--	--	--
Constructability - Permits and Restrictions	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	--	2	2	2	3	--	--	--	1	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	2	--	--	--	1	--	--	--	2	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction	2	--	--	--	1	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--
Access Roads Needed for Construction	2	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--	--	1	1	1	2	--	--	--	1	--	--	--
Terrain along Segment	1	--	--	--	1	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Availability of ROW for Construction	3	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--	--	3	3	3	3	--	--	--	3	--	--	--
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	3	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	5	--	--	--	1	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	2	--	--	--	5	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--
Access Roads Needed	2	--	--	--	3	--	--	--	4	--	--	--	3	--	--	--	--	2	2	2	3	--	--	--	3	--	--	--
Access Roads Needed for Construction	2	--	--	--	2	--	--	--	5	--	--	--	4	--	--	--	--	2	2	2	2	--	--	--	2	--	--	--
EMF																												
Setbacks from Prioritized Land Uses	--	1	1	1	--	1.6	1.6	1.6	--	2	2	2	--	1.4	1.4	1.4	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1
Geology																												
Adverse Soil Conditions Along Segment	1	--	--	--	3	--	--	--	5	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--
Erosion Potential	--	2.1	2.1	2.1	--	2	2	2	--	2	2	2	--	2	2	2	--	2.3	2.3	2.3	--	2	2	2	--	2.1	2.1	2.1
Flooding Potential	--	1.4	1.4	1.4	--	1.1	1.1	1.1	--	1	1	1	--	1.1	1.1	1.1	--	2.1	2.1	2.1	--	1	1	1	--	1.3	1.3	1.3
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	1.9	1.9	1.9	--	2.6	2.6	2.6	--	2	2	2	--	2.4	2.4	2.4	--	1.6	1.6	1.6	--	1.2	1.2	1.2	--	2	2	2
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--
Airport Land Use Plan	--	2	2	2	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	4	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	4	--	--	--	5	--	--	--	5	--	--	--	2	--	--	--	5	--	--	--	2	--	--	--
Telecommunications Route Constructability	5	--	--	--	2	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-29	SC-29	DC-29	PC-29	AC-30	SC-30	DC-30	PC-30	AC-31	SC-31	DC-31	PC-31	AC-32	SC-32	DC-32	PC-32	AC-33	SC-33	DC-33	PC-33	AC-34	SC-34	DC-34	PC-34	AC-35	SC-35	DC-35	PC-35
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Biology																												
Wildlife Corridors	2	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Avian Collision	--	2	2	2	--	2	2	2	--	2	3	2	--	2	2	2	--	2	2	2	--	2	2	2	--	3	3	3
Permitting Time Required	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Water Bodies	--	2.2	2.2	2.2	--	2.9	2.9	2.9	--	2	2	2	--	1	1	1	--	2.3	2.3	2.3	--	1.7	1.7	1.7	--	1	1	1
Special-status Species	3	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	--	3	3	3	--	2	2	2	--	3	3	3	--	2	2	2	--	2	2	2	--	3	3	3	--	2	2	2
Community Development Guidelines	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	5	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Cultural Resources Permitting Time	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--
Native American Resource Issues	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	1	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Remove/Replace Existing Structures	--	5	5	5	--	3	3	3	--	4	4	4	--	4	4	4	--	4	4	4	--	4	4	4	--	5	5	5
Pole/Tower Design	--	5	5	5	--	2	5	2	--	1	5	1	--	1	4	1	--	1	4	1	--	1	5	1	--	1	5	1
Permits and Restrictions	--	3	3	3	--	4	4	4	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	1	2	1
Surface and Subsurface Obstacles (Visual Observation Only)	4	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	3	--	--	--	2	--	--	--
Availability of ROW for O&M	--	5	5	5	--	5	5	5	--	3	4	3	--	3	4	3	--	3	4	3	--	3	4	3	--	3	4	3
Terrain along Segment	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Access to the Segment for Construction/Operations	1	--	--	--	4	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	--	3	3	3	--	1	1	1	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2
Constructability - Permits and Restrictions	--	2	2	2	--	2	2	2	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Surface and Subsurface Obstacles (Visual Observation Only)	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction	1	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access Roads Needed for Construction	--	1	1	1	--	5	5	5	--	2	2	2	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for Construction	--	3	3	3	--	5	5	5	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	3	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--
Access Roads Needed	--	1	1	1	--	2	2	2	--	3	3	3	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2
Access Roads Needed for Construction	--	1	1	1	--	4	4	4	--	2	2	2	--	2	2	2	--	2	2	2	--	4	4	4	--	2	2	2
EMF																												
Setbacks from Prioritized Land Uses	--	1.1	1.1	1.1	--	1.2	1.2	1.2	--	1.4	1.4	1.4	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1
Geology																												
Adverse Soil Conditions Along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	5	--	--	--
Erosion Potential	--	2.1	2.1	2.1	--	2.1	2.1	2.1	--	2.1	2.1	2.1	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2
Flooding Potential	--	1.6	1.6	1.6	--	1.4	1.4	1.4	--	1.4	1.4	1.4	--	1	1	1	--	1.3	1.3	1.3	--	1	1	1	--	1	1	1
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.2	1.2	1.2
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	1.5	1.5	1.5	--	2	2	2	--	2.2	2.2	2.2	--	2	2	2	--	1.1	1.1	1.1	--	1.5	1.5	1.5	--	1	1	1
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	4	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--	4	--	--	--
Existing Land Use(s) Surrounding the Segment	4	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--
Airport Land Use Plan	--	1.6	1.6	1.6	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Telecommunications Route Constructability	4	--	--	--	4	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-36	SC-36	DC-36	PC-36	AC-37	SC-37	DC-37	PC-37	AC-38	SC-38	DC-38	PC-38	AC-39	SC-39	DC-39	PC-39	AC-40	SC-40	DC-40	PC-40	AC-41	SC-41	DC-41	PC-41	AC-42	SC-42	DC-42	PC-42
Aesthetics																												
Visual Character/Quality	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Avian Collision	2	--	--	--	--	2	2	2	--	2	2	2	--	2	2	2	2	--	--	--	3	--	--	--	3	--	--	--
Permitting Time Required	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Water Bodies	--	1	1	1	--	1.5	1.5	1.5	--	1.8	1.8	1.8	--	2.7	2.7	2.7	--	1.6	1.6	1.6	--	2.5	2.5	2.5	--	2.3	2.3	2.3
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	4	--	--	--	--	4	4	4	--	2	2	2	--	2	2	2	3	--	--	--	3	--	--	--	3	--	--	--
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	3	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--
Cultural Resources Permitting Time	4	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--
Native American Resource Issues	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	2	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--
Remove/Replace Existing Structures	3	--	--	--	--	3	3	3	--	4	4	4	--	3	3	3	5	--	--	--	2	--	--	--	2	--	--	--
Pole/Tower Design	1	--	--	--	--	1	5	1	--	1	5	1	--	1	5	1	4	--	--	--	4	--	--	--	1	--	--	--
Permits and Restrictions	4	--	--	--	--	4	4	4	--	2	3	3	--	3	3	3	4	--	--	--	4	--	--	--	2	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	2	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--
Availability of ROW for O&M	5	--	--	--	--	5	5	5	--	3	4	3	--	5	5	5	5	--	--	--	2	--	--	--	2	--	--	--
Terrain along Segment	2	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction/Operations	4	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	2	--	--	--	--	2	2	2	--	2	2	2	--	1	1	1	3	--	--	--	1	--	--	--	1	--	--	--
Constructability - Permits and Restrictions	3	--	--	--	--	4	4	4	--	1	1	1	--	1	1	1	4	--	--	--	1	--	--	--	1	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction	1	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--
Access Roads Needed for Construction	1	--	--	--	--	5	5	5	--	1	1	1	--	1	1	1	4	--	--	--	1	--	--	--	1	--	--	--
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for Construction	3	--	--	--	--	5	5	5	--	3	3	3	--	5	5	5	5	--	--	--	1	--	--	--	1	--	--	--
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--	2	--	--	--
Access Roads Needed	2	--	--	--	--	3	3	3	--	3	3	3	--	3	3	3	5	--	--	--	2	--	--	--	2	--	--	--
Access Roads Needed for Construction	2	--	--	--	--	3	3	3	--	2	2	2	--	2	2	2	4	--	--	--	2	--	--	--	2	--	--	--
EMF																												
Setbacks from Prioritized Land Uses	--	1.6	1.6	1.6	--	2.2	2.2	2.2	--	1.5	1.5	1.5	--	1.8	1.8	1.8	--	1.5	1.5	1.5	--	1.2	1.2	1.2	--	1.6	1.6	1.6
Geology																												
Adverse Soil Conditions Along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	3	--	--	--	3	--	--	--
Erosion Potential	--	2	2	2	--	2	2	2	--	2.6	2.6	2.6	--	2.7	2.7	2.7	--	2.1	2.1	2.1	--	2.1	2.1	2.1	--	2	2	2
Flooding Potential	--	1	1	1	--	1	1	1	--	3.6	3.6	3.6	--	3.7	3.7	3.7	--	1.2	1.2	1.2	--	1.2	1.2	1.2	--	1.1	1.1	1.1
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1	--	1	1	1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	1	1	1	--	1.9	1.9	1.9	--	1.6	1.6	1.6	--	1.7	1.7	1.7	--	2.5	2.5	2.5	--	1.8	1.8	1.8	--	2.8	2.8	2.8
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	2	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--	4	--	--	--	4	--	--	--	5	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	3	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	1	--	--	--	4	--	--	--
Telecommunications Permitting Requirements	3	--	--	--	4	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Telecommunications Route Constructability	1	--	--	--	4	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-43	SC-43	DC-43	PC-43	AC-44	SC-44	DC-44	PC-44	AC-45	SC-45	DC-45	PC-45	AC-46	SC-46	DC-46	PC-46	AC-47	SC-47	DC-47	PC-47	AC-48	SC-48	DC-48	PC-48	AC-49	SC-49	DC-49	PC-49
Aesthetics																												
Visual Character/Quality	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--
Locally Valued Places	3	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	3	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--
Avian Collision	3	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	2	3	2	--	2	2	2
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Water Bodies	--	1.8	1.8	1.8	--	1.8	1.8	1.8	--	1.6	1.6	1.6	--	1.8	1.8	1.8	--	1.9	1.9	1.9	--	1.8	1.8	1.8	--	1.4	1.4	1.4
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	2	--	--	--	4	--	--	--	4	--	--	--	3	--	--	--	4	--	--	--	--	3	3	3	--	3	3	3
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	5	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--	5	--	--	--	5	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--
Cultural Resources Permitting Time	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--
Native American Resource Issues	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--
Remove/Replace Existing Structures	2	--	--	--	2	--	--	--	3	--	--	--	4	--	--	--	3	--	--	--	--	3	4	3	--	3	3	3
Pole/Tower Design	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1	5	1	--	1	5	1
Permits and Restrictions	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	--	2	3	2	--	2	4	2
Surface and Subsurface Obstacles (Visual Observation Only)	3	--	--	--	3	--	--	--	1	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--	2	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	3	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for O&M	2	--	--	--	2	--	--	--	5	--	--	--	3	--	--	--	5	--	--	--	--	5	5	5	--	4	5	4
Terrain along Segment	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction/Operations	2	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	2	2	2	--	1	1	1
Constructability - Permits and Restrictions	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	--	2	2	2	--	4	4	4
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--	2	--	--	--
Access Roads Needed for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	--	1	1	1	--	2	2	2
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for Construction	1	--	--	--	1	--	--	--	5	--	--	--	3	--	--	--	5	--	--	--	--	5	5	5	--	5	5	5
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	3	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	2	--	--	--	2	--	--	--
Access Roads Needed	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	--	2	2	2	--	2	2	2
Access Roads Needed for Construction	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	5	--	--	--	--	2	2	2	--	2	2	2
EMF																												
Setbacks from Prioritized Land Uses	--	1.1	1.1	1.1	--	1.8	1.8	1.8	--	1.2	1.2	1.2	--	1.5	1.5	1.5	--	1	1	1	--	1	1	1	--	3	3	3
Geology																												
Adverse Soil Conditions Along Segment	3	--	--	--	3	--	--	--	5	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Erosion Potential	--	2	2	2	--	2	2	2	--	2.2	2.2	2.2	--	2	2	2	--	2	2	2	--	2.1	2.1	2.1	--	2	2	2
Flooding Potential	--	1	1	1	--	1.1	1.1	1.1	--	1.7	1.7	1.7	--	1.1	1.1	1.1	--	1.1	1.1	1.1	--	1.5	1.5	1.5	--	1.1	1.1	1.1
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1.3	1.3	1.3	--	1.1	1.1	1.1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	2	2	2	--	3.4	3.4	3.4	--	2.3	2.3	2.3	--	2.6	2.6	2.6	--	2	2	2	--	1.7	1.7	1.7	--	1.9	1.9	1.9
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	2	--	--	--	4	--	--	--	4	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	5	--	--	--	4	--	--	--	4	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.6	1.6	1.6	--	2	2	2
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	4	--	--	--	2	--	--	--
Telecommunications Route Constructability	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-50	SC-50	DC-50	PC-50	AC-51	SC-51	DC-51	PC-51	AC-52	SC-52	DC-52	PC-52	AC-53	SC-53	DC-53	PC-53	AC-54	SC-54	DC-54	PC-54	AC-55	SC-55	DC-55	PC-55	AC-56	SC-56	DC-56	PC-56
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Avian Collision	--	2	2	2	--	2	2	2	--	2	2	2	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Water Bodies	--	1.6	1.6	1.6	--	2.5	2.5	2.5	--	1.9	1.9	1.9	--	3	3	3	--	2	2	2	--	2.1	2.1	2.1	--	3	3	3
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	--	3	3	3	--	3	3	3	--	3	3	3	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--
Community Development Guidelines	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	5	--	--	--	5	--	--	--	5	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Cultural Resources Permitting Time	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Native American Resource Issues	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	1	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--
Remove/Replace Existing Structures	--	3	3	3	--	4	5	4	--	4	4	4	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Pole/Tower Design	--	1	5	1	--	1	4	1	--	3	5	3	2	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--
Permits and Restrictions	--	2	2	2	--	2	2	2	--	2	2	2	2	--	--	--	2	--	--	--	5	--	--	--	5	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	2	--	--	--	4	--	--	--	3	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for O&M	--	5	5	5	--	3	3	3	--	3	3	3	5	--	--	--	5	--	--	--	4	--	--	--	5	--	--	--
Terrain along Segment	1	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--
Access to the Segment for Construction/Operations	2	--	--	--	2	--	--	--	1	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	--	1	1	1	--	2	2	2	--	1	1	1	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Constructability - Permits and Restrictions	--	1	1	1	--	1	1	1	--	1	1	1	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction	2	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access Roads Needed for Construction	--	2	2	2	--	1	1	1	--	1	1	1	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for Construction	--	5	5	5	--	3	3	3	--	1	1	1	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	2	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Access Roads Needed	--	2	2	2	--	2	2	2	--	2	2	2	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Access Roads Needed for Construction	--	3	3	3	--	1	1	1	--	2	2	2	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
EMF																												
Setbacks from Prioritized Land Uses	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Geology																												
Adverse Soil Conditions Along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Erosion Potential	--	2	2	2	--	2.1	2.1	2.1	--	2	2	2	--	3	3	3	--	2.3	2.3	2.3	--	2.5	2.5	2.5	--	2.5	2.5	2.5
Flooding Potential	--	1	1	1	--	1.6	1.6	1.6	--	1	1	1	--	5	5	5	--	2.2	2.2	2.2	--	3	3	3	--	2.9	2.9	2.9
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	2	2	2	--	1.9	1.9	1.9	--	2	2	2	--	1.9	1.9	1.9	--	2	2	2	--	2	2	2	--	2	2	2
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Airport Land Use Plan	--	2	2	2	--	2	2	2	--	2	2	2	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Telecommunications Route Constructability	4	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-57	SC-57	DC-57	PC-57	AC-58	SC-58	DC-58	PC-58	AC-59	SC-59	DC-59	PC-59	AC-60	SC-60	DC-60	PC-60	AC-61	SC-61	DC-61	PC-61	AC-62	SC-62	DC-62	PC-62	AC-63	SC-63	DC-63	PC-63
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--
Scenic Highways	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	2	--	--	--	2	--	--	--	3	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	3	--	--	--
Avian Collision	--	2	2	2	--	2	2	2	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Water Bodies	--	1	1	1	--	1.9	1.9	1.9	--	1.9	1.9	1.9	--	1	1	1	--	1.7	1.7	1.7	--	1.8	1.8	1.8	--	1.8	1.8	1.8
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	--	2	2	2	--	2	2	2	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	5	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	1	--	--	--	3	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--
Cultural Resources Permitting Time	1	--	--	--	3	--	--	--	1	--	--	--	5	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--
Native American Resource Issues	1	--	--	--	2	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	1	--	--	--
Remove/Replace Existing Structures	--	3	3	3	--	3	3	3	3	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--
Pole/Tower Design	--	1	5	1	--	1	5	1	1	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Permits and Restrictions	--	2	3	2	--	3	3	3	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	3	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for O&M	--	5	5	5	--	5	5	5	2	--	--	--	2	--	--	--	2	--	--	--	5	--	--	--	5	--	--	--
Terrain along Segment	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Access to the Segment for Construction/Operations	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	F	--	--	--	F	--	--	--	F	--	--	--	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	--	1	1	1	--	1	1	1	1	--	--	--	F	--	--	--	F	--	--	--	F	--	--	--	1	--	--	--
Constructability - Permits and Restrictions	--	1	1	1	--	1	1	1	1	--	--	--	F	--	--	--	F	--	--	--	F	--	--	--	1	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	F	--	--	--	F	--	--	--	F	--	--	--	1	--	--	--
Access to the Segment for Construction	1	--	--	--	1	--	--	--	1	--	--	--	F	--	--	--	F	--	--	--	F	--	--	--	1	--	--	--
Access Roads Needed for Construction	--	1	1	1	--	1	1	1	1	--	--	--	F	--	--	--	F	--	--	--	F	--	--	--	1	--	--	--
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	F	--	--	--	F	--	--	--	F	--	--	--	1	--	--	--
Availability of ROW for Construction	--	5	5	5	--	5	5	5	1	--	--	--	F	--	--	--	F	--	--	--	F	--	--	--	5	--	--	--
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	1	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Access Roads Needed	--	2	2	2	--	3	3	3	3	--	--	--	4	--	--	--	4	--	--	--	3	--	--	--	2	--	--	--
Access Roads Needed for Construction	--	2	2	2	--	2	2	2	2	--	--	--	4	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
EMF																												
Setbacks from Prioritized Land Uses	--	1	1	1	--	1	1	1	--	2	2	2	--	1.9	1.9	1.9	--	1.9	1.9	1.9	--	1.5	1.5	1.5	--	1.4	1.4	1.4
Geology																												
Adverse Soil Conditions Along Segment	1	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	1	--	--	--
Erosion Potential	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2.1	2.1	2.1	--	2.2	2.2	2.2
Flooding Potential	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1	--	1.6	1.6	1.6	--	2	2	2
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1	--	1.1	1.1	1.1	--	1	1	1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	1.3	1.3	1.3	--	1.7	1.7	1.7	--	4	4	4	--	3	3	3	--	3.1	3.1	3.1	--	1.8	1.8	1.8	--	2.9	2.9	2.9
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	4	--	--	--	2	--	--	--	5	--	--	--	2	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	1	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Telecommunications Route Constructability	4	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-64	SC-64	DC-64	PC-64	AC-65	SC-65	DC-65	PC-65	AC-66	SC-66	DC-66	PC-66	AC-67	SC-67	DC-67	PC-67	AC-68	SC-68	DC-68	PC-68	AC-69	SC-69	DC-69	PC-69	AC-70	SC-70	DC-70	PC-70
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	4	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	4	--	--	--
Avian Collision	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	2	3	2	--	2	3	2
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--
Water Bodies	--	2.4	2.4	2.4	--	3	3	3	--	3	3	3	--	2.2	2.2	2.2	--	3	3	3	--	1.3	1.3	1.3	--	1.5	1.5	1.5
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	3	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	4	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	3	3	3	--	3	3	3
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	5	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Cultural Resources Permitting Time	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Native American Resource Issues	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--
Remove/Replace Existing Structures	3	--	--	--	3	--	--	--	3	--	--	--	4	--	--	--	3	--	--	--	--	3	4	3	--	3	3	3
Pole/Tower Design	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	1	5	1	--	1	5	1
Permits and Restrictions	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	--	2	4	2	--	3	3	3
Surface and Subsurface Obstacles (Visual Observation Only)	2	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--
Availability of ROW for O&M	5	--	--	--	5	--	--	--	5	--	--	--	3	--	--	--	5	--	--	--	--	3	5	3	--	4	4	4
Terrain along Segment	2	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction/Operations	2	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	2	2	2	--	1	1	1
Constructability - Permits and Restrictions	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	--	3	3	3	--	1	1	1
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--
Access to the Segment for Construction	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access Roads Needed for Construction	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	--	1	1	1	--	1	1	1
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--
Availability of ROW for Construction	5	--	--	--	5	--	--	--	5	--	--	--	3	--	--	--	5	--	--	--	--	5	5	5	--	5	5	5
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	1	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	4	--	--	--	2	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Access Roads Needed	3	--	--	--	4	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	--	2	2	2	--	2	2	2
Access Roads Needed for Construction	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	--	2	2	2	--	2	2	2
EMF																												
Setbacks from Prioritized Land Uses	--	1.4	1.4	1.4	--	1.1	1.1	1.1	--	1	1	1	--	1.2	1.2	1.2	--	1	1	1	--	2	2	2	--	1	1	1
Geology																												
Adverse Soil Conditions Along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Erosion Potential	--	2.1	2.1	2.1	--	2.1	2.1	2.1	--	2.5	2.5	2.5	--	2.1	2.1	2.1	--	2.3	2.3	2.3	--	2.1	2.1	2.1	--	2.2	2.2	2.2
Flooding Potential	--	1.2	1.2	1.2	--	1.4	1.4	1.4	--	3.1	3.1	3.1	--	1.3	1.3	1.3	--	2.1	2.1	2.1	--	1.2	1.2	1.2	--	1.8	1.8	1.8
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	1.2	1.2	1.2	--	1.8	1.8	1.8	--	2	2	2	--	2	2	2	--	2	2	2	--	1.5	1.5	1.5	--	1.9	1.9	1.9
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	4	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	4	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	4	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	4	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.6	1.6	1.6	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Telecommunications Route Constructability	4	--	--	--	4	--	--	--	4	--	--	--	1	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-71	SC-71	DC-71	PC-71	AC-72	SC-72	DC-72	PC-72	AC-73	SC-73	DC-73	PC-73	AC-74	SC-74	DC-74	PC-74	AC-75	SC-75	DC-75	PC-75	AC-76	SC-76	DC-76	PC-76	AC-77	SC-77	DC-77	PC-77
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	3	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	4	--	--	--	3	--	--	--
Avian Collision	--	2	2	2	--	2	2	2	2	--	--	--	3	--	--	--	--	2	3	2	--	2	3	2	--	2	2	2
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Water Bodies	--	1	1	1	--	2.1	2.1	2.1	--	3	3	3	--	1.5	1.5	1.5	--	3	3	3	--	1	1	1	--	2.5	2.5	2.5
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	--	2	2	2	--	2	2	2	2	--	--	--	2	--	--	--	--	2	2	2	--	3	3	3	--	2	2	2
Community Development Guidelines	1	--	--	--	5	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	5	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	5	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	2	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--
Cultural Resources Permitting Time	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--
Native American Resource Issues	2	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--
Remove/Replace Existing Structures	--	2	5	2	--	3	3	3	3	--	--	--	5	--	--	--	--	4	4	4	--	3	3	3	--	3	3	3
Pole/Tower Design	--	1	5	1	--	1	5	1	2	--	--	--	2	--	--	--	--	4	4	4	--	1	5	1	--	2	5	3
Permits and Restrictions	--	2	3	2	--	3	4	4	3	--	--	--	3	--	--	--	--	2	2	2	--	3	3	3	--	2	2	2
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	3	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for O&M	--	3	4	3	--	5	5	5	5	--	--	--	3	--	--	--	--	2	2	2	--	4	4	4	--	5	5	5
Terrain along Segment	2	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Access to the Segment for Construction/Operations	3	--	--	--	4	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	F	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Constructability-Pole/Tower Design for Subtransmission	--	2	2	2	--	1	1	1	1	--	--	--	F	--	--	--	--	1	1	1	--	1	1	1	--	1	1	1
Constructability - Permits and Restrictions	--	1	1	1	--	3	3	3	1	--	--	--	F	--	--	--	--	1	1	1	--	1	1	1	--	1	1	1
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	F	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction	1	--	--	--	2	--	--	--	1	--	--	--	F	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Access Roads Needed for Construction	--	1	1	1	--	2	2	2	1	--	--	--	F	--	--	--	--	1	1	1	--	1	1	1	--	1	1	1
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	F	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Availability of ROW for Construction	--	3	3	3	--	5	5	5	5	--	--	--	F	--	--	--	--	1	1	1	--	5	5	5	--	5	5	5
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	2	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	5	--	--	--	2	--	--	--	1	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--
Access Roads Needed	--	2	2	2	--	3	3	3	2	--	--	--	2	--	--	--	--	2	2	2	--	2	2	2	--	3	3	3
Access Roads Needed for Construction	--	2	2	2	--	3	3	3	2	--	--	--	2	--	--	--	--	2	2	2	--	2	2	2	--	3	3	3
EMF																												
Setbacks from Prioritized Land Uses	--	3	3	3	--	1	1	1	--	1	1	1	--	1.3	1.3	1.3	--	3	3	3	--	1	1	1	--	1	1	1
Geology																												
Adverse Soil Conditions Along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--
Erosion Potential	--	2	2	2	--	2.2	2.2	2.2	--	2.3	2.3	2.3	--	2.1	2.1	2.1	--	2.2	2.2	2.2	--	2	2	2	--	2.3	2.3	2.3
Flooding Potential	--	1	1	1	--	1.7	1.7	1.7	--	2	2	2	--	1.5	1.5	1.5	--	2	2	2	--	1	1	1	--	2.4	2.4	2.4
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1.2	1.2	1.2	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	1	1	1	--	2	2	2	--	1.4	1.4	1.4	--	1.6	1.6	1.6	--	2	2	2	--	1.5	1.5	1.5	--	1.8	1.8	1.8
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	1	--	--	--	5	--	--	--	5	--	--	--	4	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--
Existing Land Use(s) Surrounding the Segment	1	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	2	--	--	--	4	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	3	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--
Airport Land Use Plan	--	1	1	1	--	1.6	1.6	1.6	--	1	1	1	--	1.4	1.4	1.4	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Telecommunications Route Constructability	2	--	--	--	4	--	--	--	4	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-78	SC-78	DC-78	PC-78	AC-79	SC-79	DC-79	PC-79	AC-80	SC-80	DC-80	PC-80	AC-81	SC-81	DC-81	PC-81	AC-82	SC-82	DC-82	PC-82	AC-83	SC-83	DC-83	PC-83	AC-84	SC-84	DC-84	PC-84
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Biology																												
Wildlife Corridors	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Avian Collision	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Water Bodies	--	1.6	1.6	1.6	--	1.9	1.9	1.9	--	1	1	1	--	1	1	1	--	2	2	2	--	2.5	2.5	2.5	--	1.8	1.8	1.8
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources Permitting Time	4	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Native American Resource Issues	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	3	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Remove/Replace Existing Structures	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3
Pole/Tower Design	--	2	5	3	--	1	5	2	--	1	5	2	--	1	5	2	--	1	5	2	--	1	5	2	--	2	5	3
Permits and Restrictions	--	2	2	2	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	2	2	2
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	3	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Availability of ROW for O&M	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5
Terrain along Segment	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	4	--	--	--
Access to the Segment for Construction/Operations	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	4	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--
Constructability-Pole/Tower Design for Subtransmission	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	3	3	3
Constructability - Permits and Restrictions	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	3	3	3
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Access to the Segment for Construction	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Access Roads Needed for Construction	--	2	2	2	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	2	2	2	--	3	3	3
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--
Availability of ROW for Construction	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	4	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--
Access Roads Needed	--	3	3	3	--	4	4	4	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3
Access Roads Needed for Construction	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	--	4	4	4
EMF																												
Setbacks from Prioritized Land Uses	--	1.2	1.2	1.2	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1
Geology																												
Adverse Soil Conditions Along Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Erosion Potential	--	2.2	2.2	2.2	--	2.2	2.2	2.2	--	2	2	2	--	2	2	2	--	2.4	2.4	2.4	--	2.2	2.2	2.2	--	2.2	2.2	2.2
Flooding Potential	--	1.6	1.6	1.6	--	1.8	1.8	1.8	--	1	1	1	--	1	1	1	--	2.8	2.8	2.8	--	1.8	1.8	1.8	--	1.8	1.8	1.8
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1.1	1.1	1.1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.1	1.1	1.1	--	1	1	1	--	1.1	1.1	1.1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	2	2	2	--	1	1	1	--	1	1	1	--	1	1	1	--	1.7	1.7	1.7	--	2	2	2	--	2.2	2.2	2.2
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	1	--	--	--	3	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	3	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--
Telecommunications Route Constructability	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Cal City Substation 115 kV Upgrade Project
Attachment E: Completed Score Sheet

Category/Factor	AC-85	SC-85	DC-85	PC-85	AC-86	SC-86	DC-86	PC-86	AC-87	SC-87	DC-87	PC-87	AC-88	SC-88	DC-88	PC-88	AC-89	SC-89	DC-89	PC-89	AC-90	SC-90	DC-90	PC-90	AC-91	SC-91	DC-91	PC-91
Aesthetics																												
Visual Character/Quality	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--
Locally Valued Places	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Scenic Highways	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--
Biology																												
Wildlife Corridors	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--
Avian Collision	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	2	--	--	--	--	2	2	2	3	--	--	--
Permitting Time Required	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Water Bodies	--	1.9	1.9	1.9	--	1	1	1	--	1.4	1.4	1.4	--	1.2	1.2	1.2	--	1.5	1.5	1.5	--	1	1	1	--	2.4	2.4	2.4
Special-status Species	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--	4	--	--	--
Community																												
Potential Route Segment-Specific Stakeholders	--	2	2	2	--	2	2	2	--	2	2	2	--	2	2	2	3	--	--	--	--	3	3	3	2	--	--	--
Community Development Guidelines	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources																												
Paleontological Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Cultural Resources	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--
Cultural Resources Permitting Time	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	4	--	--	--	2	--	--	--	4	--	--	--
Native American Resource Issues	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	2	--	--	--
Subtrans/Trans Design Mgmt																												
Slope of Segment	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	3	--	--	--	1	--	--	--
Remove/Replace Existing Structures	--	3	3	3	--	3	3	3	--	3	3	3	--	3	3	3	3	--	--	--	--	4	4	4	4	--	--	--
Pole/Tower Design	--	1	5	2	--	1	5	2	--	1	5	2	--	1	5	2	1	--	--	--	--	1	5	1	5	--	--	--
Permits and Restrictions	--	1	1	1	--	1	1	1	--	2	2	2	--	1	1	1	2	--	--	--	--	2	2	2	2	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	2	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--
Availability of ROW for O&M	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5	5	--	--	--	--	3	5	4	3	--	--	--
Terrain along Segment	2	--	--	--	2	--	--	--	2	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--
Access to the Segment for Construction/Operations	3	--	--	--	5	--	--	--	3	--	--	--	3	--	--	--	2	--	--	--	3	--	--	--	2	--	--	--
Constructability - Const Tech Support																												
Slope of Segment for Access Roads	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	2	--	--	--
Constructability-Pole/Tower Design for Subtransmission	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	3	--	--	--	--	2	2	2	1	--	--	--
Constructability - Permits and Restrictions	--	1	1	1	--	2	2	2	--	1	1	1	--	1	1	1	4	--	--	--	--	1	1	1	2	--	--	--
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--
Access to the Segment for Construction	1	--	--	--	4	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--	2	--	--	--
Access Roads Needed for Construction	--	1	1	1	--	5	5	5	--	1	1	1	--	1	1	1	4	--	--	--	--	1	1	1	3	--	--	--
Terrain along Segment	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	5	--	--	--	1	--	--	--	2	--	--	--
Availability of ROW for Construction	--	5	5	5	--	5	5	5	--	5	5	5	--	5	5	5	5	--	--	--	--	3	3	3	3	--	--	--
Electrical Needs - Field Engineering																												
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	2	--	--	--	2	--	--	--	3	--	--	--
Civil Engineering - Access Roads																												
Access to the Segment for Construction/Operations	2	--	--	--	4	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--	3	--	--	--
Access Roads Needed	--	2	2	2	--	4	4	4	--	3	3	3	--	3	3	3	4	--	--	--	--	2	2	2	3	--	--	--
Access Roads Needed for Construction	--	3	3	3	--	4	4	4	--	3	3	3	--	3	3	3	3	--	--	--	--	4	4	4	3	--	--	--
EMF																												
Setbacks from Prioritized Land Uses	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1.3	1.3	1.3	--	2	2	2	--	2	2	2
Geology																												
Adverse Soil Conditions Along Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Erosion Potential	--	2.4	2.4	2.4	--	2	2	2	--	2.1	2.1	2.1	--	2	2	2	--	2.1	2.1	2.1	--	2	2	2	--	2	2	2
Flooding Potential	--	2.6	2.6	2.6	--	1	1	1	--	1.2	1.2	1.2	--	1	1	1	--	1.3	1.3	1.3	--	1	1	1	--	1	1	1
Slope Stability/Landslide Hazards	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Liquefaction Potential	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Soil Contamination	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
Land Acquisition																												
Easement/Rights Required	--	1.2	1.2	1.2	--	2	2	2	--	1.5	1.5	1.5	--	1.7	1.7	1.7	--	2.2	2.2	2.2	--	3.3	3.3	3.3	--	1.4	1.4	1.4
Land Use																												
Zoning / General Plan Land Use(s) Surrounding the Segment	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	1	--	--	--	1	--	--	--	3	--	--	--	1	--	--	--	3	--	--	--	2	--	--	--	1	--	--	--
Airport Land Use Plan	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1
IT/Telecom																												
Cable Distance to Existing Telecom Facilities	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	2	--	--	--	2	--	--	--
Telecommunications Route Constructability	2	--	--	--	2	--	--	--	2	--	--	--	2	--	--	--	4	--	--	--	1	--	--	--	3	--	--	--
Wildfire																												
Fire Threat	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--	1	--	--	--
Fire Severity	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1	--	1	1	1

Category/Factor	AC-92	SC-92	DC-92	PC-92
Aesthetics				
Visual Character/Quality	3	--	--	--
Locally Valued Places	1	--	--	--
Impacts to Scenic Vistas	1	--	--	--
Scenic Highways	1	--	--	--
Biology				
Wildlife Corridors	3	--	--	--
Avian Collision	--	2	2	2
Permitting Time Required	3	--	--	--
Water Bodies	--	1	1	1
Special-status Species	4	--	--	--
Community				
Potential Route Segment-Specific Stakeholders	--	2	2	2
Community Development Guidelines	1	--	--	--
Current/Past Controversy Along or Near the Route Segment	1	--	--	--
Planned Future Development Near the Route Segment	3	--	--	--
Cultural Resources				
Paleontological Resources	3	--	--	--
Cultural Resources	3	--	--	--
Cultural Resources Permitting Time	3	--	--	--
Native American Resource Issues	2	--	--	--
Subtrans/Trans Design Mgmt				
Slope of Segment	1	--	--	--
Remove/Replace Existing Structures	--	3	3	3
Pole/Tower Design	--	1	5	1
Permits and Restrictions	--	2	2	2
Surface and Subsurface Obstacles (Visual Observation Only)	1	--	--	--
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--
Availability of ROW for O&M	--	5	5	5
Terrain along Segment	1	--	--	--
Access to the Segment for Construction/Operations	1	--	--	--
Constructability - Const Tech Support				
Slope of Segment for Access Roads	1	--	--	--
Constructability-Pole/Tower Design for Subtransmission	--	2	2	2
Constructability - Permits and Restrictions	--	2	2	2
Surface and Subsurface Obstacles (Visual Observation Only)	2	--	--	--
Access to the Segment for Construction	2	--	--	--
Access Roads Needed for Construction	--	2	2	2
Terrain along Segment	1	--	--	--
Availability of ROW for Construction	--	5	5	5
Electrical Needs - Field Engineering				
Difficulty Scheduling Outages on Existing Lines for Construction	1	--	--	--
Remove / Replace / Relocate Existing Distribution Structures	3	--	--	--
Civil Engineering - Access Roads				
Access to the Segment for Construction/Operations	2	--	--	--
Access Roads Needed	--	3	3	3
Access Roads Needed for Construction	--	2	2	2
EMF				
Setbacks from Prioritized Land Uses	--	1.1	1.1	1.1
Geology				
Adverse Soil Conditions Along Segment	1	--	--	--
Erosion Potential	--	2	2	2
Flooding Potential	--	1	1	1
Slope Stability/Landslide Hazards	1	--	--	--
Liquefaction Potential	1	--	--	--
Fault Rupture Hazard Zones	--	1	1	1
Soil Contamination	--	1	1	1
Land Acquisition				
Easement/Rights Required	--	1.1	1.1	1.1
Land Use				
Zoning / General Plan Land Use(s) Surrounding the Segment	4	--	--	--
Existing Land Use(s) Surrounding the Segment	5	--	--	--
Special Districts, Specific Plans, Redevelopment Project Area	3	--	--	--
Airport Land Use Plan	--	1	1	1
IT/Telecom				
Cable Distance to Existing Telecom Facilities	5	--	--	--
Telecommunications Permitting Requirements	2	--	--	--
Telecommunications Route Constructability	2	--	--	--
Wildfire				
Fire Threat	1	--	--	--
Fire Severity	--	1	1	1

ATTACHMENT F: ROUTE COMBINATION SCORES

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-0017-DC	001	167	113.86	73.17	3	1	67.37	40.40	27.15	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0017-PC	001	167	113.86	73.17	4	2	67.37	40.40	27.15	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0027-PC	001	177	113.82	73.19	1	3	68.37	40.40	28.14	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0027-DC	001	177	113.83	73.19	2	4	68.37	40.40	28.14	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0122-DC	002	177	113.89	73.2	9	5	68.42	40.45	28.14	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0122-PC	002	177	113.88	73.2	7	6	68.42	40.45	28.14	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0112-PC	002	167	113.92	73.21	14	7	67.42	40.45	27.15	SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0112-DC	002	167	113.92	73.21	13	8	67.42	40.45	27.15	SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0217-PC	003	177	113.95	73.26	22	9	68.43	40.46	28.14	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0217-DC	003	177	113.96	73.26	26	10	68.43	40.46	28.14	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0028-SC	001	178	113.93	73.26	15	11	69.23	40.40	28.83	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-1547-PC	017	177	113.87	73.26	5	12	68.84	40.86	28.14	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1547-DC	017	177	113.88	73.26	6	13	68.84	40.86	28.14	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0018-SC	001	168	113.94	73.27	19	14	68.23	40.40	27.83	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0026-PC	001	176	114.09	73.27	77	15	66.03	40.40	25.80	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0026-DC	001	176	114.1	73.28	85	16	66.03	40.40	25.80	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0207-PC	003	167	113.97	73.29	30	17	67.43	40.46	27.15	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0207-DC	003	167	113.97	73.29	33	18	67.43	40.46	27.15	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0123-SC	002	178	113.97	73.29	27	19	69.28	40.45	28.83	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0016-PC	001	166	114.16	73.31	150	20	65.03	40.40	24.80	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0016-DC	001	166	114.16	73.31	149	21	65.03	40.40	24.80	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0113-SC	002	168	113.97	73.31	32	22	68.28	40.45	27.83	SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-1642-PC	018	177	113.9	73.31	11	23	68.88	40.91	28.14	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1642-DC	018	177	113.91	73.31	12	24	68.88	40.91	28.14	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0111-PC	002	166	114.16	73.32	146	25	65.07	40.45	24.80	SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0111-DC	002	166	114.16	73.32	148	26	65.07	40.45	24.80	SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1537-PC	017	167	113.89	73.33	8	27	67.84	40.86	27.15	SC-04, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1537-DC	017	167	113.89	73.33	10	28	67.84	40.86	27.15	SC-04, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0121-PC	002	176	114.17	73.33	158	29	66.07	40.45	25.80	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0121-DC	002	176	114.18	73.34	167	30	66.07	40.45	25.80	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0407-DC	005	177	113.96	73.34	23	31	68.51	40.54	28.14	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0407-PC	005	177	113.95	73.34	20	32	68.51	40.54	28.14	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0397-DC	005	167	114.05	73.34	61	33	67.52	40.54	27.15	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0397-PC	005	167	114.05	73.34	62	34	67.52	40.54	27.15	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0502-PC	006	177	114.02	73.35	44	35	68.56	40.59	28.14	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0019-PC	001	169	114.13	73.35	119	36	62.44	40.40	24.73	SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-75, SC-90
0-0502-DC	006	177	114.03	73.35	47	37	68.56	40.59	28.14	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-1632-PC	018	167	113.94	73.36	18	38	67.88	40.91	27.15	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1632-DC	018	167	113.94	73.36	17	39	67.88	40.91	27.15	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0019-DC	001	169	114.13	73.36	117	40	62.44	40.40	24.73	SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-75, SC-90
0-0208-SC	003	168	114.04	73.37	59	41	68.29	40.46	27.83	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-1548-SC	017	178	113.94	73.37	16	42	69.69	40.86	28.83	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0218-SC	003	178	114.03	73.37	48	43	69.29	40.46	28.83	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-1927-DC	021	177	113.98	73.38	34	44	69.09	41.12	28.14	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0029-PC	001	179	114.13	73.38	113	45	63.44	40.40	25.73	SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-75, SC-90
0-0206-DC	003	166	114.22	73.38	213	46	65.09	40.46	24.80	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1927-PC	021	177	113.97	73.38	28	47	69.09	41.12	28.14	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0206-PC	003	166	114.22	73.38	214	48	65.09	40.46	24.80	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0408-SC	005	178	114.06	73.39	63	49	69.37	40.54	28.83	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0029-DC	001	179	114.14	73.39	124	50	63.44	40.40	25.73	SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-75, SC-90
0-1737-PC	019	177	113.96	73.39	24	51	68.89	40.92	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1737-DC	019	177	113.97	73.39	29	52	68.89	40.92	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1643-SC	018	178	113.98	73.4	35	53	69.74	40.91	28.83	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0597-DC	007	177	114.1	73.4	87	54	68.57	40.60	28.14	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0597-PC	007	177	114.09	73.4	78	55	68.57	40.60	28.14	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0492-DC	006	167	114.06	73.4	64	56	67.56	40.59	27.15	SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0492-PC	006	167	114.06	73.4	65	57	67.56	40.59	27.15	SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-1546-PC	017	176	114.13	73.41	118	58	66.49	40.86	25.80	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0049-DC	001	199	114.1	73.41	83	59	69.39	40.40	29.16	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0144-PC	002	199	114.13	73.41	108	60	69.43	40.45	29.16	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0144-DC	002	199	114.13	73.41	107	61	69.43	40.45	29.16	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0049-PC	001	199	114.1	73.41	81	62	69.39	40.40	29.16	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0216-PC	003	176	114.2	73.41	192	63	66.09	40.46	25.80	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1727-PC	019	167	114	73.42	40	64	67.90	40.92	27.15	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1727-DC	019	167	114	73.42	41	65	67.90	40.92	27.15	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1546-DC	017	176	114.14	73.42	128	66	66.49	40.86	25.80	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0503-SC	006	178	114.08	73.42	71	67	69.42	40.59	28.83	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0787-DC	009	177	114.11	73.42	89	68	68.77	40.80	28.14	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1538-SC	017	168	113.95	73.42	21	69	68.69	40.86	27.83	SC-04, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0216-DC	003	176	114.21	73.42	205	70	66.09	40.46	25.80	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0787-PC	009	177	114.1	73.42	82	71	68.77	40.80	28.14	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1536-PC	017	166	114.15	73.42	131	72	65.49	40.86	24.80	SC-04, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1536-DC	017	166	114.16	73.42	142	73	65.49	40.86	24.80	SC-04, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0124-DC	002	179	114.18	73.43	172	74	63.49	40.45	25.73	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-75, SC-90
0-0124-PC	002	179	114.17	73.43	159	75	63.49	40.45	25.73	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-75, SC-90
0-1641-PC	018	176	114.18	73.43

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-0777-PC	009	167	114.11	73.44	92	82	67.77	40.80	27.15	SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0114-PC	002	169	114.19	73.44	184	83	62.49	40.45	24.73	SC-09, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-75, SC-90
0-0406-DC	005	176	114.25	73.44	258	84	66.17	40.54	25.80	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0022-PC	001	172	114.09	73.44	80	85	68.22	40.40	27.99	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0398-SC	005	168	114.06	73.44	67	86	68.37	40.54	27.83	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0777-DC	009	167	114.11	73.44	93	87	67.77	40.80	27.15	SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2022-DC	022	177	114	73.44	39	88	69.14	41.17	28.14	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0882-DC	010	177	114.14	73.44	121	89	68.82	40.84	28.14	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2022-PC	022	177	113.99	73.44	36	90	69.14	41.17	28.14	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1633-SC	018	168	114.01	73.44	42	91	68.74	40.91	27.83	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1641-DC	018	176	114.19	73.44	188	92	66.54	40.91	25.80	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0882-PC	010	177	114.13	73.44	110	93	68.82	40.84	28.14	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2687-DC	029	177	113.99	73.44	37	94	69.67	41.70	28.14	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0114-DC	002	169	114.19	73.45	186	95	62.49	40.45	24.73	SC-09, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-75, SC-90
0-2012-DC	022	167	114.04	73.45	58	96	68.14	41.17	27.15	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2012-PC	022	167	114.03	73.45	49	97	68.14	41.17	27.15	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0493-SC	006	168	114.11	73.45	94	98	68.42	40.59	27.83	SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0587-DC	007	167	114.14	73.45	126	99	67.58	40.60	27.15	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0587-PC	007	167	114.14	73.45	125	100	67.58	40.60	27.15	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0050-SC	001	200	114.15	73.46	134	101	70.24	40.40	29.84	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1928-SC	021	178	114.01	73.47	43	102	69.95	41.12	28.83	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1918-SC	021	168	114.03	73.47	45	103	68.95	41.12	27.83	SC-04, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0239-DC	003	199	114.18	73.47	165	104	69.44	40.46	29.16	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0239-PC	003	199	114.18	73.47	166	105	69.44	40.46	29.16	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2782-PC	030	177	114.04	73.47	50	106	69.72	41.75	28.14	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0872-DC	010	167	114.15	73.48	133	107	67.82	40.84	27.15	SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0872-PC	010	167	114.15	73.48	132	108	67.82	40.84	27.15	SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1738-SC	019	178	114.04	73.48	53	109	69.75	40.92	28.83	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0023-SC	001	173	114.16	73.48	138	110	69.07	40.40	28.67	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-2782-DC	030	177	114.04	73.48	51	111	69.72	41.75	28.14	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0788-SC	009	178	114.16	73.49	143	112	69.63	40.80	28.83	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0598-SC	007	178	114.15	73.49	129	113	69.43	40.60	28.83	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-2023-SC	022	178	114.04	73.49	56	114	69.99	41.17	28.83	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0048-PC	001	198	114.36	73.49	440	115	67.04	40.40	26.81	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0032-DC	001	182	114.23	73.49	229	116	68.22	40.40	27.99	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-2677-PC	029	167	114.03	73.49	46	117	68.67	41.70	27.15	SC-04, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2677-DC	029	167	114.04	73.49	52	118	68.67	41.70	27.15	SC-04, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0032-PC	001	182	114.22	73.49	219	119	68.22	40.40	27.99	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-0977-DC	011	177	114.21	73.49	208	120	68.83	40.86	28.14	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0396-PC	005	166	114.29	73.49	313	121	65.17	40.54	24.80	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1631-PC	018	166	114.21	73.49	197	122	65.54	40.91	24.80	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0977-PC	011	177	114.2	73.49	195	123	68.83	40.86	28.14	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0396-DC	005	166	114.29	73.49	312	124	65.17	40.54	24.80	SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1631-DC	018	166	114.22	73.49	211	125	65.54	40.91	24.80	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1728-SC	019	168	114.08	73.49	70	126	68.75	40.92	27.83	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0145-SC	002	200	114.23	73.5	235	127	70.29	40.45	29.84	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0048-DC	001	198	114.36	73.5	438	128	67.04	40.40	26.81	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2013-SC	022	168	114.13	73.5	111	129	69.00	41.17	27.83	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0501-PC	006	176	114.28	73.5	296	130	66.22	40.59	25.80	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2117-PC	023	177	114.04	73.5	55	131	69.15	41.18	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0117-PC	002	172	114.13	73.5	116	132	68.26	40.45	27.99	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-2117-DC	023	177	114.05	73.5	60	133	69.15	41.18	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0117-DC	002	172	114.14	73.5	127	134	68.26	40.45	27.99	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0219-DC	003	179	114.25	73.51	260	135	63.50	40.46	25.73	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-71, SC-75, SC-90
0-1569-PC	017	199	114.12	73.51	105	136	69.85	40.86	29.16	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2688-SC	029	178	114.08	73.51	72	137	70.53	41.70	28.83	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0588-SC	007	168	114.19	73.51	185	138	68.43	40.60	27.83	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-1736-PC	019	176	114.24	73.51	242	139	66.55	40.92	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0219-PC	003	179	114.24	73.51	244	140	63.50	40.46	25.73	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-71, SC-75, SC-90
0-0501-DC	006	176	114.29	73.51	309	141	66.22	40.59	25.80	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1549-DC	017	179	114.12	73.52	106	142	63.90	40.86	25.73	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-1549-PC	017	179	114.11	73.52	91	143	63.90	40.86	25.73	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-1736-DC	019	176	114.25	73.52	257	144	66.55	40.92	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1926-PC	021	176	114.21	73.52	203	145	66.74	41.12	25.80	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0118-SC	002	173	114.2	73.52	190	146	69.12	40.45	28.67	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-2107-DC	023	167	114.08	73.52	73	147	68.15	41.18	27.15	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1569-DC	017	199	114.12	73.52	104	148	69.85	40.86	29.16	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2772-PC	030	167	114.06	73.52	66	149	68.72	41.75	27.15	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2772-DC	030	167	114.07	73.52	68	150	68.72	41.75	27.15	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0139-PC	002	194	114.35	73.52	410	151	68.43	40.45	28.15	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0139-DC	002	194	114.36	73.52	433	152	68.43	40.45	28.15	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-2107-PC	023	167	114.07	73.52	69	153	68.15	41.18	27.15	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1926-DC	021	176	114.21	73.53	204	154	66.74	41.12	25.80	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3067-PC	033	177	114.08	73.53	75	155	69.93	41.96

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-0786-PC	009	176	114.34	73.53	395	163	66.42	40.80	25.80	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0044-PC	001	194	114.26	73.54	274	164	68.38	40.40	28.15	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0044-DC	001	194	114.27	73.54	283	165	68.38	40.40	28.15	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0209-DC	003	169	114.27	73.54	289	166	62.50	40.46	24.73	SC-09, SC-10, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-71, SC-75, SC-90
0-0883-SC	010	178	114.19	73.54	178	167	69.67	40.84	28.83	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3067-DC	033	177	114.08	73.54	74	168	69.93	41.96	28.14	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1664-PC	018	199	114.15	73.54	137	169	69.89	40.91	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2686-DC	029	176	114.24	73.54	247	170	67.33	41.70	25.80	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0778-SC	009	168	114.19	73.54	183	171	68.63	40.80	27.83	SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2686-PC	029	176	114.24	73.54	248	172	67.33	41.70	25.80	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0786-DC	009	176	114.35	73.54	417	173	66.42	40.80	25.80	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2877-PC	031	177	114.12	73.54	100	174	69.73	41.76	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0409-PC	005	179	114.26	73.55	269	175	63.58	40.54	25.73	SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-0409-DC	005	179	114.27	73.55	284	176	63.58	40.54	25.73	SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-0212-DC	003	172	114.19	73.55	182	177	68.28	40.46	27.99	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-2021-PC	022	176	114.26	73.55	279	178	66.79	41.17	25.80	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0212-PC	003	172	114.18	73.55	171	179	68.28	40.46	27.99	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0127-DC	002	182	114.27	73.55	281	180	68.26	40.45	27.99	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-2783-SC	030	178	114.1	73.55	84	181	70.58	41.75	28.83	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2307-SC	025	177	114.04	73.55	54	182	68.95	40.80	28.14	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1726-PC	019	166	114.3	73.55	323	183	65.55	40.92	24.80	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0967-DC	011	167	114.21	73.55	206	184	67.83	40.86	27.15	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0967-PC	011	167	114.21	73.55	207	185	67.83	40.86	27.15	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0399-PC	005	169	114.31	73.55	351	186	62.58	40.54	24.73	SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-1664-DC	018	199	114.15	73.55	136	187	69.89	40.91	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1726-DC	019	166	114.31	73.55	339	188	65.55	40.92	24.80	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0127-PC	002	182	114.26	73.55	267	189	68.26	40.45	27.99	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-1916-PC	021	166	114.2	73.55	196	190	65.75	41.12	24.80	SC-04, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2108-SC	023	168	114.16	73.55	153	191	69.01	41.18	27.83	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2877-DC	031	177	114.12	73.55	103	192	69.73	41.76	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1539-PC	017	169	114.17	73.56	164	193	62.90	40.86	24.73	SC-04, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-2021-DC	022	176	114.26	73.56	278	194	66.79	41.17	25.80	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2678-SC	029	168	114.09	73.56	76	195	69.53	41.70	27.83	SC-04, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0399-DC	005	169	114.31	73.56	350	196	62.58	40.54	24.73	SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-0033-SC	001	183	114.29	73.56	308	197	69.07	40.40	28.67	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-0596-PC	007	176	114.34	73.56	391	198	66.23	40.60	25.80	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1916-DC	021	166	114.21	73.56	209	199	65.75	41.12	24.80	SC-04, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0240-SC	003	200	114.27	73.57	288	200	70.30	40.46	29.84	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1539-DC	017	169	114.17	73.57	163	201	62.90	40.86	24.73	SC-04, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-2118-SC	023	178	114.12	73.57	101	202	70.01	41.18	28.83	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0871-PC	010	166	114.41	73.57	521	203	65.47	40.84	24.80	SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1570-SC	017	200	114.16	73.57	152	204	70.70	40.86	29.84	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0881-PC	010	176	114.4	73.57	512	205	66.47	40.84	25.80	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0871-DC	010	166	114.42	73.57	554	206	65.47	40.84	24.80	SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0429-DC	005	199	114.26	73.57	275	207	69.53	40.54	29.16	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0429-PC	005	199	114.26	73.57	276	208	69.53	40.54	29.16	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3162-PC	034	177	114.11	73.57	97	209	69.97	42.00	28.14	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0776-DC	009	166	114.37	73.57	448	210	65.43	40.80	24.80	SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0021-PC	001	171	114.36	73.57	431	211	65.87	40.40	25.64	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0776-PC	009	166	114.37	73.57	449	212	65.43	40.80	24.80	SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0596-DC	007	176	114.35	73.57	413	213	66.23	40.60	25.80	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1644-PC	018	179	114.18	73.58	175	214	63.95	40.91	25.73	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-1644-DC	018	179	114.19	73.58	187	215	63.95	40.91	25.73	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-2402-SC	026	177	114.13	73.58	112	216	68.99	40.85	28.14	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2676-PC	029	166	114.28	73.58	297	217	66.33	41.70	24.80	SC-04, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-3162-DC	034	177	114.11	73.58	96	218	69.97	42.00	28.14	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2011-PC	022	166	114.28	73.58	305	219	65.79	41.17	24.80	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0881-DC	010	176	114.41	73.58	533	220	66.47	40.84	25.80	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2867-DC	031	167	114.14	73.58	123	221	68.73	41.76	27.15	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0021-DC	001	171	114.37	73.58	458	222	65.87	40.40	25.64	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0045-SC	001	195	114.38	73.58	468	223	69.24	40.40	28.84	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-2867-PC	031	167	114.13	73.58	115	224	68.73	41.76	27.15	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2676-DC	029	166	114.29	73.59	315	225	66.33	41.70	24.80	SC-04, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0234-DC	003	194	114.43	73.59	575	226	68.44	40.46	28.15	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0524-PC	006	199	114.3	73.59	328	227	69.57	40.59	29.16	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0234-PC	003	194	114.42	73.59	558	228	68.44	40.46	28.15	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-2773-SC	030	168	114.12	73.59	102	229	69.58	41.75	27.83	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2011-DC	022	166	114.29	73.59	322	230	65.79	41.17	24.80	SC-04, SC-09, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3817-SC	041	167	114.09	73.59	79	231	68.82	41.68	27.15	SC-03, SC-04, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-0128-SC	002	183	114.33	73.59	370	232	69.12	40.45	28.67	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-2781-DC	030	176	114.3	73.59	331	233	67.37	41.75	25.80	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2781-PC	030	176	114.3	73.59	332	234	67.37	41.75	25.80	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0116-PC	002	171	114.4	73.6	503	235	65.92	40.45	25.64	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1759-PC	019	199	114.23	73.6	232	236	69.91	40.92	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33,

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-0213-SC	003	173	114.25	73.6	255	244	69.13	40.46	28.67	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-67, SC-70, SC-71, SC-75, SC-76, SC-90
0-0222-DC	003	182	114.32	73.6	363	245	68.28	40.46	27.99	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-0524-DC	006	199	114.3	73.6	329	246	69.57	40.59	29.16	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1157-SC	013	167	114.22	73.6	217	247	67.63	40.48	27.15	SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0238-DC	003	198	114.46	73.6	633	248	67.10	40.46	26.81	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0222-PC	003	182	114.31	73.6	349	249	68.28	40.46	27.99	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-0238-PC	003	198	114.46	73.6	630	250	67.10	40.46	26.81	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0430-SC	005	200	114.32	73.61	369	251	70.38	40.54	29.84	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0504-PC	006	179	114.28	73.61	301	252	63.63	40.59	25.73	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-1949-PC	021	199	114.23	73.61	227	253	70.10	41.12	29.16	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0504-DC	006	179	114.29	73.61	318	254	63.63	40.59	25.73	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-1167-SC	013	177	114.18	73.61	170	255	68.63	40.48	28.14	SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1759-DC	019	199	114.23	73.61	231	256	69.91	40.92	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0494-DC	006	169	114.36	73.61	442	257	62.63	40.59	24.73	SC-09, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-0402-PC	005	172	114.2	73.61	194	258	68.36	40.54	27.99	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-3068-SC	033	178	114.15	73.61	135	259	70.78	41.96	28.83	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0497-DC	006	172	114.26	73.61	273	260	68.41	40.59	27.99	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0402-DC	005	172	114.21	73.61	201	261	68.36	40.54	27.99	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0116-DC	002	171	114.41	73.61	528	262	65.92	40.45	25.64	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0046-PC	001	196	114.42	73.61	539	263	64.45	40.40	26.74	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-75, SC-90, SC-92
0-0586-PC	007	166	114.38	73.61	470	264	65.23	40.60	24.80	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2878-SC	031	178	114.17	73.61	157	265	70.59	41.76	28.83	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0046-DC	001	196	114.42	73.61	544	266	64.45	40.40	26.74	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-75, SC-90, SC-92
0-0497-PC	006	172	114.25	73.61	262	267	68.41	40.59	27.99	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0586-DC	007	166	114.38	73.61	469	268	65.23	40.60	24.80	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1564-PC	017	194	114.31	73.61	344	269	68.84	40.86	28.15	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0043-PC	001	193	114.56	73.61	824	270	66.04	40.40	25.81	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-1564-DC	017	194	114.32	73.61	355	271	68.84	40.86	28.15	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-2116-PC	023	176	114.33	73.62	380	272	66.80	41.18	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1634-PC	018	169	114.22	73.62	223	273	62.95	40.91	24.73	SC-04, SC-09, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-1949-DC	021	199	114.23	73.62	228	274	70.10	41.12	29.16	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0978-SC	011	178	114.26	73.62	265	275	69.69	40.86	28.83	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3827-SC	041	177	114.04	73.62	57	276	69.82	41.68	28.14	SC-03, SC-04, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-1929-PC	021	179	114.23	73.62	236	277	64.16	41.12	25.73	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-0043-DC	001	193	114.57	73.62	843	278	66.04	40.40	25.81	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-1929-DC	021	179	114.24	73.62	249	279	64.16	41.12	25.73	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-2868-SC	031	168	114.19	73.62	181	280	69.59	41.76	27.83	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1637-DC	018	172	114.17	73.62	156	281	68.73	40.91	27.99	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1637-PC	018	172	114.16	73.62	141	282	68.73	40.91	27.99	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2116-DC	023	176	114.33	73.63	379	283	66.80	41.18	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1634-DC	018	169	114.22	73.63	221	284	62.95	40.91	24.73	SC-04, SC-09, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-1739-DC	019	179	114.24	73.63	246	285	63.96	40.92	25.73	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-1739-PC	019	179	114.25	73.63	259	286	63.96	40.92	25.73	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-2709-PC	029	199	114.22	73.63	220	287	70.68	41.70	29.16	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3912-SC	042	167	114.13	73.63	114	288	68.87	41.72	27.15	SC-03, SC-04, SC-09, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-2771-PC	030	166	114.32	73.63	365	289	66.37	41.75	24.80	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1568-PC	017	198	114.4	73.63	500	290	67.50	40.86	26.81	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1568-DC	017	198	114.4	73.63	501	291	67.50	40.86	26.81	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0140-SC	002	195	114.42	73.63	538	292	69.29	40.45	28.84	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-3257-PC	035	177	114.17	73.64	160	293	69.99	42.01	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2044-PC	022	199	114.26	73.64	272	294	70.15	41.17	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-1665-SC	018	200	114.22	73.64	224	295	70.75	40.91	29.84	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2709-DC	029	199	114.23	73.64	233	296	70.68	41.70	29.16	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3058-SC	033	168	114.16	73.64	139	297	69.79	41.96	27.83	SC-04, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2497-SC	027	177	114.16	73.64	145	298	69.01	40.86	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3922-SC	042	177	114.11	73.64	95	299	69.87	41.72	28.14	SC-03, SC-04, SC-09, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-0619-PC	007	199	114.37	73.64	456	300	69.59	40.60	29.16	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0031-PC	001	181	114.49	73.64	689	301	65.87	40.40	25.64	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90
0-1922-DC	021	172	114.22	73.64	212	302	68.94	41.12	27.99	SC-04, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1922-PC	021	172	114.21	73.64	199	303	68.94	41.12	27.99	SC-04, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2771-DC	030	166	114.33	73.64	377	304	66.37	41.75	24.80	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0789-DC	009	179	114.39	73.65	494	305	63.84	40.80	25.73	SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-1543-SC	017	173	114.19	73.65	179	306	69.54	40.86	28.67	SC-04, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-3257-DC	035	177	114.17	73.65	161	307	69.99	42.01	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0966-PC	011	166	114.48	73.65	656	308	65.48	40.86	24.80	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0809-PC	009	199	114.31	73.65	342	309	69.78	40.80	29.16	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0966-DC	011	166	114.49	73.65	684	310	65.48	40.86	24.80	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0789-PC	009	179	114.38	73.65	475	311	63.84	40.80	25.73	SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-2044-DC	022	199	114.26	73.65	270	312	70.15	41.17	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0619-DC	007	199	114.37	73.65	457	313	69.59	40.60	29.16	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1919-PC	021	169	114.24	73.65	250	314	63.16	41.12	24.73	SC-04, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-2392-SC	026	167	114.13	73.65	120	315	68.00	40.85	27.15	SC-04, SC-09, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0031-DC	001	181	114.5	73.65	711	316	65.87	40.40	25.64	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90
0-0589-PC	007	169	114.41	73.66

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-3247-DC	035	167	114.23	73.66	225	325	68.99	42.01	27.15	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1919-DC	021	169	114.25	73.66	261	326	63.16	41.12	24.73	SC-04, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-0809-DC	009	199	114.31	73.66	343	327	69.78	40.80	29.16	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0968-SC	011	168	114.31	73.66	345	328	68.69	40.86	27.83	SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1552-PC	017	182	114.24	73.66	238	329	68.68	40.86	27.99	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-1659-DC	018	194	114.38	73.66	466	330	68.89	40.91	28.15	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-1659-PC	018	194	114.37	73.66	450	331	68.89	40.91	28.15	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-3066-PC	033	176	114.36	73.66	436	332	67.58	41.96	25.80	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3066-DC	033	176	114.36	73.66	434	333	67.58	41.96	25.80	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2308-PC	025	178	114.17	73.66	154	334	69.28	40.80	28.83	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1252-SC	014	167	114.25	73.66	253	335	67.68	40.53	27.15	SC-09, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0525-SC	006	200	114.35	73.67	408	336	70.43	40.59	29.84	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1729-PC	019	169	114.29	73.67	320	337	62.96	40.92	24.73	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-0141-DC	002	196	114.43	73.67	578	338	64.50	40.45	26.74	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-75, SC-90, SC-92
0-1168-PC	013	178	114.26	73.67	264	339	68.96	40.48	28.83	SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2306-SC	025	176	114.32	73.67	360	340	66.60	40.80	25.80	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0589-DC	007	169	114.41	73.67	530	341	62.64	40.60	24.73	SC-09, SC-10, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-3828-PC	041	178	114.16	73.67	144	342	70.15	41.68	28.83	SC-03, SC-04, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-0810-SC	009	200	114.39	73.67	487	343	70.64	40.80	29.84	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0141-PC	002	196	114.43	73.67	576	344	64.50	40.45	26.74	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-75, SC-90, SC-92
0-1262-SC	014	177	114.25	73.67	254	345	68.67	40.53	28.14	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0976-DC	011	176	114.46	73.67	634	346	66.48	40.86	25.80	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0403-SC	005	173	114.32	73.67	354	347	69.22	40.54	28.67	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0424-PC	005	194	114.42	73.67	536	348	68.52	40.54	28.15	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0424-DC	005	194	114.43	73.67	567	349	68.52	40.54	28.15	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0412-PC	005	182	114.34	73.67	394	350	68.36	40.54	27.99	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-0223-SC	003	183	114.38	73.67	471	351	69.13	40.46	28.67	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90
0-2106-DC	023	166	114.34	73.67	393	352	65.81	41.18	24.80	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0519-DC	006	194	114.49	73.67	683	353	68.57	40.59	28.15	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0519-PC	006	194	114.48	73.67	657	354	68.57	40.59	28.15	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0412-DC	005	182	114.35	73.67	405	355	68.36	40.54	27.99	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-2876-PC	031	176	114.35	73.67	409	356	67.39	41.76	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2876-DC	031	176	114.35	73.67	412	357	67.39	41.76	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0126-PC	002	181	114.53	73.67	769	358	65.92	40.45	25.64	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90
0-1647-DC	018	182	114.3	73.67	325	359	68.73	40.91	27.99	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-0428-DC	005	198	114.51	73.67	728	360	67.18	40.54	26.81	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1647-PC	018	182	114.29	73.67	307	361	68.73	40.91	27.99	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-0428-PC	005	198	114.51	73.67	727	362	67.18	40.54	26.81	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2308-DC	025	178	114.19	73.67	176	363	69.28	40.80	28.83	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1729-DC	019	169	114.29	73.68	319	364	62.96	40.92	24.73	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-3828-DC	041	178	114.18	73.68	168	365	70.15	41.68	28.83	SC-03, SC-04, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-0592-DC	007	172	114.34	73.68	390	366	68.42	40.60	27.99	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-0592-PC	007	172	114.33	73.68	378	367	68.42	40.60	27.99	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-2689-DC	029	179	114.28	73.68	298	368	64.74	41.70	25.73	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-2689-PC	029	179	114.28	73.68	300	369	64.74	41.70	25.73	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-0138-PC	002	193	114.63	73.68	975	370	66.08	40.45	25.81	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2866-PC	031	166	114.39	73.68	488	371	66.39	41.76	24.80	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2298-PC	025	168	114.16	73.68	147	372	68.28	40.80	27.83	SC-04, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0779-PC	009	169	114.42	73.68	562	373	62.84	40.80	24.73	SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-3056-PC	033	166	114.38	73.68	463	374	66.58	41.96	24.80	SC-04, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0024-PC	001	174	114.39	73.68	495	375	63.28	40.40	25.57	SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-75, SC-90
0-0235-SC	003	195	114.47	73.68	645	376	69.30	40.46	28.84	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0126-DC	002	181	114.54	73.68	790	377	65.92	40.45	25.64	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90
0-0211-PC	003	171	114.47	73.68	644	378	65.93	40.46	25.64	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1950-SC	021	200	114.28	73.69	303	379	70.96	41.12	29.84	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-1168-DC	013	178	114.28	73.69	294	380	68.96	40.48	28.83	SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1263-PC	014	178	114.34	73.69	385	381	69.01	40.53	28.83	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2866-DC	031	166	114.4	73.69	509	382	66.39	41.76	24.80	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0884-DC	010	179	114.43	73.69	572	383	63.88	40.84	25.73	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-0779-DC	009	169	114.42	73.69	561	384	62.84	40.80	24.73	SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-0599-DC	007	179	114.38	73.69	474	385	63.64	40.60	25.73	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-1541-PC	017	171	114.38	73.69	476	386	66.33	40.86	25.64	SC-04, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-3056-DC	033	166	114.39	73.69	481	387	66.58	41.96	24.80	SC-04, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0599-PC	007	179	114.37	73.69	453	388	63.64	40.60	25.73	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-0884-PC	010	179	114.42	73.69	546	389	63.88	40.84	25.73	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-0138-DC	002	193	114.64	73.69	1012	390	66.08	40.45	25.81	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2298-DC	025	168	114.19	73.69	180	391	68.28	40.80	27.83	SC-04, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1638-SC	018	173	114.23	73.69	234	392	69.58	40.91	28.67	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2487-SC	027	167	114.18	73.69	174	393	68.01	40.86	27.15	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1760-SC	019	200	114.29	73.69	317	394	70.76	40.92	29.84	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1932-DC	021	182	114.35	73.69	402	395	68.93	41.12	27.99	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-1732-DC	019	172	114.24	73.69	240	396	68.74	40.92	27.99	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0211-DC	003	171	114.48	73.69	670	397	65.93	40.46	25.64	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2403-PC	026	178	114.2	73.69	189	398	69.33	40.85	28.83	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-53, SC-54

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-1663-PC	018	198	114.44	73.69	595	406	67.55	40.91	26.81	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0507-PC	006	182	114.39	73.7	490	407	68.40	40.59	27.99	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-0507-DC	006	182	114.4	73.7	499	408	68.40	40.59	27.99	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-1553-SC	017	183	114.32	73.7	359	409	69.54	40.86	28.67	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-3258-SC	035	178	114.23	73.7	237	410	70.84	42.01	28.83	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2804-PC	030	199	114.27	73.7	290	411	70.73	41.75	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1541-DC	017	171	114.39	73.7	492	412	66.33	40.86	25.64	SC-04, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-3153-SC	034	168	114.21	73.7	202	413	69.83	42.00	27.83	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0904-PC	010	199	114.36	73.7	420	414	69.83	40.84	29.16	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-1565-SC	017	195	114.39	73.7	480	415	69.70	40.86	28.84	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-3818-PC	041	168	114.17	73.7	155	416	69.16	41.68	27.83	SC-03, SC-04, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-3437-SC	037	167	114.21	73.7	198	417	68.79	41.64	27.15	SC-04, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1166-SC	013	176	114.46	73.7	635	418	66.28	40.48	25.80	SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2403-DC	026	178	114.22	73.7	210	419	69.33	40.85	28.83	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2679-DC	029	169	114.3	73.71	335	420	63.74	41.70	24.73	SC-04, SC-21, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-2679-PC	029	169	114.29	73.71	314	421	63.74	41.70	24.73	SC-04, SC-21, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-1263-DC	014	178	114.36	73.71	427	422	69.01	40.53	28.83	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2784-DC	030	179	114.3	73.71	330	423	64.79	41.75	25.73	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-2784-PC	030	179	114.3	73.71	333	424	64.79	41.75	25.73	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-2804-DC	030	199	114.28	73.71	304	425	70.73	41.75	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2393-PC	026	168	114.21	73.71	200	426	68.33	40.85	27.83	SC-04, SC-09, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0782-PC	009	172	114.32	73.71	366	427	68.61	40.80	27.99	SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-4017-SC	043	177	114.16	73.71	151	428	69.88	41.74	28.14	SC-03, SC-04, SC-09, SC-10, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-0904-DC	010	199	114.36	73.71	422	429	69.83	40.84	29.16	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-1754-DC	019	194	114.44	73.71	587	430	68.90	40.92	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-1754-PC	019	194	114.43	73.71	573	431	68.90	40.92	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0782-DC	009	172	114.33	73.71	373	432	68.61	40.80	27.99	SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3818-DC	041	168	114.19	73.71	177	433	69.16	41.68	27.83	SC-03, SC-04, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-4007-SC	043	167	114.18	73.71	169	434	68.88	41.74	27.15	SC-03, SC-04, SC-09, SC-10, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-3826-SC	041	176	114.35	73.71	416	435	67.48	41.68	25.80	SC-03, SC-04, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-3447-SC	037	177	114.16	73.72	140	436	69.78	41.64	28.14	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2139-PC	023	199	114.33	73.72	374	437	70.16	41.18	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0620-SC	007	200	114.42	73.72	555	438	70.44	40.60	29.84	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3816-SC	041	166	114.36	73.72	437	439	66.48	41.68	24.80	SC-03, SC-04, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2393-DC	026	168	114.24	73.72	241	440	68.33	40.85	27.83	SC-04, SC-09, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2710-SC	029	200	114.31	73.72	348	441	71.54	41.70	29.84	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3161-DC	034	176	114.38	73.72	460	442	67.63	42.00	25.80	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2014-PC	022	169	114.29	73.72	321	443	63.21	41.17	24.73	SC-04, SC-09, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-1944-PC	021	194	114.39	73.72	482	444	69.10	41.12	28.15	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1944-DC	021	194	114.4	73.72	497	445	69.10	41.12	28.15	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-3532-SC	038	167	114.27	73.72	282	446	68.83	41.69	27.15	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3161-PC	034	176	114.38	73.72	462	447	67.63	42.00	25.80	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0523-PC	006	198	114.57	73.72	850	448	67.23	40.59	26.81	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0523-DC	006	198	114.57	73.72	848	449	67.23	40.59	26.81	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2682-DC	029	172	114.22	73.72	216	450	69.52	41.70	27.99	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1733-SC	019	173	114.29	73.72	316	451	69.60	40.92	28.67	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2682-PC	029	172	114.22	73.72	218	452	69.52	41.70	27.99	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1158-PC	013	168	114.3	73.72	334	453	67.96	40.48	27.83	SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1347-SC	015	167	114.29	73.72	310	454	67.69	40.54	27.15	SC-09, SC-10, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0039-PC	001	189	114.5	73.72	705	455	69.23	40.40	29.00	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0039-DC	001	189	114.5	73.72	708	456	69.23	40.40	29.00	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-2139-DC	023	199	114.33	73.73	372	457	70.16	41.18	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0905-SC	010	200	114.42	73.73	552	458	70.69	40.84	29.84	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2119-PC	023	179	114.35	73.73	415	459	64.22	41.18	25.73	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-3923-PC	042	178	114.2	73.73	193	460	70.20	41.72	28.83	SC-03, SC-04, SC-09, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-2045-SC	022	200	114.3	73.73	336	461	71.01	41.17	29.84	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2119-DC	023	179	114.36	73.73	435	462	64.22	41.18	25.73	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-0401-PC	005	171	114.5	73.73	698	463	66.01	40.54	25.64	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2014-DC	022	169	114.3	73.73	338	464	63.21	41.17	24.73	SC-04, SC-09, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-3151-PC	034	166	114.41	73.73	517	465	66.63	42.00	24.80	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2401-SC	026	176	114.35	73.73	397	466	66.65	40.85	25.80	SC-04, SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1660-SC	018	195	114.44	73.73	584	467	69.75	40.91	28.84	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-1636-PC	018	171	114.41	73.73	527	468	66.38	40.91	25.64	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0413-SC	005	183	114.46	73.73	624	469	69.21	40.54	28.67	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-1158-DC	013	168	114.32	73.73	368	470	67.96	40.48	27.83	SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2296-SC	025	166	114.33	73.73	371	471	65.60	40.80	24.80	SC-04, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0401-DC	005	171	114.51	73.74	721	472	66.01	40.54	25.64	SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1357-SC	015	177	114.31	73.74	346	473	68.69	40.54	28.14	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0236-PC	003	196	114.51	73.74	725	474	64.51	40.46	26.74	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-71, SC-75, SC-90, SC-92
0-0236-DC	003	196	114.51	73.74	726	475	64.51	40.46	26.74	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-71, SC-75, SC-90, SC-92
0-3089-PC	033	199	114.35	73.74	418	476	70.94	41.96	29.16	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-1563-PC	017	193	114.6	73.74	910	477	66.50	40.86	25.81	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-3923-DC	042	178	114.22	73.74	222	478

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-3151-DC	034	166	114.42	73.74	543	487	66.63	42.00	24.80	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0804-PC	009	194	114.55	73.74	797	488	68.78	40.80	28.15	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-2027-PC	022	182	114.37	73.74	452	489	68.98	41.17	27.99	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-1636-DC	018	171	114.42	73.74	559	490	66.38	40.91	25.64	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0041-DC	001	191	114.62	73.74	952	491	63.45	40.40	25.74	SC-14, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-75, SC-90, SC-92
0-2027-DC	022	182	114.38	73.74	472	492	68.98	41.17	27.99	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-1742-DC	019	182	114.37	73.74	447	493	68.74	40.92	27.99	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-1742-PC	019	182	114.36	73.74	428	494	68.74	40.92	27.99	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-0221-PC	003	181	114.6	73.74	907	495	65.93	40.46	25.64	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90
0-2774-DC	030	169	114.35	73.75	406	496	63.79	41.75	24.73	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-2774-PC	030	169	114.34	73.75	386	497	63.79	41.75	24.73	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-1566-PC	017	196	114.4	73.75	505	498	64.92	40.86	26.74	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-1566-DC	017	196	114.4	73.75	507	499	64.92	40.86	26.74	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-0007-PC	001	157	114.35	73.75	411	500	68.35	40.40	28.12	SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-0874-DC	010	169	114.48	73.75	672	501	62.89	40.84	24.73	SC-09, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-1923-SC	021	173	114.27	73.75	280	502	69.79	41.12	28.67	SC-04, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0007-DC	001	157	114.36	73.75	426	503	68.35	40.40	28.12	SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-1563-DC	017	193	114.61	73.75	937	504	66.50	40.86	25.81	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-3089-DC	033	199	114.36	73.75	444	505	70.94	41.96	29.16	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0614-PC	007	194	114.56	73.75	825	506	68.58	40.60	28.15	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0614-DC	007	194	114.57	73.75	837	507	68.58	40.60	28.15	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-1551-PC	017	181	114.51	73.75	730	508	66.33	40.86	25.64	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-3248-SC	035	168	114.28	73.75	295	509	69.84	42.01	27.83	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1648-SC	018	183	114.36	73.75	423	510	69.58	40.91	28.67	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-0602-PC	007	182	114.47	73.75	650	511	68.42	40.60	27.99	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-0602-DC	007	182	114.48	73.75	669	512	68.42	40.60	27.99	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-0233-PC	003	193	114.67	73.75	1076	513	66.10	40.46	25.81	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-1358-PC	015	178	114.4	73.75	498	514	69.02	40.54	28.83	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-54, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0999-PC	011	199	114.44	73.75	591	515	69.84	40.86	29.16	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2704-PC	029	194	114.45	73.75	608	516	69.68	41.70	28.15	SC-04, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-1156-SC	013	166	114.49	73.75	686	517	65.28	40.48	24.80	SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0520-SC	006	195	114.54	73.75	774	518	69.43	40.59	28.84	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0508-SC	006	183	114.48	73.75	659	519	69.26	40.59	28.67	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-1261-SC	014	176	114.5	73.75	710	520	66.33	40.53	25.80	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0134-PC	002	189	114.53	73.75	758	521	69.28	40.45	29.00	SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0134-DC	002	189	114.53	73.75	760	522	69.28	40.45	29.00	SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-2498-PC	027	178	114.26	73.75	263	523	69.34	40.86	28.83	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0221-DC	003	181	114.61	73.75	930	524	65.93	40.46	25.64	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90
0-3913-PC	042	168	114.23	73.75	230	525	69.20	41.72	27.83	SC-03, SC-04, SC-09, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-1253-PC	014	168	114.34	73.75	396	526	68.01	40.53	27.83	SC-09, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1551-DC	017	181	114.52	73.76	750	527	66.33	40.86	25.64	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-0233-DC	003	193	114.68	73.76	1105	528	66.10	40.46	25.81	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-0496-DC	006	171	114.58	73.76	857	529	66.06	40.59	25.64	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0119-PC	002	174	114.43	73.76	579	530	63.33	40.45	25.57	SC-09, SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-75, SC-90
0-2777-PC	030	172	114.27	73.76	286	531	69.56	41.75	27.99	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0999-DC	011	199	114.44	73.76	588	532	69.84	40.86	29.16	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0979-DC	011	179	114.48	73.76	655	533	63.90	40.86	25.73	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-2777-DC	030	172	114.27	73.76	285	534	69.56	41.75	27.99	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2704-DC	029	194	114.45	73.76	607	535	69.68	41.70	28.15	SC-04, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0979-PC	011	179	114.47	73.76	647	536	63.90	40.86	25.73	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-1253-DC	014	168	114.36	73.76	443	537	68.01	40.53	27.83	SC-09, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1758-DC	019	198	114.49	73.76	679	538	67.56	40.92	26.81	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0034-PC	001	184	114.54	73.76	794	539	63.28	40.40	25.57	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-75, SC-90
0-2498-DC	027	178	114.28	73.76	293	540	69.34	40.86	28.83	SC-04, SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1758-PC	019	198	114.49	73.76	680	541	67.56	40.92	26.81	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3913-DC	042	168	114.25	73.76	252	542	69.20	41.72	27.83	SC-03, SC-04, SC-09, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-2683-SC	029	173	114.32	73.77	364	543	70.37	41.70	28.67	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2039-DC	022	194	114.45	73.77	605	544	69.15	41.17	28.15	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-2805-SC	030	200	114.36	73.77	429	545	71.59	41.75	29.84	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0877-DC	010	172	114.4	73.77	496	546	68.66	40.84	27.99	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3256-PC	035	176	114.45	73.77	598	547	67.64	42.01	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2043-PC	022	198	114.53	73.77	756	548	67.80	41.17	26.81	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2039-PC	022	194	114.44	73.77	586	549	69.15	41.17	28.15	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-2043-DC	022	198	114.53	73.77	757	550	67.80	41.17	26.81	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-3256-DC	035	176	114.45	73.77	597	551	67.64	42.01	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0119-DC	002	174	114.44	73.77	596	552	63.33	40.45	25.57	SC-09, SC-16, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-75, SC-90
0-0783-SC	009	173	114.37	73.77	446	553	69.47	40.80	28.67	SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2879-DC	031	179	114.37	73.77	454	554	64.80	41.76	25.73	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-1358-DC	015	178	114.42	73.77	541	555	69.02	40.54	28.83	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-54, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0040-SC	001	190	114.57	73.77	845	556	70.09	40.40	29.68	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0877-PC	010	172	114.39	73.77	484	557	68.66	40.84	27.99	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3542-SC	038	177	114.2	73.77	191	558	69.83	41.69	28.14	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2899-PC	031	199	114.34	73.77	392	559	70.74	41.76	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-2018-SC	022	173	114.32	73.77	357	568	69.84	41.17	28.67	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2391-SC	026	166	114.37	73.77	451	569	65.65	40.85	24.80	SC-04, SC-09, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0034-DC	001	184	114.55	73.77	811	570	63.28	40.40	25.57	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-75, SC-90
0-2692-DC	029	182	114.35	73.77	401	571	69.51	41.70	27.99	SC-04, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-0593-SC	007	173	114.4	73.77	504	572	69.28	40.60	28.67	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75, SC-76, SC-90
0-3448-PC	037	178	114.28	73.78	299	573	70.12	41.64	28.83	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1658-DC	018	193	114.67	73.78	1083	574	66.54	40.91	25.81	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-0618-PC	007	198	114.64	73.78	1008	575	67.24	40.60	26.81	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2708-DC	029	198	114.49	73.78	685	576	68.34	41.70	26.81	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0899-PC	010	194	114.58	73.78	864	577	68.83	40.84	28.15	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-3911-SC	042	166	114.42	73.78	542	578	66.52	41.72	24.80	SC-03, SC-04, SC-09, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0618-DC	007	198	114.64	73.78	1007	579	67.24	40.60	26.81	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2329-SC	025	199	114.31	73.78	347	580	69.96	40.80	29.16	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-3438-PC	037	168	114.3	73.78	324	581	69.12	41.64	27.83	SC-04, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1251-SC	014	166	114.51	73.78	719	582	65.33	40.53	24.80	SC-09, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2140-SC	023	200	114.36	73.78	430	583	71.02	41.18	29.84	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2708-PC	029	198	114.48	73.78	665	584	68.34	41.70	26.81	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2899-DC	031	199	114.35	73.78	407	585	70.74	41.76	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2488-PC	027	168	114.26	73.78	268	586	68.34	40.86	27.83	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0899-DC	010	194	114.59	73.78	887	587	68.83	40.84	28.15	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1731-PC	019	171	114.48	73.78	668	588	66.39	40.92	25.64	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-3921-SC	042	176	114.4	73.78	511	589	67.52	41.72	25.80	SC-03, SC-04, SC-09, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2109-DC	023	169	114.38	73.78	477	590	63.22	41.18	24.73	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-0808-DC	009	198	114.61	73.78	935	591	67.44	40.80	26.81	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0808-PC	009	198	114.61	73.78	932	592	67.44	40.80	26.81	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-4018-PC	043	178	114.24	73.79	245	593	70.21	41.74	28.83	SC-03, SC-04, SC-09, SC-10, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-1945-SC	021	195	114.46	73.79	625	594	69.96	41.12	28.84	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0102-DC	002	157	114.42	73.79	556	595	68.40	40.45	28.12	SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-0423-PC	005	193	114.73	73.79	1213	596	66.18	40.54	25.81	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-1189-SC	013	199	114.46	73.79	621	597	69.64	40.48	29.16	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-3448-DC	037	178	114.3	73.79	337	598	70.12	41.64	28.83	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1731-DC	019	171	114.49	73.79	688	599	66.39	40.92	25.64	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0102-PC	002	157	114.41	73.79	531	600	68.40	40.45	28.12	SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-0426-PC	005	196	114.55	73.79	800	601	64.59	40.54	26.74	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90, SC-92
0-0781-PC	009	171	114.59	73.79	892	602	66.27	40.80	25.64	SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0411-PC	005	181	114.64	73.79	985	603	66.01	40.54	25.64	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90
0-2488-DC	027	168	114.29	73.79	311	604	68.34	40.86	27.83	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1755-SC	019	195	114.47	73.79	641	605	69.76	40.92	28.84	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-1921-PC	021	171	114.47	73.79	643	606	66.59	41.12	25.64	SC-04, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0426-DC	005	196	114.55	73.79	803	607	64.59	40.54	26.74	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90, SC-92
0-2122-PC	023	182	114.45	73.79	614	608	68.99	41.18	27.99	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-2122-DC	023	182	114.46	73.79	627	609	68.99	41.18	27.99	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-0903-DC	010	198	114.67	73.79	1074	610	67.48	40.84	26.81	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0903-PC	010	198	114.67	73.79	1077	611	67.48	40.84	26.81	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-4018-DC	043	178	114.26	73.8	271	612	70.21	41.74	28.83	SC-03, SC-04, SC-09, SC-10, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-3062-PC	033	172	114.31	73.8	340	613	69.77	41.96	27.99	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0214-PC	003	174	114.48	73.8	671	614	63.34	40.46	25.57	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-71, SC-75, SC-90
0-3069-DC	033	179	114.36	73.8	425	615	64.99	41.96	25.73	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-3069-PC	033	179	114.36	73.8	421	616	64.99	41.96	25.73	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-1000-SC	011	200	114.47	73.8	649	617	70.70	40.86	29.84	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-3059-PC	033	169	114.39	73.8	489	618	64.00	41.96	24.73	SC-04, SC-21, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-0423-DC	005	193	114.74	73.8	1235	619	66.18	40.54	25.81	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-0411-DC	005	181	114.65	73.8	1019	620	66.01	40.54	25.64	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90
0-3184-PC	034	199	114.35	73.8	404	621	70.99	42.00	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-3090-SC	033	200	114.43	73.8	580	622	71.80	41.96	29.84	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-3059-DC	033	169	114.4	73.8	510	623	64.00	41.96	24.73	SC-04, SC-21, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-0781-DC	009	171	114.6	73.8	912	624	66.27	40.80	25.64	SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3438-DC	037	168	114.32	73.8	352	625	69.12	41.64	27.83	SC-04, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1921-DC	021	171	114.48	73.8	662	626	66.59	41.12	25.64	SC-04, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1646-PC	018	181	114.55	73.8	806	627	66.38	40.91	25.64	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-2799-PC	030	194	114.5	73.8	695	628	69.73	41.75	28.15	SC-04, SC-09, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-3627-SC	039	167	114.32	73.8	358	629	68.84	41.70	27.15	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3246-PC	035	166	114.49	73.8	677	630	66.64	42.01	24.80	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0214-DC	003	174	114.49	73.81	687	631	63.34	40.46	25.57	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-71, SC-75, SC-90
0-1661-DC	018	196	114.45	73.81	603	632	64.96	40.91	26.74	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-1661-PC	018	196	114.45	73.81	600	633	64.96	40.91	26.74	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-2424-SC	026	199	114.34	73.81	382	634	70.01	40.85	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-3062-DC	033	172	114.31	73.81	341	635	69.77	41.96	27.99	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0805-SC	009	195	114.62	73.81	940	636	69.64	40.80	28.84	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-3849-SC	041	199	114.27	73.81	292	637	70.83	41.68	29.16	SC-03, SC-04, SC-14, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3246-DC	035	166	114.5	73.81	697	638	66.64	42.01	24.80	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0969-PC	011	169	114.55	73.81	809	639	62.90	40.86	24.73	SC-09, SC-10, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-2302-SC	025	172	114.32	73.81	356	640	68.79	40.80	27.99	SC-04, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52,

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-2869-DC	031	169	114.43	73.82	571	649	63.80	41.76	24.73	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-2869-PC	031	169	114.42	73.82	540	650	63.80	41.76	24.73	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90
0-1933-SC	021	183	114.39	73.82	479	651	69.79	41.12	28.67	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-2693-SC	029	183	114.44	73.82	593	652	70.37	41.70	28.67	SC-04, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-0793-SC	009	183	114.49	73.82	681	653	69.47	40.80	28.67	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90
0-3637-SC	039	177	114.28	73.82	302	654	69.84	41.70	28.14	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0969-DC	011	169	114.55	73.82	807	655	62.90	40.86	24.73	SC-09, SC-10, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-0135-SC	002	190	114.58	73.82	871	656	70.13	40.45	29.68	SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-1356-SC	015	176	114.57	73.82	852	657	66.34	40.54	25.80	SC-09, SC-10, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-54, SC-59, SC-66, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2113-SC	023	173	114.38	73.82	467	658	69.85	41.18	28.67	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0615-SC	007	195	114.59	73.82	883	659	69.44	40.60	28.84	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0506-PC	006	181	114.72	73.82	1194	660	66.06	40.59	25.64	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90
0-0008-SC	001	158	114.42	73.82	549	661	69.21	40.40	28.81	SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-1348-PC	015	168	114.39	73.82	493	662	68.02	40.54	27.83	SC-09, SC-10, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-54, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1544-PC	017	174	114.41	73.83	525	663	63.75	40.86	25.57	SC-04, SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-3944-SC	042	199	114.35	73.83	414	664	70.88	41.72	29.16	SC-03, SC-04, SC-09, SC-14, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-1544-DC	017	174	114.42	73.83	547	665	63.75	40.86	25.57	SC-04, SC-16, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-3164-PC	034	179	114.38	73.83	465	666	65.04	42.00	25.73	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-3164-DC	034	179	114.38	73.83	464	667	65.04	42.00	25.73	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-2040-SC	022	195	114.5	73.83	692	668	70.00	41.17	28.84	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0887-DC	010	182	114.53	73.83	754	669	68.66	40.84	27.99	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90
0-1559-PC	017	189	114.51	73.83	717	670	69.69	40.86	29.00	SC-04, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-2705-SC	029	195	114.51	73.83	715	671	70.54	41.70	28.84	SC-04, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0887-PC	010	182	114.52	73.83	737	672	68.66	40.84	27.99	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90
0-0129-PC	002	184	114.56	73.83	836	673	63.33	40.45	25.57	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-75, SC-90
0-0038-PC	001	188	114.74	73.83	1232	674	66.88	40.40	26.65	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-0878-SC	010	173	114.43	73.83	565	675	69.52	40.84	28.67	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0506-DC	006	181	114.73	73.83	1217	676	66.06	40.59	25.64	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90
0-2486-SC	027	166	114.44	73.83	589	677	65.66	40.86	24.80	SC-04, SC-09, SC-10, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0603-SC	007	183	114.54	73.83	781	678	69.27	40.60	28.67	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90
0-2872-PC	031	172	114.34	73.83	387	679	69.58	41.76	27.99	SC-04, SC-09, SC-10, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-1348-DC	015	168	114.41	73.83	534	680	68.02	40.54	27.83	SC-09, SC-10, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-54, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0229-DC	003	189	114.59	73.83	888	681	69.29	40.46	29.00	SC-09, SC-10, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-0229-PC	003	189	114.59	73.83	889	682	69.29	40.46	29.00	SC-09, SC-10, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-67, SC-70, SC-75, SC-76, SC-90, SC-92
0-4008-PC	043	168	114.3	73.83	327	683	69.21	41.74	27.83	SC-03, SC-04, SC-09, SC-10, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-2778-SC	030	173	114.36	73.84	439	684	70.42	41.75	28.67	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0038-DC	001	188	114.74	73.84	1231	685	66.88	40.40	26.65	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-0129-DC	002	184	114.57	73.84	851	686	63.33	40.45	25.57	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-75, SC-90
0-0972-DC	011	172	114.47	73.84	640	687	68.67	40.86	27.99	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0791-PC	009	181	114.72	73.84	1200	688	66.27	40.80	25.64	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-0972-PC	011	172	114.46	73.84	623	689	68.67	40.86	27.99	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0404-PC	005	174	114.57	73.84	846	690	63.43	40.54	25.57	SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-0521-DC	006	196	114.59	73.84	885	691	64.64	40.59	26.74	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90, SC-92
0-0197-DC	003	157	114.46	73.84	629	692	68.41	40.46	28.12	SC-09, SC-10, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-0521-PC	006	196	114.59	73.84	884	693	64.64	40.59	26.74	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90, SC-92
0-2016-PC	022	171	114.51	73.84	713	694	66.64	41.17	25.64	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1559-DC	017	189	114.51	73.84	716	695	69.69	40.86	29.00	SC-04, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-2900-SC	031	200	114.39	73.84	486	696	71.60	41.76	29.84	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2028-SC	022	183	114.44	73.84	583	697	69.84	41.17	28.67	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-3063-SC	033	173	114.4	73.84	502	698	70.63	41.96	28.67	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1741-PC	019	181	114.63	73.84	978	699	66.39	40.92	25.64	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-0591-PC	007	171	114.64	73.84	983	700	66.07	40.60	25.64	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2134-DC	023	194	114.52	73.84	736	701	69.16	41.18	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-2134-PC	023	194	114.51	73.84	720	702	69.16	41.18	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1162-SC	013	172	114.42	73.84	535	703	68.47	40.48	27.99	SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0197-PC	003	157	114.45	73.84	619	704	68.41	40.46	28.12	SC-09, SC-10, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-0518-PC	006	193	114.75	73.84	1251	705	66.22	40.59	25.81	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2681-DC	029	171	114.48	73.84	658	706	67.17	41.70	25.64	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2681-PC	029	171	114.48	73.84	661	707	67.17	41.70	25.64	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2872-DC	031	172	114.34	73.84	388	708	69.58	41.76	27.99	SC-04, SC-09, SC-10, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-0994-DC	011	194	114.66	73.84	1055	709	68.84	40.86	28.15	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0994-PC	011	194	114.65	73.84	1031	710	68.84	40.86	28.15	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-3446-SC	037	176	114.44	73.84	592	711	67.44	41.64	25.80	SC-04, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-4008-DC	043	168	114.32	73.84	353	712	69.21	41.74	27.83	SC-03, SC-04, SC-09, SC-10, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-2330-PC	025	200	114.41	73.85	524	713	70.29	40.80	29.84	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-2138-DC	023	198	114.59	73.85	880	714	67.82	41.18	26.81	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2138-PC	023	198	114.59	73.85	882	715	67.82	41.18	26.81	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0404-DC	005	174	114.58	73.85	870	716	63.43	40.54	25.57	SC-16, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-1931-PC	021	181	114.6	73.85	906	717	66.59	41.12	25.64	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-0591-DC	007	171	114.65	73.85	1017	718	66.07	40.60	25.64	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0518-DC	006	193	114.76	73.85	1276	719	66.22	40.59	25.81	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-1741-DC	019	181	114.64	73.85	1014	720	66.39	40.92	25.64	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-0791-DC	009	181	114.73	73.85	1220	721	66.27	40.80	25.64	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-1943-PC	021	193	114.68

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-3533-PC	038	168	114.34	73.85	381	730	69.16	41.69	27.83	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2016-DC	022	171	114.52	73.85	735	731	66.64	41.17	25.64	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0998-DC	011	198	114.72	73.85	1188	732	67.50	40.86	26.81	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-3157-PC	034	172	114.35	73.85	403	733	69.82	42.00	27.99	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0998-PC	011	198	114.72	73.85	1191	734	67.50	40.86	26.81	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2397-SC	026	172	114.36	73.85	424	735	68.84	40.85	27.99	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1639-DC	018	174	114.45	73.86	609	736	63.79	40.91	25.57	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-1639-PC	018	174	114.44	73.86	585	737	63.79	40.91	25.57	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-2330-DC	025	200	114.43	73.86	577	738	70.29	40.80	29.84	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-1753-DC	019	193	114.72	73.86	1183	739	66.56	40.92	25.81	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-1284-SC	014	199	114.48	73.86	654	740	69.69	40.53	29.16	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-1943-DC	021	193	114.68	73.86	1106	741	66.75	41.12	25.81	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-3084-PC	033	194	114.54	73.86	778	742	69.94	41.96	28.15	SC-04, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1931-DC	021	181	114.61	73.86	922	743	66.59	41.12	25.64	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-3279-PC	035	199	114.4	73.86	508	744	71.00	42.01	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2312-SC	025	182	114.45	73.86	602	745	68.79	40.80	27.99	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-72, SC-73, SC-75, SC-76, SC-90
0-3185-SC	034	200	114.45	73.86	616	746	71.84	42.00	29.84	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-3543-DC	038	178	114.32	73.86	361	747	70.16	41.69	28.83	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3533-DC	038	168	114.36	73.86	419	748	69.16	41.69	27.83	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0876-PC	010	171	114.63	73.86	979	749	66.32	40.84	25.64	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1527-DC	017	157	114.38	73.86	461	750	68.81	40.86	28.12	SC-04, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75
0-3541-SC	038	176	114.47	73.86	651	751	67.48	41.69	25.80	SC-04, SC-09, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1527-PC	017	157	114.37	73.86	445	752	68.81	40.86	28.12	SC-04, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75
0-0103-SC	002	158	114.47	73.86	642	753	69.25	40.45	28.81	SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-0006-PC	001	156	114.65	73.86	1021	754	66.00	40.40	25.77	SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75
0-3157-DC	034	172	114.35	73.86	399	755	69.82	42.00	27.99	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-4016-SC	043	176	114.45	73.86	615	756	67.53	41.74	25.80	SC-03, SC-04, SC-09, SC-10, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-59, SC-63, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-1756-PC	019	196	114.52	73.87	739	757	64.97	40.92	26.74	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-1756-DC	019	196	114.52	73.87	741	758	64.97	40.92	26.74	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-3084-DC	033	194	114.54	73.87	777	759	69.94	41.96	28.15	SC-04, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0900-SC	010	195	114.64	73.87	991	760	69.68	40.84	28.84	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-3072-PC	033	182	114.43	73.87	563	761	69.77	41.96	27.99	SC-04, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-2894-PC	031	194	114.56	73.87	819	762	69.74	41.76	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-2703-PC	029	193	114.7	73.87	1136	763	67.33	41.70	25.81	SC-04, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-0419-DC	005	189	114.61	73.87	917	764	69.37	40.54	29.00	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0419-PC	005	189	114.61	73.87	918	765	69.37	40.54	29.00	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-3822-SC	041	172	114.29	73.87	306	766	69.67	41.68	27.99	SC-03, SC-04, SC-16, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-0133-PC	002	188	114.79	73.87	1354	767	66.93	40.45	26.65	SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-3154-PC	034	169	114.44	73.87	582	768	64.04	42.00	24.73	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-0876-DC	010	171	114.64	73.87	1015	769	66.32	40.84	25.64	SC-09, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2703-DC	029	193	114.7	73.87	1141	770	67.33	41.70	25.81	SC-04, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-0806-DC	009	196	114.65	73.87	1037	771	64.85	40.80	26.74	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90, SC-92
0-0006-DC	001	156	114.66	73.87	1052	772	66.00	40.40	25.77	SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75
0-3279-DC	035	199	114.41	73.87	529	773	71.00	42.01	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0806-PC	009	196	114.65	73.87	1036	774	64.85	40.80	26.74	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90, SC-92
0-1946-DC	021	196	114.5	73.87	706	775	65.17	41.12	26.74	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90, SC-92
0-3154-DC	034	169	114.45	73.87	606	776	64.04	42.00	24.73	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-1946-PC	021	196	114.5	73.87	707	777	65.17	41.12	26.74	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90, SC-92
0-4039-SC	043	199	114.42	73.88	560	778	70.89	41.74	29.16	SC-03, SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3259-DC	035	179	114.45	73.88	610	779	65.05	42.01	25.73	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-3072-DC	033	182	114.43	73.88	564	780	69.77	41.96	27.99	SC-04, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-0224-PC	003	184	114.62	73.88	955	781	63.34	40.46	25.57	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-75, SC-90
0-3259-PC	035	179	114.45	73.88	612	782	65.05	42.01	25.73	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-0888-SC	010	183	114.56	73.88	817	783	69.52	40.84	28.67	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90
0-1654-PC	018	189	114.56	73.88	815	784	69.74	40.91	29.00	SC-04, SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-2800-SC	030	195	114.56	73.88	826	785	70.58	41.75	28.84	SC-04, SC-09, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0231-PC	003	191	114.73	73.88	1216	786	63.51	40.46	25.74	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-75, SC-90, SC-92
0-2894-DC	031	194	114.56	73.88	820	787	69.74	41.76	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0231-DC	003	191	114.74	73.88	1233	788	63.51	40.46	25.74	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-75, SC-90, SC-92
0-2882-PC	031	182	114.48	73.88	664	789	69.57	41.76	27.99	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-0133-DC	002	188	114.79	73.88	1351	790	66.93	40.45	26.65	SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2324-SC	025	194	114.48	73.88	667	791	68.96	40.80	28.15	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-1554-DC	017	184	114.56	73.89	833	792	63.75	40.86	25.57	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-75, SC-90
0-1554-PC	017	184	114.55	73.89	802	793	63.75	40.86	25.57	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-75, SC-90
0-1561-PC	017	191	114.62	73.89	953	794	63.91	40.86	25.74	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-75, SC-90, SC-92
0-2788-SC	030	183	114.48	73.89	666	795	70.42	41.75	28.67	SC-04, SC-09, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-1561-DC	017	191	114.63	73.89	966	796	63.91	40.86	25.74	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-75, SC-90, SC-92
0-2898-DC	031	198	114.63	73.89	974	797	68.40	41.76	26.81	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0224-DC	003	184	114.63	73.89	980	798	63.34	40.46	25.57	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-75, SC-90
0-2898-PC	031	198	114.62	73.89	954	799	68.40	41.76	26.81	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-2519-SC	027	199	114.41	73.89	518	800	70.02	40.86	29.16	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-2303-PC	025	173	114.39	73.89	478	801	69.12	40.80	28.67	SC-04, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0514-DC	006	189	114.63	73.89	972	802	69.42	40.59	29.00	SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-0499-PC	006	174	114.6	73.9	902	811	63.47	40.59	25.57	SC-09, SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-3088-PC	033	198	114.59	73.9	881	812	68.59	41.96	26.81	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-2425-PC	026	200	114.46	73.9	632	813	70.34	40.85	29.84	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-0499-DC	006	174	114.61	73.9	920	814	63.47	40.59	25.57	SC-09, SC-16, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-2038-PC	022	193	114.74	73.9	1241	815	66.80	41.17	25.81	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0421-PC	005	191	114.75	73.9	1255	816	63.59	40.54	25.74	SC-14, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-75, SC-90, SC-92
0-3531-SC	038	166	114.53	73.9	763	817	66.49	41.69	24.80	SC-04, SC-09, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0387-DC	005	157	114.5	73.9	696	818	68.49	40.54	28.12	SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75
0-3179-PC	034	194	114.56	73.9	831	819	69.98	42.00	28.15	SC-04, SC-09, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0421-DC	005	191	114.76	73.9	1274	820	63.59	40.54	25.74	SC-14, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-75, SC-90, SC-92
0-0387-PC	005	157	114.49	73.9	678	821	68.49	40.54	28.12	SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75
0-0803-DC	009	193	114.81	73.9	1411	822	66.43	40.80	25.81	SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0982-PC	011	182	114.59	73.9	876	823	68.67	40.86	27.99	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90
0-2123-SC	023	183	114.5	73.9	693	824	69.85	41.18	28.67	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-2407-SC	026	182	114.5	73.9	703	825	68.84	40.85	27.99	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-72, SC-73, SC-75, SC-76, SC-90
0-2419-SC	026	194	114.55	73.9	808	826	69.00	40.85	28.15	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-0613-DC	007	193	114.81	73.9	1408	827	66.24	40.60	25.81	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2026-PC	022	181	114.64	73.9	990	828	66.63	41.17	25.64	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-0982-DC	011	182	114.6	73.9	893	829	68.67	40.86	27.99	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90
0-0414-PC	005	184	114.71	73.9	1168	830	63.42	40.54	25.57	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-75, SC-90
0-1622-PC	018	157	114.43	73.9	574	831	68.86	40.91	28.12	SC-04, SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75
0-1622-DC	018	157	114.44	73.9	590	832	68.86	40.91	28.12	SC-04, SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75
0-0601-PC	007	181	114.78	73.9	1312	833	66.07	40.60	25.64	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90
0-2873-SC	031	173	114.39	73.91	483	834	70.43	41.76	28.67	SC-04, SC-09, SC-10, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-71, SC-75, SC-76, SC-90
0-2425-DC	026	200	114.48	73.91	674	835	70.34	40.85	29.84	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-2038-DC	022	193	114.74	73.91	1242	836	66.80	41.17	25.81	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-3850-PC	041	200	114.39	73.91	491	837	71.17	41.68	29.84	SC-03, SC-04, SC-14, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0973-SC	011	173	114.5	73.91	699	838	69.53	40.86	28.67	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-66, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2691-DC	029	181	114.63	73.91	962	839	67.17	41.70	25.64	SC-04, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-2026-DC	022	181	114.65	73.91	1024	840	66.63	41.17	25.64	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-1190-PC	013	200	114.52	73.91	745	841	69.97	40.48	29.84	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-2691-PC	029	181	114.63	73.91	956	842	67.17	41.70	25.64	SC-04, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-1656-DC	018	191	114.7	73.91	1144	843	63.96	40.91	25.74	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-75, SC-90, SC-92
0-3179-DC	034	194	114.56	73.91	827	844	69.98	42.00	28.15	SC-04, SC-09, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1656-PC	018	191	114.69	73.91	1121	845	63.96	40.91	25.74	SC-04, SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-75, SC-90, SC-92
0-3469-SC	037	199	114.42	73.91	557	846	70.80	41.64	29.16	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-0414-DC	005	184	114.72	73.91	1196	847	63.42	40.54	25.57	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-75, SC-90
0-2135-SC	023	195	114.57	73.91	838	848	70.02	41.18	28.84	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1560-SC	017	190	114.55	73.91	805	849	70.55	40.86	29.68	SC-04, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0601-DC	007	181	114.79	73.91	1334	850	66.07	40.60	25.64	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-69, SC-70, SC-75, SC-76, SC-90
0-2111-PC	023	171	114.58	73.91	854	851	66.65	41.18	25.64	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1172-SC	013	182	114.55	73.91	795	852	68.47	40.48	27.99	SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-72, SC-73, SC-75, SC-76, SC-90
0-2303-DC	025	173	114.41	73.91	514	853	69.12	40.80	28.67	SC-04, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0886-PC	010	181	114.76	73.91	1295	854	66.31	40.84	25.64	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-0101-PC	002	156	114.69	73.91	1116	855	66.05	40.45	25.77	SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75
0-3073-SC	033	183	114.53	73.91	767	856	70.63	41.96	28.67	SC-04, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-1649-DC	018	184	114.6	73.92	899	857	63.79	40.91	25.57	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-75, SC-90
0-1649-PC	018	184	114.59	73.92	875	858	63.79	40.91	25.57	SC-04, SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-75, SC-90
0-3850-DC	041	200	114.41	73.92	520	859	71.17	41.68	29.84	SC-03, SC-04, SC-14, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0420-SC	005	190	114.68	73.92	1107	860	70.23	40.54	29.68	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-1939-PC	021	189	114.56	73.92	830	861	69.95	41.12	29.00	SC-04, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1924-DC	021	174	114.51	73.92	724	862	64.00	41.12	25.57	SC-04, SC-16, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-1924-PC	021	174	114.5	73.92	700	863	64.00	41.12	25.57	SC-04, SC-16, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90
0-1257-SC	014	172	114.45	73.92	604	864	68.52	40.53	27.99	SC-09, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-2041-PC	022	196	114.54	73.92	788	865	65.22	41.17	26.74	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90, SC-92
0-0898-PC	010	193	114.87	73.92	1523	866	66.48	40.84	25.81	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0886-DC	010	181	114.77	73.92	1309	867	66.31	40.84	25.64	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-1190-DC	013	200	114.54	73.92	787	868	69.97	40.48	29.84	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-2492-SC	027	172	114.41	73.92	526	869	68.85	40.86	27.99	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3167-PC	034	182	114.47	73.92	639	870	69.82	42.00	27.99	SC-04, SC-09, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-2041-DC	022	196	114.54	73.92	784	871	65.22	41.17	26.74	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-71, SC-73, SC-75, SC-90, SC-92
0-0616-PC	007	196	114.67	73.92	1069	872	64.65	40.60	26.74	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90, SC-92
0-0616-DC	007	196	114.67	73.92	1070	873	64.65	40.60	26.74	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90, SC-92
0-2776-PC	030	171	114.53	73.92	764	874	67.22	41.75	25.64	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-3832-SC	041	182	114.43	73.92	566	875	69.66	41.68	27.99	SC-03, SC-04, SC-15, SC-16, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-75, SC-76, SC-90
0-2895-SC	031	195	114.63	73.92	968	876	70.60	41.76	28.84	SC-04, SC-09, SC-10, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-2776-DC	030	171	114.53	73.92	762	877	67.22	41.75	25.64	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2111-DC	023	171	114.59	73.92	873	878	66.65	41.18	25.64	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0101-DC	002	156	114.7	73.92	1131	879	66.05	40.45	25.77	SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-67, SC-69, SC-70, SC-71, SC-75
0-2328-SC	025	198	114.61	73.92	927	880	67.61	40.80	26.81	SC-04, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-0198-SC	003	158	114.52	73.92	738	881	69.27	40.46	28.81	SC-09, SC-10, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-58, SC-59, SC-67, SC-70, SC-71, SC-75
0-3628-PC	039	168	114.41	73.92	516	882	69.18	41.70	27.83	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1939-DC	021	189	114.56	73.93	829	883	69.95	41.12	29.00	SC-04, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-59, SC

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-2706-PC	029	196	114.52	73.93	732	892	65.75	41.70	26.74	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-3628-DC	039	168	114.43	73.93	569	893	69.18	41.70	27.83	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3636-SC	039	176	114.54	73.93	783	894	67.50	41.70	25.80	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1734-PC	019	174	114.53	73.94	759	895	63.81	40.92	25.57	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-1734-DC	019	174	114.54	73.94	782	896	63.81	40.92	25.57	SC-04, SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-71, SC-75, SC-90
0-3183-PC	034	198	114.64	73.94	988	897	68.64	42.00	26.81	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0030-SC	001	180	114.76	73.94	1281	898	66.81	40.40	26.41	SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-72, SC-75, SC-90
0-3183-DC	034	198	114.65	73.94	1016	899	68.64	42.00	26.81	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90, SC-92
0-0995-SC	011	195	114.7	73.94	1127	900	69.70	40.86	28.84	SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-3823-PC	041	173	114.39	73.94	485	901	70.00	41.68	28.67	SC-03, SC-04, SC-16, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-3638-DC	039	178	114.4	73.94	506	902	70.18	41.70	28.83	SC-04, SC-09, SC-10, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3085-SC	033	195	114.6	73.94	911	903	70.79	41.96	28.84	SC-04, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1655-SC	018	190	114.63	73.94	969	904	70.59	40.91	29.68	SC-04, SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0971-DC	011	171	114.71	73.94	1172	905	66.33	40.86	25.64	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-66, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-1188-SC	013	198	114.7	73.94	1146	906	67.29	40.48	26.81	SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-1184-SC	013	194	114.63	73.94	961	907	68.64	40.48	28.15	SC-14, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-3252-DC	035	172	114.42	73.94	548	908	69.83	42.01	27.99	SC-04, SC-09, SC-10, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-2798-DC	030	193	114.75	73.94	1265	909	67.38	41.75	25.81	SC-04, SC-09, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2798-PC	030	193	114.75	73.94	1266	910	67.38	41.75	25.81	SC-04, SC-09, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2706-DC	029	196	114.53	73.94	755	911	65.75	41.70	26.74	SC-04, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-1528-SC	017	158	114.43	73.94	568	912	69.67	40.86	28.81	SC-04, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75
0-3168-SC	034	183	114.53	73.94	770	913	70.67	42.00	28.67	SC-04, SC-09, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90
0-3945-PC	042	200	114.45	73.95	613	914	71.21	41.72	29.84	SC-03, SC-04, SC-09, SC-14, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0901-PC	010	196	114.71	73.95	1164	915	64.90	40.84	26.74	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90, SC-92
0-1285-PC	014	200	114.54	73.95	779	916	70.02	40.53	29.84	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-1163-PC	013	173	114.5	73.95	690	917	68.80	40.48	28.67	SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3848-SC	041	198	114.57	73.95	853	918	68.49	41.68	26.81	SC-03, SC-04, SC-14, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-0901-DC	010	196	114.71	73.95	1157	919	64.90	40.84	26.74	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90, SC-92
0-3442-SC	037	172	114.43	73.95	570	920	69.63	41.64	27.99	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3274-PC	035	194	114.63	73.95	959	921	70.00	42.01	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0509-PC	006	184	114.75	73.95	1249	922	63.47	40.59	25.57	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-75, SC-90
0-2801-PC	030	196	114.59	73.95	874	923	65.80	41.75	26.74	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-3844-SC	041	194	114.49	73.95	676	924	69.83	41.68	28.15	SC-03, SC-04, SC-14, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-75, SC-76, SC-90, SC-92
0-3249-DC	035	169	114.53	73.95	753	925	64.06	42.01	24.73	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-3823-DC	041	173	114.41	73.95	523	926	70.00	41.68	28.67	SC-03, SC-04, SC-16, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-1749-PC	019	189	114.61	73.95	915	927	69.75	40.92	29.00	SC-04, SC-09, SC-10, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-3249-PC	035	169	114.52	73.95	734	928	64.06	42.01	24.73	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-68, SC-71, SC-73, SC-75, SC-90
0-0509-DC	006	184	114.76	73.95	1272	929	63.47	40.59	25.57	SC-09, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-75, SC-90
0-2398-PC	026	173	114.45	73.95	599	930	69.17	40.85	28.67	SC-04, SC-09, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-3061-DC	033	171	114.62	73.95	948	931	67.43	41.96	25.64	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3061-PC	033	171	114.62	73.95	949	932	67.43	41.96	25.64	SC-04, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3253-SC	035	173	114.46	73.95	628	933	70.69	42.01	28.67	SC-04, SC-09, SC-10, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3945-DC	042	200	114.47	73.96	648	934	71.21	41.72	29.84	SC-03, SC-04, SC-09, SC-14, SC-15, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90, SC-92
0-3564-SC	038	199	114.46	73.96	636	935	70.84	41.69	29.16	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-2133-PC	023	193	114.8	73.96	1388	936	66.81	41.18	25.81	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0594-DC	007	174	114.65	73.96	1029	937	63.49	40.60	25.57	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-1285-DC	014	200	114.56	73.96	828	938	70.02	40.53	29.84	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-2310-PC	025	180	114.5	73.96	709	939	64.34	40.80	26.41	SC-04, SC-15, SC-17, SC-26, SC-27, SC-28, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-71, PC-72, SC-73, SC-75, SC-90
0-0594-PC	007	174	114.64	73.96	1006	940	63.49	40.60	25.57	SC-09, SC-10, SC-16, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-65, SC-66, SC-71, SC-75, SC-90
0-2883-SC	031	183	114.51	73.96	722	941	70.43	41.76	28.67	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90
0-3274-DC	035	194	114.63	73.96	960	942	70.00	42.01	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0799-PC	009	189	114.74	73.96	1223	943	69.63	40.80	29.00	SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-2301-SC	025	171	114.57	73.96	847	944	66.45	40.80	25.64	SC-04, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-0983-SC	011	183	114.64	73.96	997	945	69.53	40.86	28.67	SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, SC-51, SC-52, SC-54, SC-59, SC-66, SC-70, SC-73, SC-75, SC-76, SC-90
0-2034-PC	022	189	114.62	73.96	943	946	69.99	41.17	29.00	SC-04, SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-1283-SC	014	198	114.71	73.96	1163	947	67.34	40.53	26.81	SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-66, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-0609-DC	007	189	114.71	73.96	1162	948	69.43	40.60	29.00	SC-09, SC-10, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-1558-PC	017	188	114.74	73.96	1239	949	67.34	40.86	26.65	SC-04, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2801-DC	030	196	114.6	73.96	894	950	65.80	41.75	26.74	SC-04, SC-09, SC-14, SC-15, SC-17, SC-21, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-71, SC-75, SC-90, SC-92
0-2313-PC	025	183	114.52	73.96	733	951	69.12	40.80	28.67	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-70, SC-72, SC-73, SC-75, SC-76, SC-90
0-1558-DC	017	188	114.74	73.96	1236	952	67.34	40.86	26.65	SC-04, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-0482-DC	006	157	114.59	73.96	877	953	68.54	40.59	28.12	SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75
0-1749-DC	019	189	114.61	73.96	914	954	69.75	40.92	29.00	SC-04, SC-09, SC-10, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-59, SC-64, SC-65, SC-68, SC-70, SC-75, SC-76, SC-90, SC-92
0-0609-PC	007	189	114.71	73.96	1160	955	69.43	40.60	29.00	SC-09, SC-10, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-54, SC-59, SC-65, SC-66, SC-70, SC-75, SC-76, SC-90, SC-92
0-0482-PC	006	157	114.58	73.96	858	956	68.54	40.59	28.12	SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-49, PC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-65, SC-66, SC-70, SC-71, SC-75
0-2514-SC	027	194	114.61	73.96	924	957	69.02	40.86	28.15	SC-04, SC-09, SC-10, SC-14, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-64, SC-68, SC-70, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-3156-DC	034	171	114.65	73.96	1030	958	67.47	42.00	25.64	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-3156-PC	034	171	114.65	73.96	1028	959	67.47	42.00	25.64	SC-04, SC-09, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-73, SC-75, SC-76, SC-90
0-0228-PC	003	188	114.86	73.96	1488	960	66.94	40.46	26.65	SC-09, SC-10, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2423-SC	026	198	114.64	73.96	1002	961	67.66	40.85	26.81	SC-04, SC-09, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-1717-DC	019	157	114.51	73.96	723	962	68.87	40.92	28.12	SC-04, SC-09, SC-10, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-58, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75
0-1717-PC	019	157	114.5	73.96	704	963	68.87	40.92	28.12	SC-04, SC-09, SC-10, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-58, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75
0-2398-DC	026

Cal City Substation 115 kV Upgrade Project
Attachment F: Route Combination Scores

Route Combination Name	End-to-End Route Element 1	End-to-End Route Element 2	Raw Score	Weighted Score	Raw Score Rank	Weighted Score Rank	Total Length (miles)	Element 1 Length (miles)	Element 2 Length (miles)	Route Segments Included
0-2871-PC	031	171	114.61	73.97	931	973	67.23	41.76	25.64	SC-04, SC-09, SC-10, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-2034-DC	022	189	114.62	73.97	945	974	69.99	41.17	29.00	SC-04, SC-09, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-53, SC-54, SC-55, SC-59, SC-64, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-2871-DC	031	171	114.61	73.97	928	975	67.23	41.76	25.64	SC-04, SC-09, SC-10, SC-16, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-71, SC-75, SC-76, SC-90
0-0228-DC	003	188	114.86	73.97	1490	976	66.94	40.46	26.65	SC-09, SC-10, SC-14, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-67, SC-69, SC-70, SC-75, SC-76, SC-90, SC-92
0-2121-PC	023	181	114.72	73.97	1176	977	66.65	41.18	25.64	SC-04, SC-09, SC-10, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-59, SC-64, SC-68, SC-69, SC-70, SC-73, SC-75, SC-76, SC-90
0-0784-DC	009	174	114.66	73.97	1058	978	63.68	40.80	25.57	SC-16, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-55, SC-56, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90
0-1163-DC	013	173	114.52	73.97	731	979	68.80	40.48	28.67	SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, DC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-4012-SC	043	172	114.42	73.97	537	980	69.73	41.74	27.99	SC-03, SC-04, SC-09, SC-10, SC-16, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-54, SC-59, SC-63, SC-70, SC-71, SC-75, SC-76, SC-90
0-3626-SC	039	166	114.59	73.97	891	981	66.50	41.70	24.80	SC-04, SC-09, SC-10, SC-21, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-51, SC-52, SC-54, SC-59, SC-63, SC-68, SC-69, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1907-PC	021	157	114.45	73.97	611	982	69.07	41.12	28.12	SC-04, SC-12, SC-26, SC-27, SC-28, SC-29, SC-30, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, PC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75
0-0020-SC	001	170	114.77	73.97	1305	983	65.82	40.40	25.42	SC-26, SC-27, SC-28, SC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-54, SC-55, SC-56, SC-59, SC-67, SC-71, SC-72, SC-75, SC-90
0-1907-DC	021	157	114.46	73.97	622	984	69.07	41.12	28.12	SC-04, SC-12, SC-26, SC-27, SC-28, SC-29, SC-30, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, DC-52, SC-54, SC-55, SC-56, SC-58, SC-59, SC-64, SC-68, SC-70, SC-71, SC-73, SC-75
0-2520-PC	027	200	114.53	73.98	768	985	70.35	40.86	29.84	SC-04, SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, PC-51, SC-54, SC-59, SC-64, SC-68, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90, SC-92
0-0125-SC	002	180	114.8	73.98	1381	986	66.86	40.45	26.41	SC-09, SC-15, SC-17, SC-26, SC-27, SC-28, SC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-67, SC-71, SC-72, SC-75, SC-90
0-0996-PC	011	196	114.72	73.98	1199	987	64.91	40.86	26.74	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-54, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90, SC-92
0-3180-SC	034	195	114.6	73.98	908	988	70.84	42.00	28.84	SC-04, SC-09, SC-14, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-30, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-68, SC-70, SC-73, SC-75, SC-76, SC-90, SC-92
0-0516-DC	006	191	114.8	73.98	1376	989	63.64	40.59	25.74	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, DC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-75, SC-90, SC-92
0-0996-DC	011	196	114.72	73.98	1197	990	64.91	40.86	26.74	SC-09, SC-10, SC-14, SC-15, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, DC-52, SC-54, SC-59, SC-66, SC-71, SC-73, SC-75, SC-90, SC-92
0-1934-PC	021	184	114.64	73.98	1005	991	64.00	41.12	25.57	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, PC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-73, SC-75, SC-90
0-1258-PC	014	173	114.56	73.98	822	992	68.85	40.53	28.67	SC-09, SC-16, SC-26, SC-27, SC-28, SC-33, SC-34, SC-35, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, SC-48, SC-50, PC-51, SC-53, SC-54, SC-55, SC-59, SC-66, SC-70, SC-71, SC-72, SC-73, SC-75, SC-76, SC-90
0-1934-DC	021	184	114.65	73.98	1026	993	64.00	41.12	25.57	SC-04, SC-15, SC-16, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-73, SC-75, SC-90
0-2786-PC	030	181	114.67	73.98	1065	994	67.22	41.75	25.64	SC-04, SC-09, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, PC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-2786-DC	030	181	114.67	73.98	1066	995	67.22	41.75	25.64	SC-04, SC-09, SC-15, SC-16, SC-17, SC-21, SC-26, SC-27, SC-28, SC-29, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-65, SC-68, SC-69, SC-70, SC-75, SC-76, SC-90
0-0516-PC	006	191	114.79	73.98	1344	996	63.64	40.59	25.74	SC-09, SC-14, SC-17, SC-26, SC-27, SC-28, PC-29, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-52, SC-53, SC-54, SC-55, SC-59, SC-65, SC-66, SC-75, SC-90, SC-92
0-1623-SC	018	158	114.49	73.98	682	997	69.72	40.91	28.81	SC-04, SC-09, SC-12, SC-26, SC-27, SC-28, SC-29, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-50, SC-51, SC-52, SC-53, SC-54, SC-55, SC-58, SC-59, SC-64, SC-65, SC-68, SC-70, SC-71, SC-75
0-3927-SC	042	182	114.49	73.98	675	998	69.71	41.72	27.99	SC-03, SC-04, SC-09, SC-15, SC-16, SC-17, SC-22, SC-26, SC-27, SC-28, SC-33, SC-34, SC-37, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-48, SC-49, SC-51, SC-52, SC-53, SC-54, SC-55, SC-59, SC-63, SC-70, SC-75, SC-76, SC-90
0-1170-PC	013	180	114.66	73.98	1054	999	64.02	40.48	26.41	SC-15, SC-17, SC-26, SC-27, SC-28, SC-30, SC-31, SC-32, SC-33, SC-34, SC-36, SC-38, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, SC-46, PC-51, SC-54, SC-55, SC-56, SC-59, SC-66, SC-71, PC-72, SC-73, SC-75, SC-90
0-1941-DC	021	191	114.73	73.98	1212	1000	64.17	41.12	25.74	SC-04, SC-14, SC-17, SC-26, SC-27, SC-28, DC-29, SC-30, SC-31, SC-32, SC-33, SC-34, SC-35, SC-36, SC-39, SC-41, SC-42, SC-43, SC-44, SC-45, DC-52, SC-54, SC-55, SC-56, SC-59, SC-64, SC-68, SC-73, SC-75, SC-90, SC-92

Appendix N

Mitigation Monitoring, Compliance, and Reporting Program

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DRAFT MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM

Southern California Edison's Cal City Substation 115 kV Upgrade Project

(APPLICATION NO. A.23-03-005)

Introduction

This document describes the mitigation monitoring, compliance, and reporting program (MMCRP) for ensuring the effective implementation of the mitigation measures required for the California Public Utilities Commission (CPUC) approval of the Southern California Edison (SCE) application to construct, operate, and maintain the Cal City Substation 115 kV Upgrade Project (Project). The MMCRP includes all measures proposed by SCE, also referred to as Applicant Proposed Measures (APMs) and Best Management Practices (BMPs), and all mitigation measures identified by the CPUC to reduce potentially significant impacts. All APMs, BMPs, and mitigation measures are presented in **Table N-1** provided at the end of this MMCRP.

If the Project is approved by the CPUC, this MMCRP would serve as a self-contained general reference for the Mitigation Monitoring, Compliance, and Reporting Program adopted by the CPUC for the Project. If and when the Project is approved by the Commission, the CPUC will compile the Final Plan from the MMCRP in the Final Environmental Impact Report (FEIR), as adopted.

MMCRP Authority

The California Public Utilities Code in numerous places confers authority upon the CPUC to regulate the terms of service and the safety, practices, and equipment of utilities subject to its jurisdiction. It is the standard practice of the CPUC, pursuant to its statutory responsibility to protect the environment, to require that mitigation measures stipulated as conditions of approval are implemented properly, monitored, and reported on. In 1989, this requirement was codified statewide as Section 21081.6 of the Public Resources Code. Section 21081.6 requires a public agency to adopt a reporting or monitoring program when it adopts an environmental impact report for a project that could have potentially significant environmental effects. California Environmental Quality Act (CEQA) Guidelines Section 15097 was added in 1999 to further clarify lead agency requirements for mitigation monitoring and reporting.

The purpose of an MMCRP is to ensure that measures adopted to mitigate or avoid significant impacts of a project are implemented. The CPUC views the MMCRP as a working guide to

facilitate not only the implementation of mitigation measures by the project proponent, but also the monitoring, compliance, and reporting activities of the CPUC and any monitors it may designate.

The CPUC will address its responsibility under Public Resources Code Section 21081.6 when it takes action on SCE's application. If the CPUC approves the application, it will also adopt an MMCRP that includes the mitigation measures ultimately made conditions of approval by the CPUC. Because the CPUC must decide whether or not to approve the SCE application and because the application may cause either direct or reasonably foreseeable indirect effects on the environment, CEQA requires the CPUC to consider the potential environmental impacts that could occur as the result of its decision and to consider mitigation for any identified significant environmental impacts.

If the CPUC approves SCE's application to construct and operate the Project, SCE would be responsible for implementation of all of the adopted Applicant Proposed Measures (APM), BMPs, and mitigation measures governing the construction, operation, and maintenance of the Project. Though other federal, State, and local agencies would have permit and approval authority over some aspects of the Project, the CPUC would continue to act as the lead agency for monitoring compliance with all mitigation measures required by the adopted FEIR. All approvals and permits obtained by SCE, the Applicant, would be submitted to the CPUC prior to starting the activity for which the permits and approvals were obtained.

Primary Components of the Project

In accordance with CEQA, the CPUC reviewed the impacts that would result from approval of the application. The activities considered include construction and operation of subtransmission lines, substation and switchyard upgrades, distribution, and telecommunications components. The Project's primary components and subtransmission line lengths are identified below.[1]

The following facilities would be installed for the new Kramer–Cal City 115 kV Subtransmission Line:

- Approximately 685 single-circuit lightweight steel (LWS) poles and tubular steel poles (TSPs).
- Approximately 42 circuit-miles of new 954 SAC Magnolia and/or 954 Aluminum Core. Steel Reinforced (ACSR) Rail conductor in a single-circuit configuration on new poles.
- Approximately 42 miles of optical ground wire (OPGW) on new poles.
- Marker balls on OPGW, as required.

The following facilities would be installed for the new Cal City–Edwards-Holgate 115 kV Subtransmission Line:

- Approximately 463 single-circuit LWS poles (including LWS H-frames) and TSPs.

[1] The facilities listed here are for the Project as proposed. In its final decision, the Commission may elect to approve a project that was not proposed by SCE. In the event that the approved project varies from the proposed Project, the final MMCRP will be revised to identify the primary components of the approved project.

- Approximately 28 circuit miles of new 954 SAC Magnolia and/or 954 ACSR Rail conductor in a single-circuit configuration on new poles.
- Approximately 28 miles of OPGW on new poles.
- Approximately 1,600 feet of all-dielectric self-supporting fiber optic cable on new poles connecting into the Cal City Substation.
- Marker balls on OPGW, as required.

The existing 5-acre Cal City Substation would be expanded by approximately 10 acres. Substation improvements would consist of demolition of the existing 33/12 kV substation facility infrastructure and installation of a new five-position 115 kV switchrack, a new five-position 33 kV switchrack, and a new 21-position 12 kV switchrack with vacuum circuit breakers and other equipment at the Cal City Substation. Improvements and telecommunications upgrades at the Kramer and Edwards substations and Holgate Switchyard are also proposed as part of the Project.

Based on the analysis in the EIR and the substantial evidence supporting the analysis, it has been determined that all significant environmental impacts of the Project would be avoided or reduced to below significant level with the incorporation of all feasible mitigation measures with the exception of aesthetics, noise, recreation, and tribal cultural resources.

Roles and Responsibilities

As the lead agency under CEQA, the CPUC is responsible for monitoring the Project to ensure that the required mitigation measures and proposed APMs and BMPs are implemented, as described in the EIR. The CPUC will be responsible for ensuring full compliance with the provisions of the MMCRP and has primary responsibility for implementation of the monitoring program. The purpose of the monitoring program is to document that the mitigation measures, APMs, and BMPs required and relied upon by the CPUC are implemented and that mitigated environmental impacts are reduced. The CPUC has the authority to halt any activity associated with the Project if the activity is determined to be a deviation from the approved Project or the adopted APMs, BMPs, and mitigation measures.

The CPUC may delegate duties and responsibilities for monitoring to third-party mitigation monitors or consultants as deemed necessary. The CPUC will ensure that the person(s) delegated any duties or responsibilities are qualified to monitor compliance.

The CPUC and its mitigation monitors will ensure that any variance process, which will be designed specifically for the Project, or deviation from the procedures identified under the monitoring program, is consistent with CEQA requirements. No Project variance will be approved by the CPUC if it creates a new significant environmental impact. As defined in this MMCRP, a variance should be strictly limited to minor Project changes that will not trigger other permit requirements, that does not increase the severity of an impact or create a new impact, and that clearly and strictly complies with the intent of the mitigation measure and/or Project. A change to the Project that has the potential for creating significant environmental effects will be evaluated to determine whether supplemental CEQA review is required. Any proposed deviation from the

approved Project and adopted mitigation measures, including correction of such deviation, shall be reported immediately to the CPUC and the SCE Mitigation Monitor assigned to the construction for their review and CPUC approval. In some cases, a variance also may require approval by a CEQA responsible agency.

Enforcement and Responsibility

The CPUC is responsible for enforcing the procedures for monitoring through the environmental monitor. The environmental monitor shall note problems with monitoring, notify appropriate agencies or individuals about any problems, and report the problems to the CPUC. The CPUC has the authority to halt any construction, operation, or maintenance activity associated with the Project if the activity is determined to be a deviation from the approved Project or adopted APMs, BMPs, or mitigation measures. The CPUC may assign its authority to its environmental monitor.

Mitigation Compliance Responsibility

SCE is responsible for successfully implementing all of the adopted APMs, BMPs, and mitigation measures identified in Table N-1. The MMCRP contains defined success criteria. Standards for successful mitigation also are implicit in many mitigation measures that include such requirements as obtaining permits or avoiding a specific impact entirely. Additional mitigation success thresholds will be established by applicable agencies with jurisdiction through the permit process and through the review and approval of specific plans for the implementation of mitigation measures.

SCE shall inform the CPUC and its third-party compliance monitor in writing of any mitigation measures that are not or cannot be successfully implemented. The CPUC, in coordination with its mitigation monitor, will assess whether substitute mitigation is appropriate and specify to SCE the subsequent actions required.

Dispute Resolution Process

The MMCRP is expected to reduce or eliminate potential disputes between CPUC staff and SCE concerning implementation of the adopted APMs, BMPs, and mitigation measures. Issues should first be addressed informally at the field level between the CPUC Environmental Monitoring Team and the SCE Environmental Compliance Team with questions that may be raised to the SCE Project Manager or Construction Manager, as necessary. Should the issue not be resolved at the field level, the following procedure will be observed for dispute resolution between CPUC staff and SCE:

- Disputes and complaints should be directed first to the CPUC's designated Project Manager for resolution. The Project Manager will attempt to resolve the dispute.
- Should this informal process fail, the CPUC Project Manager may initiate enforcement or compliance action to address deviations from the approved Project or MMCRP.

General Monitoring Procedures

Mitigation Monitor

Many of the monitoring procedures will be conducted during the construction phase of the Project. The CPUC and SCE's designated Mitigation Monitor are responsible for integrating the mitigation monitoring procedures into the construction process in coordination with SCE. To oversee the monitoring procedures and to ensure success, the Mitigation Monitor assigned to the construction must be on site during that portion of construction that has the potential to create a significant environmental impact or other impact for which mitigation is required. The Mitigation Monitor is responsible for ensuring that all procedures specified in the MMCRP are followed.

Construction Personnel

A key feature contributing to the success of mitigation monitoring will be obtaining the full cooperation of construction personnel and supervisors. Many of the mitigation measures, APMs, and BMPs require action on the part of the construction supervisors or crews for successful implementation. To ensure success, the following actions, detailed in specific measures included in the MMCRP, will be taken:

- SCE shall require all contractors to comply with the conditions of Project approval, including all applicable APMs, BMPs, and mitigation measures.
- One or more pre-construction meetings will be held to inform and train all construction personnel and staff about the requirements of the MMCRP.
- A written summary of mitigation monitoring procedures will be provided to construction supervisors for all adopted APMs, BMPs, and mitigation measures that require their attention.

General Reporting Procedures

Site visits and specified monitoring procedures performed by third-party individuals will be reported to SCE's Mitigation Monitor assigned to the construction. A monitoring record form will be submitted to the Mitigation Monitor by the individual conducting the visit or procedure so that details of the visit can be recorded and progress tracked by the Mitigation Monitor. A checklist will be developed and maintained by the mitigation Monitor to track all procedures required for each mitigation measure and to ensure that the timing specified for the procedures is adhered to. The Mitigation Monitor will note any problems that may occur and take appropriate action to rectify the problems. SCE shall provide the CPUC with written quarterly reports of the Project, which shall include progress of construction, resulting impacts, mitigation implemented, and all other noteworthy elements of the Project. Quarterly reports shall be required as long as mitigation measures are applicable.

Public Access to Records

The public is allowed access to records and reports used to track the monitoring program. Monitoring records and reports will be made available for public inspection by the CPUC on request. The CPUC and SCE will develop a filing and tracking system

Condition Effectiveness Review

In order to fulfill its statutory mandates to mitigate or avoid significant effects on the environment and to design a MMCRP to ensure compliance during project implementation (Pub. Res. Code §21081.6):

- The CPUC may conduct a comprehensive review of conditions that do not effectively mitigating impacts at any time it deems appropriate, including as a result of the Dispute Resolution procedure outlined above; and
- If in either review, the CPUC determines that any conditions are not adequately mitigating significant environmental impacts caused by the project, or that recent proven technological advances could provide more effective mitigation, then the CPUC may impose additional reasonable conditions to effectively mitigate these impacts.

These reviews will be conducted in a manner consistent with the CPUC's rules and practices.

Mitigation Monitoring, Compliance, and Reporting Program

Table N-1, below, presents a compilation of the proposed APMs and BMPs and the recommended mitigation measures. The purpose of the table is to provide a single comprehensive list of the proposed APMs and BMPs and recommended mitigation measures, monitoring and reporting requirements, and timing. SCE proposed APMs and BMPs to minimize environmental impacts associated with implementation of the Project. In some instances, APMs have been superseded by CPUC-recommended mitigation measures, as described in the EIR. The table below identifies only those APMs that have not been superseded and will be implemented as part of the Project.

TABLE N-1
MITIGATION MONITORING, COMPLIANCE, AND REPORTING PROGRAM FOR THE CAL CITY SUBSTATION 115 KV UPGRADE PROJECT

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
Aesthetics			
APM AES-1: Glare and Color Contrast Reduction for Subtransmission Structures and Conductors. To reduce potential significant impacts associated with glare and color contrast for components of the Proposed Project, the finish on all new subtransmission structures will be non-reflective, such as steel that has been galvanized and treated to create a dulled finish or color treated or other functionally equivalent product/process. These types of finishes are designed to reduce light reflection and color contrast and help blend the structures into the landscape setting. All new subtransmission conductors shall be non-specular and non-reflective and the insulators shall be non-reflective and non-refractive to help reduce glare and minimize contrast with the surrounding environment.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during Project operation and maintenance.
APM AES-2: Substation Visual Treatments. To minimize potential significant aesthetic impacts associated with expansion of Cal City Substation, the applicant will prepare a surface treatment plan for the aboveground non-steel structural elements associated with the substation. Colors will be selected according to their ability to reduce the aesthetic impact of the substation and ancillary infrastructure. All color finishes will be flat and non-reflective. The applicant will consult with the City of California City prior to the submittal of the plan to the California Public Utilities Commission (CPUC) 60 days prior to start of construction for comments and approval.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during operation and maintenance
Mitigation Measure 3.1-2c: Treat Surfaces with Appropriate Colors, Finishes, and Textures. For all structures that are visible from moderate to highly sensitive viewing locations (e.g., Kramer–Cal City 115 kV Subtransmission Line at KOPs 2 and 3 and BLM-suggested KOP 3), SCE shall apply surface coatings with appropriate colors, finishes, and textures to most effectively blend the structures with the visible backdrop landscape. For subtransmission structures and lines that are visible from more than one sensitive viewing location, if backdrops are substantially different when viewed from different vantage points, the darker color shall be selected, because darker colors tend to blend into landscape backdrops more effectively than lighter colors, which may contrast and produce glare. At locations where a subtransmission structure and/or lines would be silhouetted against the skyline, non-reflective, light-gray colors shall be selected to blend with the sky. SCE shall develop a SCE Structure Surface Treatment Plan for the lightweight steel (LWS) poles, tubular steel poles, and any other visible structures in consultation with a visual specialist designated by CPUC, as appropriate, to ensure that the objectives of this measure are achieved. SCE shall submit the Structure Surface Treatment Plan to CPUC for review and approval at least 90 days before the start of construction.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction
Air Quality			
APM AIR-1: Tier 4 Construction Equipment. All construction equipment with rating between 100 and 750 hp will be required to use engines compliant with EPA Tier 4 non-road engine standards. In the event a Tier 4 engine is not available for any off-road construction equipment with rating at or higher than 100 hp, that documentation of the unavailability will be provided.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During all phases of construction
APM AIR-2: Dust Control. During construction, fugitive dust will be controlled by implementing the following measures: • Surfaces disturbed by construction activities will be covered or treated with a dust suppressant or water until the completion of activities at each site of disturbance.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
• Inactive, disturbed (e.g., excavated or graded areas) soil and soil piles will be sufficiently watered or sprayed with a soil stabilizer to create a surface crust, or will be covered. • Drop heights from excavators and loaders will be minimized to a distance of no more than 5 feet. Vehicles hauling soil and other loose material will be covered with tarps or maintain at least 6 inches of freeboard. • Vehicles will adhere a speed limit of 15 miles per hour on Project-specific construction routes and within temporary work areas.			
BMP WE-1, Wind Erosion Control. The construction team will apply water or other chemical dust suppressants as necessary to prevent or alleviate dust nuisance generated by construction activities. Covering small stockpiles or areas is an alternative to applying water or other dust palliatives.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction
Biological Resources			
APM BIO-GEN-1: Pre-construction biological clearance surveys and monitoring. Pre-construction clearance surveys will be performed by a qualified biologist (i.e., a biologist with the requisite education and experience to address specific resources), which may be chosen from a previously approved CPUC approved biologist, to avoid or minimize impacts on special-status plants and wildlife species, habitat, nesting birds and other sensitive biological resources in areas with the potential for resources to be present. Sensitive resources identified during the clearance survey will be either: • flagged for avoidance; • moved to outside impact areas; • avoided by implementing procedures to avoid impacts to individuals while impacting habitat (e.g., burrows, dens, etc.); • or documented based on permit authorizations. Specific details on the pre-construction survey requirements may be found within measures for each individual species. Where special-status species (e.g., reptiles, birds, mammals, and bat roosts) or unique resources (defined by regulations and local conservation plans) are known to occur and there is a potential for significant impacts, qualified biologists will monitor construction activities to ensure that impacts to special-status species, sensitive vegetation types, wildlife habitat, and unique resources are avoided and minimized.	SCE and its contractors to implement measure as defined.	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to construction as defined by related measures
APM ENV-GEN-1 WEAP: Worker's Environmental Awareness Training Program. All workers on the Proposed Project site shall be required to attend a Worker's Environmental Awareness Training Program (WEAP). Training shall inform all construction personnel of the resource protection and avoidance measures as well as procedures to be followed upon the discovery of environmental resources. The WEAP training will include, at a minimum, the following topics so crews will understand their obligations: • ESA boundaries • Housekeeping (Trash and equipment cleaning) • Safety • Work stoppage • Communication Protocol • Consequences of non-compliance	SCE and its contractors to implement measure as defined	SCE or designated contractor to develop WEAP and provide to CPUC prior to construction. SCE to maintain documentation of WEAP training (i.e., brochures, sign in sheets) and provide to CPUC prior to construction and upon request as new personnel are trained. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
APM BIO-AVI-2: Nesting Bird Management Plan. SCE shall prepare a Nesting Bird Management Plan (NBMP) in coordination with the CPUC, Bureau of Land Management (BLM), CDFW, and USFWS. The NBMP shall describe methods to minimize potential Proposed Project effects to nesting birds and avoid any potential for unauthorized take. Proposed Project-related disturbance including construction and pre-construction activities shall not proceed within 300 feet of active nests of common bird species or 500 feet of active nests of raptors or special-status bird species (except for golden eagle as described in APM BIO-AVI-4) until approval of the NBMP by the CPUC and BLM in consultation with the CDFW and USFWS. ***NBMP Content*.** The NBMP shall include: (1) definitions of default nest avoidance buffers for each species or group of species, depending on characteristics and conservation status for each species; (2) a notification procedure for buffer distance reductions should they become necessary; (3) a rigorous monitoring protocol, including qualifications of monitors, monitoring schedule, and field methods, to ensure that any Proposed Project-related effects to nesting birds will be minimized; and (4) a protocol for documenting and reporting any inadvertent contact or effects to birds or nests. The paragraphs below describe the NBMP requirements in further detail. ***Background*.** The NBMP shall include the following: 1. A summary of applicable state and federal laws and regulations, including definition of what constitutes a nest or active nest under state and federal law. 2. A procedure for amendment of the NBMP, should there be changes in applicable state or federal regulations. 3. A list of bird species potentially nesting on or near the ROW or other work areas, indicating approximate nesting seasons, nesting habitat, typical nest locations (e.g., ground, vegetation, structures, etc.), tolerance to disturbance (if known) and any conservation status for each species. This section will also note any species that do not require avoidance measures (e.g., rock pigeons). 4. A list of the types of Proposed Project construction activities that may occur during nesting season, with a short description of the noise and physical disturbance resulting from each activity. 5. Clearing of any vegetation, site preparation in open or barren areas, or other Proposed Project-related activities that may adversely affect breeding birds shall be scheduled outside the nesting season, as feasible. ***Pre-construction nest surveys*.** Pre-construction nest surveys will be conducted prior to any construction activities scheduled during the breeding period. For the Proposed Project, the breeding period will be defined as January 1 through August 31. The NBMP shall describe the proposed field methods, survey timing, and qualifications of field biologists. Field biologist qualifications will be subject to review by the CPUC and BLM. The avian biologists conducting the surveys shall be experienced bird surveyors and familiar with standard nest-locating techniques such as those described in Martin and Guepel (1993). Nest surveys will focus on visual searches for nest locations and observations of bird activities and movement to detect nesting activity (e.g., carrying nest materials or food, territorial displays, courtship behavior). Surveys shall be conducted in accordance with the following guidelines. 1. Surveys shall cover all potential nesting habitat within the ROW or other work areas within 500 feet of these areas for raptors and 300 feet for non-raptors. 2. Pre-construction surveys shall be conducted for each work area, no longer than 10 days prior to the start of construction activity. On the first day of construction at any given site, a qualified Avian Biologist will perform a pre-construction “sweep” to identify any bird nests or other resources that may have appeared since the 10-day survey.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction, during all ground disturbing and vegetation removal activities

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
3. SCE shall provide the CPUC and BLM a report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity of the surveyor(s); a list of species observed; and electronic data identifying nest locations and the boundaries of buffer zones. The electronic data set will be updated following each preconstruction nest survey throughout the nesting season. The format and contents of this report will be described in the draft NBMP and will be subject to review and approval by the CPUC and BLM. ***Nest Buffers and Acceptable Activities.*** The NBMP shall specify measures to delineate buffers on the work site, to consist of clearly visible marking and signage. Buffer locations shall be communicated to the construction contractor and shall remain in effect until formally discontinued (when each nest is no longer active). In addition, the NBMP shall specify measures to ensure the buffers are observed, including a direct communication and decision protocol to stop work within buffer areas. In some cases, active nests may be found while work is underway. Therefore, the NBMP shall include a protocol for stopping ongoing work within the buffer area, securing the work site, and removing personnel and equipment from the buffer. The NBMP shall describe proposed measures to avoid take or adverse effects to nests, such as buffer distances from active nests. These measures shall be based on the specific nature of the bird species and conservation status, and other pertinent factors. The NBMP will identify bird species (or groups of species) that are relatively tolerant or intolerant of human activities and specify smaller or larger buffer distances as appropriate for each species. If no information is available to specify a buffer distance for a species, then the NBMP shall specify 300 feet as a standard buffer distance, and 500 feet for raptors and special-status species. Nest management for listed threatened or endangered species will be prescribed in a USFWS Biological Opinion, CDFW Incidental Take Permit, or both. All applicable avoidance measures, including buffer distances, must be continued until nest monitoring (below) confirms that the nestlings have fledged and dispersed, or the nest is no longer active. For each special-status species potentially nesting within or near Proposed Project work areas, the NBMP shall specify applicable buffers and any additional nest protection measures, specialty monitoring, or restrictions on work activities, if needed. The NBMP shall identify acceptable work activities within nest buffers (e.g., pedestrian access for inspection or BMP repair) including conditions and restrictions, and any monitoring required. The NBMP shall include pictorial representation showing buffer distances for ground buffers, vertical helicopter buffers, and horizontal helicopter buffers for nests near the ground and nests in towers. ***Nest Buffer Modification or Reduction.*** At times, SCE or its contractor may propose buffer distances different from those approved in the NBMP. Buffer adjustments shall be reviewed and recommended by a qualified avian biologist, who has been approved by the CPUC and BLM in consultation with the CDFW and USFWS. The NBMP shall provide a procedure and timing requirements for notifying the CPUC, BLM, CDFW, and USFWS of any planned adjustments to nest buffers. Separate and distinct procedures will be provided for special-status birds. The NBMP will list the information to be included in buffer reduction notifications in a standardized format. ***Nest deterrents.*** The NBMP shall describe any proposed measures or deterrents to prevent or reduce bird nesting activity on Proposed Project equipment or facilities, such as buoys, visual or auditory hazing devices, bird repellents, securing of materials, and netting of materials, vehicles, and equipment. It shall also include timing for installation of nest deterrents and field confirmation to prevent effects to any active nest; guidance for the contractor to install, maintain, and remove nest deterrents according to product specifications; and periodic monitoring of nest deterrents to ensure proper installation and functioning and prevent injury or entrapment of birds or other animals. In the event that an active nest is located on Proposed Project facilities, materials or equipment, SCE will avoid disturbance or use of the facilities, materials or equipment (e.g., by red-tag) until the nest is no longer active.			

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
***Communication*.** The NBMP shall specify the responsibilities of construction monitors in regards to nests and nest issues, and specify a direct communication protocol to ensure that nest information and potential adverse impacts to nesting birds can be promptly communicated from nest monitors to construction monitors, so that any needed actions can be taken immediately. The NBMP shall specify a procedure to be implemented following accidental disturbance of nests, including wildlife rehabilitation options. It also shall describe any proposed measures, and applicable circumstances, to prevent take of precocial young of ground-nesting birds such as killdeer or quail. For example, chick fences may be used to prevent them from entering work areas and access roads. Finally, the NBMP will specify a procedure for removal of inactive nests, including verification that the nest is inactive and a notification/approval and approval process prior to removal. ***Monitoring*.** SCE shall be responsible for monitoring the implementation, conformance, and efficacy of the avoidance measures (above). The NBMP shall include specific monitoring measures to track any active bird nest within or adjacent to Proposed Project work areas, bird nesting activity, Proposed Project-related disturbance, and outcome of each nest. For nests with reduced buffers, SCE shall monitor each nest until nestlings have fledged and dispersed or until the nest becomes inactive. Nests with default buffers do not require further monitoring once construction work is completed in the area. New nests discovered after work completion in an area will not require monitoring. In addition, monitoring shall include pre-construction surveys, daily sweeps of work areas and equipment, and any special monitoring requirements for particular activities (tree trimming, vegetation removal, etc.) or particular species (noise monitoring, etc.). Nest monitoring shall continue throughout the breeding season during each year of the Proposed Project's construction activities. ***Reporting*.** Throughout the construction phase of the Proposed Project, nest locations, Proposed Project activities in the vicinity of nests (including helicopter traces), and any adjustments to buffer areas shall be updated and available to CPUC monitors on a daily basis in the Field Reporting Environmental Database (FRED). All buffer reduction notifications and prompt notifications of nest-related non-compliance and corrective actions will be made via email to CPUC monitors. In addition, the NBMP shall specify the format and content of nest data to be provided in regular monitoring and compliance reports. At the end of each year's nest season, SCE will submit an annual NBMP report to the CPUC, BLM, CDFW, and USFWS. ***Implementation locations*:** Project-wide			
APM BIO-AVI-3: *Burrowing Owl* ***Pre-construction survey*.** A pre-construction, focused burrowing owl survey will be conducted no more than 30 days prior to initial start of construction within habitat to determine if any occupied burrows are present. If occupied burrows are found, adequate buffers shall be established around burrows. Adequate buffers will be determined by a Project Avian Biologist based upon field conditions and resource agency guidelines for wintering burrows and breeding season burrows. ***Prepare Burrowing Owl Management Plan*.** SCE will develop a Burrowing Owl Management Plan for the Proposed Project. The Plan will include information related to: 1. assessment of burrow suitability; 2. replacement burrows; 3. methods for relocation; 4. monitoring and reporting; 5. implementation locations.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
***Conduct surveys and avoidance for burrowing owl*.** Burrowing owl surveys shall be conducted in accordance with the most current CDFW guidelines (CDFG, 2012; or updated guidelines as they become available). SCE shall take measures to avoid impacts to any active burrowing owl burrow within or adjacent to a work area. The default buffer for a burrowing owl burrow is 300 feet for ground construction, and 300 feet horizontal and 200 feet vertical for helicopter construction. The Nesting Bird Management Plan will specify a procedure for adjusting this buffer, if needed. Binocular surveys may be substituted for protocol field surveys on private lands adjacent to the Proposed Project site only when SCE has made reasonable attempts to obtain permission to enter the property for survey work but was unable to obtain such permission. If active burrowing owl burrows are located within Proposed Project work areas, SCE may passively relocate the owls, by preparing and implementing a Burrowing Owl Passive Relocation Plan, as described below. SCE shall prepare a draft Burrowing Owl Passive Relocation Plan for review and approval by CPUC and BLM in consultation with CDFW and USFWS prior to the start of any ground-disturbing activities. No passive relocation of burrowing owls shall be permitted during breeding season, unless a qualified biologist verifies through noninvasive methods that an occupied burrow is not occupied by a mated pair, and only upon authorization by CDFW. The Plan shall include, but not be limited to, the following elements: ***Assessment of Suitable Burrow Availability*.** The Plan shall include an inventory of existing, suitable, and unoccupied burrow sites within 300 feet of the affected Proposed Project work site. Suitable burrows will include inactive desert kit fox, ground squirrel, or desert tortoise burrows that are deep enough to provide suitable burrowing owl nesting sites, as determined by a qualified biologist. If two or more suitable and unoccupied burrows are present in the area for each burrowing owl that will be passively relocated, then no replacement burrows will need to be built. ***Replacement Burrows*.** For each burrowing owl that will be passively relocated, if fewer than two suitable unoccupied burrows are available within 300 feet of the affected Proposed Project work site, then SCE shall construct at least two replacement burrows within 300 feet of the affected Proposed Project work site, or in suitable locations within ¼ mile when suitable locations within 300 feet are not available. Burrow replacement sites shall be in areas of suitable habitat for burrowing owl nesting, and subject to minimal human disturbance and access. The Plan shall describe measures to ensure that burrow installation or improvements would not affect sensitive species habitat or any burrowing owls already present in the relocation area. The Plan shall provide guidelines for creation or enhancement of at least two natural or artificial burrows for each active burrow within the Proposed Project disturbance area, including a discussion of timing of burrow improvements, specific location of burrow installation, and burrow design. Design of the artificial burrows shall be consistent with CDFW guidelines (CDFG, 2012; or more current guidance as it becomes available) and shall be approved by the CPUC, BLM, CDFW, and USFWS. ***Methods*.** Provide detailed methods and guidance for passive relocation of burrowing owls, outside the breeding season. An occupied burrow may not be disturbed during the nesting season (generally, but not limited to, February 1 to August 31), unless a qualified biologist determines, by non-invasive methods, that it is not occupied by a mated pair. Passive relocation will include installation of one-way doors on burrow entrances that will let owls out of the burrow but will not let them back in. Once owls have been passively relocated, burrows will be carefully excavated by hand and collapsed by, or under the direct supervision, of a qualified biologist. ***Monitoring and Reporting*.** Describe monitoring and management of the replacement burrow site(s), and provide a reporting plan. The objective shall be to manage the relocation area for the benefit of burrowing			

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
owls, with the specific goal of maintaining the functionality of the burrows for a minimum of two years. Monitoring reports shall be available to the CPUC and BLM on a weekly basis. ***Implementation locations*:** Project-wide.			
APM BIO-HERP-1: Desert Tortoise ***Pre-construction surveys/Construction monitoring*.** Prior to initial ground-disturbing activities, a biological monitor under the supervision of a USFWS- or CDFW-approved biologist—with experience monitoring and handling desert tortoise—will conduct a pre-activity survey in all work areas within potential desert tortoise habitat, plus an approximately 100-foot buffer. All desert tortoise burrows within the pre-activity survey area (including desert tortoise pallets) will be prominently flagged at that time so that they may be avoided during work activities. An approved biologist will be onsite to monitor vegetation removal and grading and provide regular inspections of all other construction activities within desert tortoise habitat. The approved biologist will have the authority to halt all non-emergency actions (as soon as safely possible) that may result in harm to the desert tortoise and will assist in the overall implementation of APMs for the tortoise. In the event a desert tortoise is encountered in the work area, all work will cease, and the approved biologist will be contacted. Work will not commence until the animal has voluntarily moved to a safe distance away from the work area. If it does not move on its own within 15 minutes, an authorized biologist may remove and relocate the animal to a safe location if authorized under existing permit conditions. No tortoise will be handled except under authorization from the USFWS and CDFW. Encounters with desert tortoise will be documented and provided to the appropriate wildlife resource agencies. In the event a dead or injured desert tortoise is observed, the approved biologist will be responsible for notifying SCE's Herpetologist and reporting the incident to the wildlife resource agencies. ***Avoid and minimize impacts*.** All Proposed Project activities located within areas identified as desert tortoise habitat shall implement the following avoidance and minimization measures: 1. Under Vehicle Checks. Desert tortoises commonly seek shade during the hottest times of the day. Employees working within the geographic range of this species will be required to check under their equipment or vehicles before they are moved. If desert tortoises are encountered, the vehicle will not be moved until the tortoise has voluntarily moved away from the equipment or vehicle. 2. Disposal of Trash. Trash and food items will be contained in closed containers and removed daily to reduce attractiveness to opportunistic predators, such as common ravens (Corvus corax), coyotes (Canis latrans), and feral dogs (Canis lupus familiaris). 3. Pets Prohibited. Employees will not bring pets or other animals to the Proposed Project area, unless the animal is ADA compliant. 4. Vehicle Travel. During construction-related activities, motor vehicles will be limited to maintained roads, designated routes, and areas identified as being permanently or temporarily affected by construction within the Proposed Project footprint. Motor vehicle speeds will not exceed 15 miles per hour on Proposed Project-specific construction routes and temporary work areas within habitat for desert tortoise. 5. Trapped Animal Prevention. All auger holes, trenches, pits, or other steep-sided excavations that may pose a hazard to desert tortoise will be either constructed with escape ramps (earthen or wooden) or securely covered when unattended to prevent entrapping animals. At the start and end of each workday, and just before backfilling, all excavations will be inspected for trapped animals. If found, trapped animals will be removed by the qualified biologist and relocated to outside the Proposed Project footprint, as required in all applicable permits or habitat conservation plans.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
***Coordinate with agencies*.** SCE will obtain take coverage and consult with the USFWS, CDFW, and/or land management agencies. In addition to obtaining the necessary permits and authorizations, which may include conducting protocol surveys as required by the agencies, the Proposed Project will be included in SCE's programmatic raven management plan upon completion of construction to minimize the effects of raven predation on desert tortoises as a result of SCE infrastructure.			
APM BIO-MAM-1: Mohave Ground Squirrel ***Coordinate with CDFW*.** SCE intends to apply for a state Incidental Take Permit (ITP) for Mohave ground squirrel through the California Department of Fish and Wildlife (CDFW). In collaboration with CDFW, SCE will develop construction minimization measures and habitat conservation measures during the 2081 (b) ITP consultation. Permit conditions that will be implemented include, but are not limited to: 1. Relocation plan. An MGS relocation plan will be developed by SCE and approved by CDFW prior to the beginning of Proposed Project activities in identified MGS habitat. The relocation plan will include, but not be limited to, survey methods, timing, burrow excavation methods and implementation area, release locations, and identification of wildlife rehabilitation or veterinary facilities for injured animals. The designated biologist will be responsible for the capture, handling, and relocation of MGS. 2. Designated biologist. A qualified MGS biologist authorized by CDFW to handle MGS will be on-site or available for a same day response when Proposed Project activities occur in identified MGS habitat. 3. Biological monitors. Qualified biological monitors will monitor all construction activities in occupied habitat and areas adjacent to occupied habitat. The qualified biologist will have the authority to stop all activities with the potential to impact MGS. The qualified biologist will immediately contact the designated biologist for guidance in the event MGS are encountered. Work will not resume in that area until appropriate measures have been implemented. 4. Pre-construction surveys. Prior to initial ground-disturbing activities, a qualified MGS biologist will conduct pre-construction surveys within identified MGS habitat areas. The preconstruction surveys will identify MGS individuals or burrows for avoidance. 5. Burrow avoidance. A qualified biologist will demarcate [e.g., flagging, signage, fencing, construction maps, etc.] avoidance areas around MGS burrows as needed to prevent impacts. 6. Exclusion Fencing. Temporary Exclusion Fencing may be used to avoid MGS burrows or exclude MGS from work areas when necessary. The designated biologist will oversee exclusion fencing installation to ensure there are no impacts to MGS. The integrity of the exclusion fencing will be checked regularly and repaired as needed. 7. Vehicle Travel. During construction-related activities, motor vehicles will be limited to maintained roads, designated routes, and areas identified as being permanently or temporarily affected by construction within the Proposed Project footprint. Motor vehicle speeds along Proposed Project specific construction routes and temporary work areas within MGS habitat will not exceed 15 miles per hour. 8. Trapped animal prevention. All auger holes, trenches, pits, or other steep-sided excavations that may pose a hazard to MGS will be either constructed with escape ramps (earthen or wooden) or securely covered when unattended to prevent entrapping animals. At the start and end of each workday, and just before backfilling, all excavations will be inspected for trapped animals. Any MGS found will be allowed to escape unimpeded. If an MGS is trapped and does not leave on its own, the designated biologist will move the animal according to the ITP conditions.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
9. Cover Materials. All pipes or other construction materials or supplies shall be covered or capped in storage or laydown areas at the end of each workday to prevent entrapping animals. No pipes or tubing of sizes or inside diameters ranging from 3 to 10 inches shall be left open either temporarily or permanently. All pipes or other construction materials shall be inspected for wildlife prior to moving or installing. If present, MGS will be allowed to leave on their own accord or will be removed by the designated biologist according to the ITP conditions. 10. Trash disposal. Trash and food items will be contained in closed containers and removed daily to reduce attracting predators. 11. Pets Prohibited. Employees will not bring pets or other animals to the Proposed Project area, unless the animal is ADA compliant.			
APM BIO-MAM-2: Desert Kit Fox Preconstruction Surveys. Surveys for desert kit fox shall be conducted within 14 days prior to the start of construction. The survey area shall include the Proposed Project disturbance areas plus a 300-foot buffer during the breeding season (February 1 through April 30) and a 100-foot buffer outside the breeding season. Potentially occupied burrows in Proposed Project disturbance areas and the survey buffer shall be mapped and Qualified Biologist(s) shall utilize tracking stations and/or wildlife cameras to determine whether the burrows are occupied. If a burrow is determined to be occupied by desert kit fox or other special-status mammal species during the breeding season, the burrow shall be demarcated with a 300-foot buffer. If a burrow is determined to be occupied outside the breeding season it shall be demarcated with a 100-foot buffer. Burrows determined to be unoccupied shall be demarcated with a 50-foot buffer. If occupied burrows are found in Proposed Project disturbance areas and cannot be avoided, Qualified Biologist(s) shall passively relocate the occupying animals through the use of one-way doors at burrow entrances that allow the animals to leave on their own. Once vacant, burrows shall be excavated by hand and collapsed. Passive relocation will be avoided from February 1 through April 30 and shall not occur while young are in the burrow and still dependent upon their parents. The CDFW shall be consulted prior to any relocation of desert kit fox during the breeding season. Additionally, the following measure will be implemented to minimize the likelihood of distemper transmission: • Any documented kit fox mortality shall be reported to the CDFW within 24 hours of identification. If a dead kit fox is observed, it shall be retained and protected from scavengers until the CDFW determines if the collection of necropsy samples is justified.	SCE and its contractors to implement measure as defined.	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Within 14 days prior to construction of the Project
APM BIO-RES-1: Develop and Implement Habitat Restoration Plan (HRP). Temporary impacts to regulated species' habitats, plant species, and vegetation communities shall be restored. Regulated species and vegetation communities include all species designated as threatened, endangered or rare, sensitive, or of concern by resource or land agencies. Species and vegetation communities that require restoration will be determined by the resource agencies through the permitting process. Temporary impacts to all other categories of land such as private lands or disturbed areas (e.g., agricultural lands, existing roads, OHV trails, grazing areas, trash/dump site, etc.) shall only be subject to the requirements of the Storm Water Pollution Prevention Plan (SWPPP) and the Invasive Plant Management Plan (IPMP, APM BIO-RES-2). No additional goals, objectives, or success criteria regarding habitat condition are required for these sites. SCE shall develop and implement a Habitat Restoration Plan (HRP). SCE will consult with appropriate agencies during development of the HRP and implement the HRP in conjunction with applicable permit conditions and mitigation measures. The HRP shall be submitted to the CPUC and BLM for review and approval prior to the start of construction. Invasive plant management will be performed in conjunction with the HRP per the Invasive Plant Management Plan (BIO-RES-2).	SCE and its contractors to implement measure as defined	SCE to provide draft and final HRP and annual HRP monitoring reports to the CPUC (and BLM). SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Develop plan and provide to CPUC and BLM prior to construction and implement plan in conjunction with permit conditions as defined by the measure

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
***Habitat Restoration Plan*.** For all restoration sites, the HRP shall include: 1. Restoration goals and objectives based on vegetation type and jurisdictional status of each site. 2. Quantitative restoration success criteria. 3. Implementation details as applicable. Details may include topsoil stockpiling and handling, postconstruction site preparation, soil decompaction and recontouring, planting and seeding palettes to include only native, locally sourced materials with confirmed ability to produce from suppliers, fall or other suitable season-season planting or seeding dates. 4. Maintenance details, which may include weeding, irrigation, or hand-watering schedule and equipment, and erosion control. 5. Monitoring and Reporting, specifying monitoring schedule and data collection methods throughout establishment of vegetation with key indicators of successful or unsuccessful progress, and quantitative criteria values to objectively determine success or failure at the conclusion of the monitoring period. 6. Adaptive management procedures such as reseeding, re-planting, drainage repairs, adjustments to irrigation schedule, and repair or remediation of sites to meet success criteria on schedule. For species and vegetation communities with permit requirements including wetlands and riparian habitats, the goal of the HRP will be to restore plant species, habitat values, or vegetation communities. For restoration sites, the goals, objectives, and success criteria specified in the HRP will include native species cover and species richness compatible with the specific vegetation and habitat type. If an unforeseen catastrophic event (e.g., flood, fire, or other event beyond SCE control) damages a restoration site within the monitoring period, SCE will assess adjacent areas to adjust maintenance activities and success standards in coordination with the agencies. In all areas, seed and/or potted nursery stock of locally native species will be used. The list of plants observed during botanical surveys of the Proposed Project area will be used as a guide to site-specific plant selection, additional appropriate species may be included. Monitoring of the restoration sites will continue annually until HRP success criteria are achieved. SCE will be responsible for implementing adaptive management as needed. For all restoration areas, SCE will provide annual reports to the CPUC and BLM to verify the total vegetation acreage subject to restoration, areas that have been completed, and areas still outstanding. The annual reports will also include a summary of the restoration and adaptive management activities for the previous year, success criteria progress and completion, and any adjustments to planned activities, for the upcoming year.			
APM BIO-RES-2: Develop Invasive Plant Management Plan. SCE shall prepare and implement an Invasive Plant Management Plan (IPMP). This plan shall include measures designed to avoid the introduction and spread of new nonnative invasive plant species (invasive plants) and minimize the spread of existing invasive plants resulting from Proposed Project activities. The IPMP must meet the BLM's requirements for NEPA disclosure and analysis if herbicide use is proposed for the Proposed Project. The IPMP shall be submitted to the CPUC and BLM for review and approval prior to the start of construction. For the purpose of the IPMP, invasive plants shall include plants that (1) are invasive and rated high or moderate for negative ecological impact in the California Invasive Plant Inventory Database (Cal-IPC, 2006), or (2) aid and promote the spread of wildfires (such as Bromus tectorum (cheatgrass), Brassica tournefortii (Sahara mustard), and Bromus madritensis spp. rubens (red brome)) or (3) are identified by	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
the BLM as special concern. The IPMP will be implemented throughout Proposed Project pre-construction, construction, and restoration phases. ***Invasive Plant Management Plan*.** The IPMP will include the information defined in the following sections: *Assessment.* An assessment of the Proposed Project's potential to cause spread or the introduction of invasive plants into new areas, or to introduce new invasive plants into the ROW. This section will list known and potential invasive plants occurring on the ROW and in the Proposed Project region and identify threat rankings and potential for Proposed Project-related occurrence or spread for each species. This section will identify control goals (e.g., eradication, suppression, or containment) for invasive plants of concern with potential to occur on the ROW. *Pre-construction invasive plant inventory*. SCE shall inventory all invasive plants of concern in areas (both within and outside the ROW) subject to Proposed Project-related vegetation removal/disturbance, "drive and crush," and ground-disturbing activity. The invasive plants inventory area shall also include vehicle and equipment access routes within the ROW and all Proposed Project staging and storage yards. Invasive plants of concern shall be mapped by area of occurrence and percent cover. The map will be updated with new occurrences at least once a year. *Pre-construction invasive plants treatment.* Invasive plant infestations identified in the pre-construction invasive plants inventory shall be evaluated to identify potential for Proposed Project-related spread and potential benefits (if any) of pre-construction treatment. Pre-construction treatment will consider the specific invasive plants, potential seed banks, or other issues. The IPMP will identify any infestations to be controlled or eradicated prior to Proposed Project construction. Control and follow-up monitoring of pre-construction invasive plants treatment sites will follow methods identified in appropriate sections of the IPMP. *Prevention.* The IPMP will specify methods to minimize potential transport of new invasive plant seeds onto the ROW, or from one section of the ROW to another. The ROW may be divided into "weed zones," based on invasive plants of concern in the ROW. The IPMP will specify inspection procedures for construction equipment entering the Proposed Project area. Vehicles and equipment may be inspected and cleaned at entry points to specified sections of the ROW, and before leaving work sites where invasive plants of concern must be contained locally. Off road construction equipment shall be inspected to ensure it is free of any dirt or mud that could contain invasive plant seeds, roots, or rhizomes, and the tracks, outriggers, tires, and undercarriage will be carefully washed, with special attention being paid to axles, frame, cross members, motor mounts, underneath steps, running boards, and front bumper/brush guard assemblies. Other construction vehicles (e.g., pick-up trucks) that will be frequently entering and exiting the site will be inspected and washed on an as-needed basis. Tools such as chainsaws, hand clippers, pruners, etc., shall be cleaned of dirt and mud before entering Proposed Project work areas. All vehicles will be washed off-site when possible. If off-site washing is infeasible, on-site cleaning stations (including air washing) will be set up at specified locations to clean equipment before it enters the work area. Wash stations will be located away from native habitat or special-status species occurrences. Wastewater from cleaning stations will not be allowed to run off the cleaning station site. When vehicles and equipment are washed, a daily log must be kept stating the location, date and time, types of equipment, methods used, and personnel present. The log shall contain the signature of the responsible crewmember. Written or electronic logs shall be available to the BLM and CPUC monitors on request.			

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
Erosion control materials (e.g., straw bales) must be certified free of invasive plant seed ("weed-free") before they are brought onto the site. The IPMP must prohibit on-site storage or disposal of mulch or green waste that may contain invasive plant material. Mulch or green waste will be removed from the site in a covered vehicle to prevent seed dispersal and transported to a licensed landfill or composting facility. The IPMP will specify guidelines for any soil, gravel, mulch, or fill material to be imported into the Proposed Project area, transported from site to site within the Proposed Project area, or transported from the Proposed Project area to an off-site location, to prevent the introduction or spread of invasive plants to or from the Proposed Project area. *Monitoring.* The IPMP shall specify methods to survey for invasive plants of concern during pre-construction, construction, and restoration phases; and shall specify qualifications of specialists responsible for invasive plant monitoring and identification. It must include a monitoring schedule to ensure timely detection and immediate control of new invasive plant infestations to prevent further spread. Surveying and monitoring for invasive plant infestations shall occur at least two times per year, to coincide with the early detection period for early season and late season invasive plants. The monitoring section shall also describe methods for post-eradication monitoring to evaluate success of control efforts and any need for follow-up control. *Control.* The IPMP must specify manual and chemical invasive plant control methods to be employed. The IPMP shall include only invasive plant control measures with a demonstrated record of success for target invasive plants, based on the best available information. The plan shall describe proposed methods for promptly scheduling and implementing control activity when any Proposed Project-related invasive plant infestation is located (e.g., located on a Proposed Project disturbance site), to ensure effective and timely invasive plant control. Invasive plant infestations must be controlled or eradicated as soon as possible upon discovery, and before they go to seed, or when appropriate with the goal to prevent further spread. All proposed invasive plant control methods must minimize disturbance to native vegetation, limit ingress and egress to defined routes, and avoid damage to any environmentally sensitive areas (ESAs) identified within or adjacent to the ROW. New infestations by invasive plants of concern will be treated at a minimum of once annually until eradication, suppression, or containment goals are met. Invasive plant occurrences can be considered eradicated when no new seedlings or resprouts are observed for three consecutive years, or a single season where new seedlings or resprouts are observed in reference populations but not at the control site. Invasive plant control efforts may cease when eradication is complete. Manual control shall specify well-timed removal of invasive plants or their seed heads with hand tools; seed heads and plants must be disposed of in accordance with guidelines from the Kern County and San Bernardino County Agricultural Commissioners if such guidelines are available. The chemical control section must include specific and detailed plans for any herbicide use. It must indicate where herbicides will be used, which herbicides will be used, and specify techniques to be used to avoid drift or residual toxicity to native vegetation or special-status plants, consistent with BLM's Vegetation Treatments Using Herbicides on BLM Lands in 17 Western States (BLM, 2007) and National Invasive Species Management Plan (NISC, 2008). All herbicide applications will follow U.S. Environmental Protection Agency label instructions and will be in accordance with federal, state, and local laws and regulations. Only state and BLM-approved herbicides may be used. Herbicide treatment will be implemented by a Licensed Qualified Applicator. Herbicides shall be applied in accordance with product labels and applicator licenses. Herbicides shall not be applied during or within 24 hours of high confidence predicted rain. Only water-safe herbicides shall be used in riparian areas or within channels			

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
(engineered or not) where they could run off into downstream areas. Herbicides shall not be applied in high wind conditions. *Reporting schedule and contents.* The IPMP shall specify reporting schedule and contents of each report.			
APM BIO-BOT-1: Special-status Herbaceous Plants. SCE shall avoid, minimize or mitigate impacts to any state or federally listed or California Rare Plant Rank (CRPR) 1 or 2 herbaceous plants that may be located on the Proposed Project disturbance areas or surrounding buffer areas. Pre-construction survey. Pre-construction clearance surveys in areas where special-status plant species potentially occur will be performed by a qualified biologist (i.e., a biologist with the requisite education and experience to address specific resources), which may be chosen from a previously approved CPUC approved biologist, to avoid or minimize impacts on special-status plants. Disturbance free buffers for herbaceous species shall be 25-ft from the individual and/or occurrence boundary. These buffers shall be established from the previously conducted focused surveys and preconstruction survey results. If a smaller buffer is required, SCE shall develop and implement site-specific monitoring plan to minimize direct impacts to the species. The plan will be submitted to the CPUC for review and approval. In the event of a discovery of previously undescribed species, the boundary of the occurrence (defined by CNDDB as all individuals within a ¼ mile of each other) will be flagged, avoided, and monitored as discussed above and the CPUC, CDFW, and/or USFWS will be notified. ***Focused Survey*.** For construction areas where special-status plant species potentially occur and focused surveys have not occurred, focused surveys will take place prior to construction. Focused surveys will be conducted consistent with methodology described in the Proposed Project Biological Technical Report. ***Restoration and Mitigation*.** SCE will implement the following activities; other conflicting permit conditions will supersede the activities below. 1. Coordinate with Agencies. Agencies shall approve any impacts to special-status plants. Impacts in excess of 10% of any occurrence, or other percentage required by agency regulations on lands under their jurisdiction, shall be restored or mitigated. 2. Habitat Restoration and Revegetation. A Habitat Restoration Plan (HRP) shall address topsoil, plant or propagules salvage, and restoration. A Habitat Mitigation and Management Plan (HMMP) shall address mitigation. Approval of the HRP by appropriate agencies is required before impacts to special-status plant occurrences are allowed. A draft HMMP will be submitted to the appropriate agencies prior to impacts to special-status plants. For more information see APM BIO-RES-1. 3. Salvage. If required by agency regulations on lands under their jurisdiction, SCE shall consult with a qualified restoration ecologist or horticulturist regarding the feasibility and likely success of salvage efforts for each species. If salvage is feasible, based on prior success with similar species, SCE shall include salvage methods in the HRP. For special-status plants, the goal shall be to preserve existing populations or establish new populations. The HRP will include at minimum: (a) species and locations of plants identified for salvage; (b) criteria for determining whether a species is appropriate for salvage; (c) the appropriate season for salvage; (d) equipment and methods for collection, transport, and re-planting plants or propagules, to retain intact soil conditions and maximize success; (e) details regarding storage of plants or propagules for each species; (f) location of the proposed recipient site, and detailed site preparation and plant introduction techniques, as applicable; (g) a description of the irrigation, and other maintenance activities, as applicable; (h) success criteria, including specific timeframe for survivorship of each species; and (i) a detailed monitoring program, commensurate with	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
the HRP goals. Invasive plant control for special-status plants will be addressed in the Invasive Plant Management Plant (IPMP, APM BIO-RES-2). 4. Off-site compensation. Where restoration is not feasible, SCE shall provide compensation lands consisting of habitat occupied by the impacted CRPR 1 or 2 ranked plant occurrences at a 1:1 ratio of acreage for any occupied habitat affected by the Proposed Project. Occupied habitat will be calculated on the Proposed Project site and on the compensation lands as including each special-status plant occurrence. If compensation is selected as a means of mitigating special-status plant impacts, it may be accomplished by purchasing credit in an established mitigation bank, acquiring conservation easements, or direct purchase and preservation of compensation lands. Compensation for these impacts may be "nested" or "layered" with compensation for habitat loss. ***Agency Coordination.*** Annual construction monitoring reports shall be submitted to the CPUC and BLM. Reports shall include, but not be limited to, number of plants impacted, details of plants or propagules salvaged, stored, and transplanted (salvage and transplanting locations, species, number, size, condition, etc.); adaptive management efforts implemented (date, location, type of treatment, results, etc.); and evaluation of success of transplantation. After construction, salvage status will be described in the HRP annual report. In the event of an unexpected discovery of a new species or previously undocumented occurrence, the same steps will be used as discussed above. In addition, when there is an unexpected discovery of a new species, the CPUC and CDFW and/or BLM will be notified.			
APM BIO-BOT-2: Special-status Perennial Plants and Other Species. SCE shall avoid, minimize or mitigate impacts to western Joshua tree (*Yucca brevifolia var. brevifolia*). Pre-construction survey. Pre-construction surveys will be conducted by a qualified specialist to identify any western Joshua trees in the Proposed Project area. Where western Joshua trees are known to occur, all work shall occur outside an appropriate buffer to avoid individual western Joshua trees, seeds, and seedbank as agreed to by CDFW. If impacts that would result in take cannot be avoided, SCE will obtain a Section 2081(b) ITP from CDFW if the species is CESA listed or a candidate for listing, and will implement additional measures pursuant to the ITP. Buffer reductions may occur with the implementation of appropriate ITP measures. A qualified botanist/arborist monitor, with the authority to halt work, shall be present whenever work occurs within reduced buffers for Joshua tree as required by CDFW. **Compensatory Restoration.** If an ITP for western Joshua tree is obtained, then compensation for impacts to western Joshua tree will be addressed through the permit conditions.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction
APM WET-1: Avoid and/or Minimize Impacts to Jurisdictional Waters, Wetlands, and Riparian Habitats. (Refer to Hydrology and Water Quality below for text of measure)			
Mitigation Measure 3.4-1a: Invasive Plant Management Plan. In addition to the requirements of APM BIO-RES-2, the Invasive Plant Management Plan's chemical control section must indicate where herbicides will be used and which herbicides will be used. The section also must specify techniques to be used to avoid drift or residual toxicity to native vegetation or special-status plants, consistent with BLM's *Vegetation Treatments Using Aminopyralid, Fluoroxypyr, and Rimsulfuron on Bureau of Land Management Lands in 17 Western States* (BLM 2016b), BLM's *Approval of Seven Herbicide Active Ingredients for Use on Public Lands to Treat Invasive Plants* (BLM 2024), and the National Invasive Species Council's *Management Plan 2016–2018* (NISC 2016), or most recent guidance from BLM and/or the National Invasive Species Council regarding herbicide use.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
Mitigation Measure 3.4-1b: Special-Status Herbaceous Plants Compensatory Mitigation and Restoration. The types of compensation specified in APM BIO-BOT-1—purchase of credit in an established mitigation bank, acquisition of conservation easements, or direct purchase and preservation of compensation lands—may be used to mitigate impacts on special-status plants. However, if on-site restoration is infeasible or unsuccessful, compensation will be required to offset impacts on special-status plants (ranked CRPR 1 or 2). Such compensation will include purchasing credits or acquiring, preserving, and protecting existing populations at a minimum 3:1 ratio, or as otherwise specified by resource agencies, to reduce the potential significant impact on habitat to a less-than-significant level. SCE must coordinate with CDFW (or BLM, depending upon land ownership) and request that the agency review and accept the proposed compensatory mitigation involving off-site conservation. **Requirement for Mitigation.** Unless otherwise specified by BLM, CDFW, or other applicable resource agencies, rare-plant restoration or compensatory mitigation shall be provided for any impact on special-status plants under the agencies' jurisdiction, not just impacts in excess of 10 percent of an occurrence or population. **Performance Criteria.** The following quantitative restoration success criteria apply to special-status plant restoration areas and temporarily affected sensitive vegetation areas that are restored under the habitat restoration plan described in APM BIO-RES-1. 1. Vegetation Establishment: • At least 70 percent of the total vegetative cover shall consist of native species appropriate to the habitat type, or similar to baseline conditions. • Invasive species shall not exceed 5 percent cover in any monitoring year. • Supplemental water shall be provided as necessary, depending upon target species' needs. • Minimum 80 percent survival of planted container stock shall be required after the first year, with replanting/reseeding as needed to maintain at least 70 percent survival after 5 years. 2. Monitoring and Adaptive Management: • Minimum of 5 years of post-restoration monitoring shall occur, to ensure that performance standards are tracked and met for a minimum 3-year period, or until pre-Project conditions are restored to equivalent or better condition. • Adaptive management: Implement corrective actions if success criteria are not met within the expected time frame. 3. Compliance and Reporting: • Annual reporting: Submit annual monitoring reports to CPUC and CDFW for review. • A final report shall be prepared, reviewed, and approved by CPUC and/or CDFW that demonstrates all success criteria have been met.	SCE and its contractors to implement measure as defined	SCE to provide evidence of compensatory mitigation and agency acceptance of the compensatory mitigation (as applicable) to CPUC. SCE to provide annual monitoring reports and final report to CPUC. CPUC to review documentation and confirm compliance	Prior to and during construction
Mitigation Measure 3.4-1c: Western Joshua Tree. The Western Johsua Tree Conservation Act authorizes CDFW to issue permits for the incidental take of one or more western Joshua trees. If all Joshua trees within and outside of the Project site can be avoided with a minimum 50-foot (15-meter) buffer, then no further action is required. If actions are proposed within this buffer, SCE shall confer with and submit a western Joshua tree CDFW-protocol census survey report to CDFW in accordance with the requirements of the Western Joshua Tree Conservation Act (CDFW 2025b). Although a western Joshua tree census survey (Artemis Environmental Services 2024c) was conducted in 2024, CDFW may require	SCE and its contractors to implement measure as defined	SCE to provide evidence of ITP to CPUC (if obtained) for impacts to western Joshua trees that cannot be avoided. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	SCE to provide ITP prior to construction and implement its conditions during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
that the census survey be repeated and/or that the census study and report be supplemented to include all the requisite information described below. The census shall include every western Joshua tree on the Project site and within a 50-foot buffer. The following information shall be provided in the census report: • Project name and permittee name. • Project address/assessor's parcel number or location description. • Datum of the coordinates. • Project site boundary corners (latitude and longitude). • Name, business, title, and contact information for the person(s) preparing the census. • Date(s) on which the census was performed. • Any other site condition notes. The following information shall be provided for each tree in the census report: • Unique identifier corresponding to the census map. • Global Positioning System (GPS) location for each tree (latitude and longitude). • Size class for each western Joshua tree, categorized as follows: *Class A*, less than 1 meter in height; *Class B*, 1 meter or greater but less than 5 meters in height; and *Class C,* 5 meters or greater in height. • Actual height of each tree to the nearest one-tenth of a meter (optional). • Indication of whether each tree is live or dead. • Indication of whether each tree is mature (a branched tree is considered mature). • Indication of whether each tree is currently producing flowers, fruits, or none. • Indication of how each tree would be affected by the Project (i.e., removal, trim, relocation, other, or none). • Indication of whether Project activities would take place within 15 meters of the base of the tree. • Proposed relocation site for each tree (if applicable). Before any work within 50 feet (15 meters) of a Joshua tree, SCE shall coordinate with CDFW to determine whether a Section 2081(b) incidental take permit is required for direct or indirect impacts on individual trees. SCE shall comply with the mitigation requirements specified by the ITP, including payment of standard mitigation fees and/or other mitigation actions (e.g., relocation of western Joshua trees).			
Mitigation Measure 3.4-2a: Crotch's Bumble Bee. A habitat assessment shall be completed by a qualified biologist with demonstrated knowledge of the requirements of Crotch's bumble bee. If no suitable habitat for this species is identified within 300 feet of proposed construction activity areas, no further measures are required. If a qualified biologist has evaluated the property and found suitable foraging or nesting habitat for Crotch's bumble bee within 300 feet of proposed construction activity areas, SCE shall retain a qualified entomologist to conduct surveys to determine presence or absence in accordance with the most current protocols established by CDFW (currently, the *Survey Considerations for California Endangered Species Act Candidate Bumble Bee Species*). If Crotch's bumble bee or nests are detected, SCE shall consult with CDFW to develop adequate take avoidance measures, which may include protections for underground overwintering queens. If impacts on this species cannot be avoided, SCE shall obtain the appropriate take authorization from CDFW (pursuant	SCE and its contractors to implement measure as defined	SCE to provide evidence of consultation with CDFW and associated ITP as applicable. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
to Fish and Game Code Section 2080 et seq.). Early consultation is required, as modification to the Project and mitigation measures may be required to obtain an incidental take permit.			
Mitigation Measure 3.4-2b: Raven Management to Protect Desert Tortoise. SCE shall develop and implement a raven management plan (RMP) for the Project, subject to review and approval by the CPUC and relevant wildlife agencies, to be deployed during the Project's construction and operation and maintenance phases. The purpose of the RMP is to reduce avian predation on juvenile desert tortoises by employing deterrent strategies that specifically target ravens known to prey on tortoises. The plan will not be designed to broadly eliminate or control raven populations. The RMP shall follow an adaptive management approach to reduce trash, debris, micro-trash, and organic waste that may attract ravens during construction; and shall remain in place after Project completion. The RMP will be evaluated after 3 years of implementation, or sooner if evidence of avian predation emerges. Key components of the RMP may include (1) monitoring power lines to discourage raven nesting; (2) funding targeted raven control efforts in cooperation with the U.S. Department of Agriculture; and (3) if an issue is identified, using alternative raven control strategies developed in coordination with USFWS and/or CDFW (e.g., egg-addling, nesting habitat removal). The RMP shall include specific measures to limit raven subsidies during Project construction and during post-construction operation. Such measures will include a trash collection and management system that ensures the proper disposal of food and other trash in self-closing, sealable trash containers, and the regular inspection and removal of trash receptacles to avoid attracting tortoise predators; removal of road-killed animals or other carcasses within the Project area during construction activities; raven nest management, removal, and the use of nesting deterrents during and after construction; and post-construction raven nest surveys on SCE facilities, nest monitoring, and removal for a period of 3 years after Project completion.	SCE and its contractors to implement measure as defined	SCE to provide draft and final raven management plans to CPUC prior to construction. CPUC to review raven management plan; SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction
Mitigation Measure 3.4-2c: Nesting Bird Management Plan. In addition to the requirements of APM BIO-AVI-2, the nesting bird management plan shall be prepared by a qualified biologist and submitted for CPUC review at least 30 days before the start of construction activities. In addition to the commitments described in APM BIO-AVI-2, the plan shall include the following provisions: • If a nest is suspected but not confirmed, the qualified biologist shall establish a no-disturbance buffer until additional surveys can be completed or until the location can be inferred based on observations. If a nest is observed but thought to be inactive, the qualified biologist shall monitor the nest for 1 hour (4 hours for raptors during the non-breeding season) before approaching the nest to determine status. The qualified biologist shall use their best professional judgment regarding the monitoring period and whether approaching the nest is appropriate. • Appropriate buffer distances, as stipulated in the nesting bird management plan, are generally 300 feet for passerine species and 500 feet for listed special-status birds and raptors; however, these recommended buffer distances may be increased or reduced at the discretion of the qualified biologist depending on site-specific factors such as the location of the nest and the species' tolerance to human presence. If construction temporarily ceases for a period greater than 7 days and activities resume during the avian nesting season, the Project site and buffer areas shall be resurveyed.	SCE and its contractors to implement measure as defined	SCE to provide nesting bird management plan to CPUC prior to construction. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction, during all ground disturbing and vegetation removal activities
Mitigation Measure 3.4-2d: Burrowing Owl. SCE shall consult with CDFW to obtain the appropriate take authorization pursuant to Fish and Game Code Section 2081 et seq. before the start of construction activities. Avoidance and minimization measures established under an incidental take permit issued by CDFW may include the following:	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction, during all ground disturbing and vegetation removal activities

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<tr><th>Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR</th><th>Implementing Actions</th><th>Monitoring/ Reporting Requirements</th><th>Timing</th></tr>
<tr><td>
• Avoiding construction within buffer areas around active nest sites during the nesting period (February 1–August 31).
• Establishing buffers around nesting sites in accordance with the recommended buffer distances included in the Staff Report on Burrowing Owl Mitigation (CDFG 2012), as shown below:

Burrowing Owl Nesting Sites Recommended Buffers
<table>
<tr><th rowspan="2">Time of Year</th><th colspan="3">Level of Disturbance</th></tr>
<tr><th>Low</th><th>Medium</th><th>High</th></tr>
<tr><td>April 1–August 15</td><td>200 meters</td><td>500 meters</td><td>500 meters</td></tr>
<tr><td>August 16–October 15</td><td>200 meters</td><td>200 meters</td><td>500 meters</td></tr>
<tr><td>October 16–March 31</td><td>50 meters</td><td>100 meters</td><td>500 meters</td></tr>
</table>
• Periodic monitoring to determine whether burrowing owls have colonized or recolonized the site during construction.
• If allowed by CDFW, to avoid impacts where burrowing owls are detected in or immediately adjacent to construction areas, a burrow exclusion plan may be prepared and implemented by qualified biologists. The burrow exclusion plan shall meet the requirements specified in Appendix E of the Staff Report on Burrowing Owl Mitigation (CDFG 2012) and shall be approved by CDFW before implementation.
Conservation of mitigation lands shall offset impacts on burrowing owl, including permanent loss or displacement of habitat and temporary impacts during construction. The conservation of mitigation lands shall be determined through consultation with and approval by CDFW depending on the ownership of the occupied land, which shall be established before the start of construction activities. At minimum, temporary impacts shall be offset at a 1:1 ratio by restoring affected habitat and/or placing equivalent habitat in permanent conservation. Permanent habitat impacts shall be compensated at a minimum 2:1 ratio, or as otherwise required by CDFW. With CDFW concurrence, compensatory mitigation provided for desert tortoise that involves habitat conservation, including restoration or enhancement of degraded land placed under conservation, may concurrently be used as mitigation for impacts on burrowing owl because both species may benefit.
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Mitigation Measure 3.4-2e: Mohave Ground Squirrel Protection. Within all areas identified as potential Mohave ground squirrel (MGS) habitat (see the Cal City Substation 115 kV Upgrade Project Biological Resources Technical Report, Appendix G), SCE shall presume the presence of MGS and implement the protection measures outlined in APM BIO-MAM-1, Mohave Ground Squirrel. SCE shall obtain MGS take authorization through a CDFW incidental take permit, which will encompass these and additional mitigation requirements. In accordance with the permit, the following avoidance and minimization measures shall also be implemented:
• Avoidance of High-Quality Habitat. High-quality MGS habitat and areas with known species presence shall be avoided and direct impacts minimized to the greatest extent feasible. These areas shall be clearly marked for avoidance using high-visibility flagging, construction fencing, or similar methods, and maintained throughout the duration of nearby construction activities.
• Revegetation of Temporarily Disturbed Habitat: To mitigate temporary impacts on MGS habitat, SCE shall revegetate disturbed areas in accordance with Mitigation Measure 3.4-4, Sensitive Natural Communities. Restoration efforts shall comply with the restoration requirements, performance
</td><td>SCE and its contractors to implement measure as defined</td><td>SCE to provide ITP and related agency correspondence (i.e., permit approval and amendments, as applicable) to CPUC. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.</td><td>Prior to and during construction, during all ground disturbing and vegetation removal activities</td></tr>
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Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
standards, and maintenance and monitoring protocols outlined in Mitigation Measure 3.4-1d and the Sensitive Natural Community Mitigation and Monitoring Plan referenced in Mitigation Measure 3.4-4. • *Compensation for Permanent Habitat Loss:* For permanent losses of MGS habitat, compensatory mitigation shall be provided at a minimum 1:1 impact-to-mitigation ratio (based on acreage) for affected habitat, or as otherwise directed by CDFW or other applicable resource agencies. Where impacts occur within Areas of Critical Environmental Concern designated under the BLM Desert Renewable Energy Conservation Plan Land Use Plan Amendment, and where such impacts exceed applicable ground disturbance caps, a higher mitigation ratio shall be applied. Compensatory mitigation shall be implemented in accordance with the Desert Renewable Energy Conservation Plan Land Use Plan Amendment (as applicable) and the terms of the CDFW incidental take permit. Acceptable compensatory mitigation may include but is not limited to: – Purchase of credits from an approved mitigation bank or in-lieu fee program; – On-site and/or off-site land acquisition and permanent preservation; and/or – On-site and/or off-site restoration and/or enhancement of MGS habitat.			
Mitigation Measure 3.4-2f: American Badger Protection. To ensure that the American badger is adequately protected during Project construction, all survey methods and protective measures established for the desert kit fox under APM BIO-MAM-2 shall also be applied to the American badger. Among other requirements, these include the use of buffers around active dens, relocation procedures, and the requirement to coordinate with CDFW before any relocation of the species.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Within 14 days prior to construction of the Project
Mitigation Measure 3.4-3: APMs and Protection Measures Applicable during Operation and Maintenance Activities. For all operation and maintenance activities within potential habitat for special-status wildlife species, the following APMs shall be applied: • APM ENV-GEN-1 WEAP, *Worker's Environmental Awareness Training Program*. • APM BIO-AVI-2, *Nesting Bird Management Plan*. For general operation and maintenance activities that do not require ground disturbance, the above APMs shall be supplemented by the following mitigation measures: • Mitigation Measure 3.4-1a, *Biological Clearance Surveys, Monitoring, and Avoidance*. • Mitigation 3.4-1b, *Construction Worker Environmental Awareness Training Program (WEAP).* • Mitigation Measure 3.4-1c, *Invasive Plant Management Plan*. If ground disturbance is required in areas that provide habitat for special-status wildlife species, the following APMs and mitigation measures shall also be applied: • APM BIO-GEN-1, *Pre-construction Biological Clearance Surveys and Monitoring.* • APM BIO-HERP-1, *Desert Tortoise.* • APM BIO-MAM-1, *Mohave Ground Squirrel.* • APM BIO-MAM-2, *Desert Kit Fox Preconstruction Surveys.* • APM BIO-RES-1, *Develop and Implement Habitat Restoration Plan (HRP).* • Mitigation Measure 3.4-2a, *Crotch's Bumble Bee*. • Mitigation Measure 3.4-2b, *Raven Management to Protect Desert Tortoise*. • Mitigation Measure 3.4-2d, *Burrowing Owl*.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction, during all ground disturbing and vegetation removal activities

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
• Mitigation Measure 3.4-2e, *Mohave Ground Squirrel Protection*. • Mitigation Measure 3.4-2f, *American Badger Protection*.			
Mitigation Measure 3.4-4: Sensitive Natural Communities. Sensitive natural communities shall be avoided and direct impacts minimized whenever possible. Areas identified for avoidance shall be demarcated (e.g., using brightly colored flagging or similar) and avoided during construction of the Project. The marked boundaries shall be maintained for the duration of construction activities in each work area and shall be clearly visible to personnel on foot and by heavy equipment operators. If sensitive natural communities can be avoided, no further mitigation is necessary. If permanent impacts on sensitive natural communities cannot be avoided, impacts shall be mitigated by providing comparable habitat at a 1:1 impact-to-mitigation ratio based on acreage for any habitat affected by the Project, or as otherwise directed by resource agencies. This may include but is not limited to the following measures: • The purchase of credits from a mitigation bank or in-lieu fee program. • On- and/or off-site land acquisition and preservation. • On- and/or off-site creation, restoration, and/or enhancement of sensitive natural communities. If compensatory mitigation is to occur on- or off-site (i.e., not a mitigation bank or in-lieu fee program), a Sensitive Natural Community Mitigation and Monitoring Plan shall be prepared by a qualified biologist/restoration ecologist. The plan shall include details related to implementation requirements (e.g., seeding, planting, and/or staking of sensitive natural community species; salvage/dispersal of duff and seed bank; and/or removal of invasive, non-native species), performance standards as identified in Mitigation Measure 3.4-1d, maintenance requirements, and future monitoring requirements.	SCE and its contractors to implement measure as defined	SCE to provide draft and final Sensitive Natural Community Mitigation and Monitoring Plan to CPUC prior to construction (if impacts cannot be avoided). SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction
Cultural Resources			
APM CUL-1: Develop a Cultural Resource Management Plan (CRMP). SCE shall prepare and submit for approval a Cultural Resource Management Plan (CRMP) to guide all cultural resource management activities during Proposed Project construction. Management of cultural resources shall follow all applicable federal and state standards and guidelines for the management of historic properties/historical resources. The CRMP shall be submitted to CPUC and BLM for review and approval at least 90 days prior to the start of construction. The CRMP shall be prepared by a qualified archaeologist who meets the Secretary of Interior's standards for archaeology and include, but not be limited to, the following sections: • *Cultural Resource Managemen*t Plan: The CRMP shall define and map all known NRHP- and CRHR-eligible properties in or within 100 feet (30.5 meters) of the Proposed Project APE/API. A cultural resources protection plan shall be included that details how NRHP- and CRHR-eligible properties will be avoided and protected during construction. Measures shall include, at a minimum, designation and marking of Environmentally Sensitive Areas (ESAs), archaeological monitoring, personnel training, and reporting. The plan shall also detail which avoidance measures will be used, where and when they will be implemented, and how avoidance measures and enforcement of ESAs will be coordinated with construction personnel. • *Cultural Resource Monitoring and Field Reporting*: The CRMP shall detail procedures for archaeological monitoring and Tribal participation, define the reporting matrix, and establish criteria for when the monitoring effort should increase or decrease if monitoring results indicate that a change is warranted. The CRMP shall also include guidelines for monitoring in areas of high sensitivity for the	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
discovery of buried NRHP- and/or CRHR-eligible cultural resources, burials, cremations, tribal cultural resources, or sacred sites. • *Unanticipated Discovery Protocol*: The CRMP shall detail procedures for temporarily halting construction, defining work stoppage zones, notifying stakeholders (e.g., agencies, Native Americans, utilities), and assessing NRHP and/or CRHR eligibility in the event unanticipated discoveries are encountered during construction. It shall include methods, timelines for assessing NRHP and/or CRHR eligibility, formulating mitigation plans, and implementing treatment. Mitigation and treatment plans for unanticipated discoveries shall be reviewed by tribal stakeholders and approved by CPUC prior to implementation. Data Analysis and Reporting: The CRMP shall detail methods for data analysis in a regional context, reporting of results within one year of completion of field studies, curation of artifacts and data (maps, field notes, archival materials, recordings, reports, photographs, and analysts' data) at a facility that is approved by CPUC and dissemination of reports to appropriate repositories.			
APM CUL-2: Avoid Environmentally Sensitive Areas (ESA). SCE shall perform cultural resource surveys for any portion of the Proposed Project APE not yet surveyed (e.g., new or modified staging areas, pull sites, or other work areas). Cultural resources discovered during surveys will be subject to APM CUL-1 (Develop CRMP). Where operationally feasible, all NRHP- and CRHR-eligible resources shall be protected from direct project impacts by project redesign (i.e., relocation of the line, ancillary facilities, or temporary facilities or work areas). In addition, all historic properties/historical resources shall be avoided by all project construction, operation and maintenance, and restoration activities, where feasible. Avoidance measures shall include, but not be limited to, fencing off ESAs for the duration of the Proposed Project or as outlined in the CRMP.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction
APM CUL-3: Train Construction Personnel. Prior to initiating construction, all construction personnel shall be trained by a qualified archaeologist regarding the recognition of possible buried cultural resources (i.e., prehistoric and/or historical artifacts, objects, or features) and paleontological resources (i.e., fossils), and protection of these resources during construction. Training shall also inform all construction personnel of the procedures to be followed upon the discovery of cultural materials. All personnel shall be instructed that unauthorized removal or collection of artifacts is a violation of federal and state laws. Any excavation contract (or contracts for other activities that may have subsurface soil impacts) shall include clauses that require construction personnel to attend a Worker's Environmental Awareness Training Program (WEAP). The WEAP will include the Proposed Project's potential for the post-discovery review of archaeological deposits, how to operate adjacent to and avoid all ESAs, and procedures to treat post-discovery reviews.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction
APM CUL-4: Conduct Construction Monitoring. Archaeological monitoring shall occur as outlined in the CRMP. Archaeological monitoring shall be conducted by a qualified archaeologist familiar with the types of historic and prehistoric resources that could occur within the Proposed Project areas. The qualifications of the principal archaeologist and monitors shall be approved by the CPUC and BLM. Monitoring reports shall be submitted to the CPUC on a monthly basis. A Tribal Participant may be required at culturally sensitive locations in consultation with the CPUC and/or as outlined in the CRMP.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction
APM CUL-5: Properly Treat Human Remains. SCE shall follow all federal and state laws, statutes, and regulations that govern the treatment of human remains. All work in the vicinity of a find will cease within a 200-foot radius of the remains, the area will be protected to ensure that no additional disturbance occurs. Should inadvertent discovery of human remains be made on federal lands, the federal agency and County Coroner (California Health and Safety Code 7050.5(b)) shall be notified immediately. If the remains are determined to be Native American or if Native American cultural items pursuant to the Native American Graves Protection and Repatriation Act (NAGPRA) are uncovered, the remains shall be treated in	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During all project activities

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
accordance with the provisions of NAGPRA (43 CFR 10) and the Archaeological Resources Protection Act (43 CFR 7). If the remains are not on federal land, the County Coroner and CPUC shall be notified immediately and the remains shall be treated in accordance with Health and Safety Code section 7050.5, CEQA Guidelines section 15064.5(e), and Public Resources Code section 5097.98. SCE shall assist and support the BLM and DoD as appropriate in all required NAGPRA and Section 106 actions, government to-government consultations with Native Americans, agencies, and consulting parties as requested by the BLM, DoD, or CDFW. SCE shall comply with and implement all required actions and studies that result from such consultations.			
Geology, Soils, and Paleontological Resources			
APM PAL-1: Develop Paleontological Resource Mitigation and Monitoring Plan. SCE shall prepare a Paleontological Resources Mitigation and Monitoring Plan (PRMMP) to guide all paleontological management activities during project construction. The PRMMP shall be submitted to the CPUC and BLM for review and approval at least 90 days prior to the start of construction. The PRMMP shall be prepared by a qualified paleontologist, based on SVP (2010) guidelines, and meet all regulatory requirements. The qualified paleontologist shall have a Master's Degree or Ph.D. in paleontology, have local paleontology knowledge, and shall be familiar with paleontological procedures and techniques. The PRMMP will include, but not be limited to, the following sections: • *Paleontological Resource Monitoring and Reporting*: Detail monitoring procedures and methodologies, which shall require a qualified paleontological monitor for all construction-related ground disturbance that reach approximate depths for significant paleontological resources in sediments with a high paleontological sensitivity (i.e., Quaternary older alluvium and Tropico Group [lower], granitic fanglomerate and sandstone). Sediments with no (i.e., Saddleback Basalt and quartz monzonite) will not require monitoring. Paleontological monitors shall meet standard qualifications per the SVP (2010). • *Unanticipated Discovery Protocol*: Detail procedures for temporarily halting construction, defining work stoppage zones, notifying stakeholders, and assessing the paleontological find for scientific significance. If indicators of potential microvertebrate fossils are found, screening of a test sample shall be carried out as outlined in SVP (2010). • *Data Analysis and Reporting*: Detail methods for data recovery, analysis in a regional context, reporting of results within one year of completion of field studies, curation of all fossil specimens in an accredited museum repository approved by the CPUC and BLM and dissemination of reports to appropriate repositories.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prepare PRMMP prior to and implement PRMMP during construction
APM PAL-2: Train Construction Personnel. Prior to the initiation of construction, all construction personnel shall be trained, regarding the recognition of possible buried paleontological resources (i.e., fossils) and protection of all paleontological resources during construction. Training shall inform all construction personnel of the procedures to be followed upon the discovery of paleontological materials. All personnel shall be instructed that unauthorized removal or collection of fossils is a violation of Federal and state laws. Any excavation contract (or contracts for other activities that may have subsurface soil impacts) shall include clauses that require construction personnel to attend a Worker's Environmental Awareness Training Program (WEAP). The WEAP will include the project's potential for inadvertently exposing buried paleontological resources, how to operate adjacent to and avoid any potential Environmentally Sensitive Area, and procedures to treat unanticipated discoveries.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
APM PAL-3: Conduct Paleontology Resources Construction Monitoring. Paleontological monitoring shall be conducted by a qualified paleontologist familiar with the types of resources that could occur within the project area. Monitoring reports shall be submitted to the CPUC and BLM on a monthly basis.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction
BMP EC-1: Scheduling. The construction team shall reduce the discharge of pollutants to storm drain facilities caused by construction activities by scheduling activities in a manner that will limit exposure of disturbed soils to wind, rain, non-storm water run-off, and storm water run-on and run-off.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP EC-2: Preservation of Existing Vegetation. The construction team will protect and preserve existing vegetation in work areas as long as practicable before disturbing them. The construction team shall also preserve and protect existing vegetation adjacent to work areas. This protection and preservation of such vegetation will serve to control erosion and filter out sediment.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP EC-3: Hydraulic Mulch. The construction team will implement this BMP, if necessary, to disturbed soil areas requiring temporary protection until permanent stabilization is established, and disturbed areas that will be re-disturbed following an extended period of inactivity.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP EC-4: Hydroseeding. The construction team will implement this BMP, if necessary, to disturbed soil areas requiring temporary protection until permanent stabilization is established, and disturbed areas that will be re-disturbed following an extended period of inactivity.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP EC-5: Soil Binders. The construction team will implement this BMP, if necessary, to disturbed soil areas requiring short term temporary protection. Because soil binders can often be incorporated into the work, they are a good alternative to mulches in areas where grading activities will soon resume. Soil binders are also suitable for use on stockpiles. Non-toxic soil binders, equivalent or better in efficiencies than the California Air Resources Board (CARB)-approved soil binders, shall be applied per the manufacturer recommendations to active unpaved roadways, unpaved staging areas, and unpaved parking area(s) throughout construction to reduce fugitive dust emissions. Soil binders will be non-toxic and MSDS will be present at site.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP EC-6: Straw Mulch. The construction team will implement this BMP, if necessary, to disturbed soil areas requiring temporary protection until permanent stabilization is established, and disturbed areas that will be re-disturbed following an extended period of inactivity. Straw mulch will be certified weed free.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP EC-7: Geotextiles and Mats. The construction team will implement one or more of these measures to stabilize disturbed soil areas (stockpiles, slopes, embankments, conveyances, etc.) and protect these soils from erosion by rain, wind or storm water run-on and run-off where applicable to reduce soil erosion from wind and rain. Plastic micro-filament matting will not be used, only natural fiber mats to prevent trapping of birds and reptiles.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP EC-8: Wood Mulch. The construction team will implement this BMP, if necessary, to disturbed soil areas requiring temporary protection until permanent stabilization is established, and disturbed areas that will be re-disturbed following an extended period of inactivity. Wood mulch shall be untreated.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
BMP EC-15: Soil Preparation and Roughening. The construction team will implement this BMP to assess and prepare surface soils for other BMP installation. This can include soil testing (for seed base, soil characteristics, or nutrients), as well as roughening surface soils by mechanical methods (including sheepsfoot rolling, track walking, scarifying, stair stepping, and imprinting) to prepare soil for additional BMPs, or to break up sheet flow. Soil preparation can also involve tilling topsoil to prepare a seed bed and/or incorporation of soil amendments, to enhance vegetative establishment.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP EC-16, Non-Vegetative Stabilization. The construction team will utilize non-vegetative stabilization methods for temporary or permanent stabilization of areas prone to erosion; this would be used only where vegetative options are not feasible.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
Runoff Controls The following BMPs may be implemented to manage stormwater runoff and control sediment. **BMP SE-4: Check Dam.** The construction team will implement this BMP to reduce scour and channel erosion by reducing flow velocity and increasing residence time within the channel, allowing sediment to settle.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP SE-5: Fiber Rolls. The construction team will implement this BMP to eliminate the erosion of slopes. The rolls are widely used to prevent sediment from running off site.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP SE-6: Gravel Bag Berm. The construction team will implement this BMP to eliminate erosion of slopes. This BMP is particularly useful with steep slopes and a high potential for runoff.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP SE-7: Street Sweeping and Vacuuming. The construction team will implement this BMP when soils and miscellaneous debris are tracked from the construction site to areas outside the site. This measure prevents sediments from reaching the drop inlets and stormwater system and prevents unsafe driving conditions.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP SE-10: Storm Drain Inlet Protection. The construction team will implement this BMP if any runoff from the construction site drains directly into a drop inlet. The protection will prevent debris and soils from clogging drop inlets and storm drain systems.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP TC-1: Stabilized Construction. The construction team will implement this BMP to remove all construction site soil and miscellaneous debris prior to leaving the site. The BMP will depend on the soil, site, and type of surface outside the staging area.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
BMP TC-2: Stabilized Construction Roadway. A stabilized construction roadway is a temporary access road. It is designed for the control of dust and erosion created by vehicular tracking.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
BMP WM-3: Stockpile Management. The construction team will implement this BMP whenever there are stockpiles of asphalt, concrete, wood, or soil. This includes temporary stockpiles and stockpiles existing for periods longer than one working day.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
Mitigation Measure 3.10-1a: Erosion Control Plan. SCE shall develop and submit to CPUC for review and approval a Project-specific Erosion Control Plan at least 60 days prior to the start of construction. The Erosion Control Plan may be part of the Storm Water Pollution Prevention Plan (SWPPP) and WDR permit and shall be kept on-site and be readily available upon request. The Erosion Control Plan shall be in effect for Project sites as determined by the SWPPP and WDR or permit conditions, as applicable, at the discretion of the Regional Water Quality Control Board. Soil disturbance at structure sites and access roads shall be minimized and designed such that long-term soil erosion is prevented. The Erosion Control Plan shall include, but not be limited to, the following: • Specific locations for all soil disturbing construction activities including but not limited to new and improved access roads, staging areas, work sites, etc. • Specific locations of all watercourses, ephemeral and perennial drainages (as applicable) that would be directly affected by soil disturbing activities (such as water crossings, and public storm drains by rights-of-way and access roads). • Identify specific BMPs to protect drainage structures such as public storm drains downstream of soil disturbing activities. • Temporary and permanent design features to minimize erosion during construction and (if permanent) during operation of the Project. • Specific location and type of BMPs proposed to be installed to prevent off-site sedimentation and to protect aquatic resources/drainages. • Specifications for the implementation and maintenance of erosion control measures and site specific BMPs, including design, installation, maintenance, and effectiveness monitoring details. • Proposed schedule including intervals for inspection of erosion control/SWPPP measures and schedule for corrective actions/repairs, as necessary. Erosion control/SWPPP inspection reports shall be provided to the CPUC environmental monitor. Inspection and monitoring for erosion control/SWPPP measures shall be performed in compliance with the applicable federal (as required by BLM and/or DoD) and/or the California Construction General Permit and/or WDR conditions, as applicable. The minimum inspection schedule shall be as follows as required by the NPDES Construction General Permit: – Erosion control BMPs shall be inspected at least monthly. BMPs not performing as designed shall be replaced or repaired to restore the BMP function. – BMPs shall be inspected within 72 hours of a forecasted Qualifying Precipitation Event, defined as a rain event that produces 0.5 inch or more of precipitation with a period of 48 hours or more between rain events. BMPs not performing as designed shall be replaced or restored to restore the BMP function. – BMPs shall be inspected within 48 hours after a Qualifying Precipitation Event. BMPs not performing as designed shall be replaced or repaired to restore the BMP function. • The discharger shall use non-structural and/or structural measures to replicate the pre-construction water balance (for the General Permit, this is defined as the volume of rainfall that ends up as runoff) for the smallest storms up to and including the 85th percentile, 24-hour precipitation event (or the smallest precipitation event that generates runoff, whichever is larger).	SCE and its contractors to implement measure as defined	SCE to provide draft and final grading plans and erosion control plans to CPUC prior to construction. SCE to provide CPUC with evidence of NPDES discharge permit prior to initiating soil disturbing (construction) activities. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	At least 60 days prior to the start of construction and during all phases of the Project

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
SCE shall provide draft and final grading plans to the CPUC for approval that define the locations of the specific features listed above and in the Erosion Control Plan. SCE shall submit evidence of possession of required permits prior to initiating soil disturbing activities. Permits may include NPDES California General Permit for Storm Water Discharges Associated with Construction Activities (Construction General Permit), Report of Waste Discharge (ROWD), and associated WDR, CDFW Lake and Streambed Alteration Agreement, and potentially others, as applicable to the Project's use of federal and non-federal lands.			
Hazards and Hazardous Materials			
APM HAZ-1: SCE will prepare and implement a HMMP/Hazardous Materials Business Plan during project construction. The program will outline proper hazardous materials handling, use, storage, and disposal requirements, as well as hazardous waste management procedures. This plan will be developed to ensure that all hazardous materials and wastes will be handled and disposed of according to applicable rules and regulations. The HMMP will address: the types of hazardous materials to be used during the Project, hazardous materials storage, employee training requirements, hazard recognition, fire safety, first aid/emergency medical procedures, hazardous materials release containment/control procedures, hazard communication training, personal protective equipment (PPE) training, and release reporting requirements. It will also include fueling and maintenance procedures for helicopters and construction equipment.	SCE and its contractors to implement measure as defined	CPUC to review and verify compliance. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Develop HMMP prior to and implement HMMP during construction
APM HAZ-2: A Soil Management Plan will be developed and implemented for the Proposed Project. The Soil Management Plan will provide guidance for the proper handling, on-site management, and disposal of impacted soil that may be encountered during construction activities.	SCE and its contractors to implement measure as defined	CPUC to review and verify compliance. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction activities
APM HAZ-3: Prior to construction, SCE shall consult with the FAA regarding helicopter flight plans that will take place during construction. This consultation will would include, but not be limited to: • Providing locations of helicopter construction staging and work areas • Establishing designated flight corridors between staging and work areas • Means to ensure external load operations avoid occupied structures and roadways • Locations of traffic control where external load operations will cross public roadways • Locations where Congested Area Plans may be required for filing with the FAA • Identifying any flight restrictions recommended/required by the FAA The results of this coordination will be provided to the CPUC.	SCE and its contractors to implement measure as defined	CPUC to review and verify compliance. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction
APM HAZ-4: All workers on the project site shall be required to attend a Worker's Environmental Awareness Training Program (WEAP). The training shall inform all construction personnel of the UXO avoidance measures, including general precautions as well as specific procedures to be followed upon the discovery of UXO. The WEAP training will include, at a minimum, the following topics so crews will understand their obligations: • Safety and situational awareness in areas where UXO are likely to be encountered • Identification of UXO • Work stoppage and work area evacuation • Communication protocol	SCE and its contractors to implement measure as defined	SCE prepare and provide to CPUC WEAP training materials and sign in sheets for trained workers. SCE to repeat training for added construction personnel, as needed. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
• Treatment of UXO, including avoiding disturbance of the UXO and flagging the item with a visible marker, if it may be done safely • Consequences of non-compliance			
BMP NS-9: Vehicle and Equipment Fueling. The construction team will implement this BMP when fueling of equipment occurs on site. The equipment should be monitored before and after fueling. This will prevent any fuel from reaching the construction site soils and possible groundwater. Diapers, pans, or tarps will be used under fueling areas. Spill kits will be on-site at fueling locations. Fueling areas will be located at least 100 feet from drainages.	SCE to implement measures as defined.	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During all phases of the project
BMP WM-1: Material Delivery and Storage. The construction team will implement this BMP to prevent, reduce, or eliminate the discharge of pollutants from material delivery and storage to the stormwater system or watercourses by minimizing the storage of hazardous materials on-site, storing materials in watertight containers and/or a completely enclosed designated area, installing secondary containment, conducting regular inspections, and training applicable employees and subcontractors.	SCE to implement measures as defined.	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During all phases of the project
BMP WM-2: Material Use. The construction team will implement this BMP to prevent or reduce the discharge of pollutants to the storm drain system or watercourses from material use by using alternative products, minimizing hazardous material use on-site, and training applicable employees and subcontractors.	SCE to implement measures as defined.	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During all phases of the project
Incidental Leak or Spill The following BMPs would be followed in the event of an incidental leak or spill of hazardous materials: **BMP WM-4: Spill Prevention and Control.** The construction team will implement this BMP to prevent or reduce the discharge of pollutants to drainage systems or watercourses from leaks and spills by reducing the chance for spills, stopping the source of spills, containing and cleaning up spills, properly disposing of spill materials, and training applicable employees.	SCE to implement measures as defined.	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During all phases of the project
BMP WM-6: Hazardous Waste Management. The construction team will implement this BMP to prevent or reduce the discharge of pollutants to stormwater from hazardous waste through proper material use, waste disposal, and training of applicable employees and subcontractors.	SCE to implement measures as defined.	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During all phases of the project
BMP WM-7: Contaminated Soil Management. The construction team will implement this BMP to prevent or reduce the discharge of pollutants to stormwater from contaminated soil and highly acidic or alkaline soils by conducting pre-construction surveys, inspecting excavations regularly, and remediating contaminated soil promptly.	SCE to implement measures as defined.	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During all phases of the project
Mitigation Measure 3.9-6a: EAFB Communication Plan. SCE shall prepare and implement an EAFB Communication Plan in accordance with standards set forth in the R-2508 User Handbook and the R-2515 User Handbook. SCE will coordinate with both the R-2508 Central Coordinating Facility (CCF) and the R-2515 Airspace Management Office prior to the commencement of subtransmission line construction and operational maintenance activities. In areas designated as R-2515 Airspace, SCE shall establish flight schedules and paths in accordance with EAFB Aircraft and Air/Ground Support Scheduling Guide available on the R-2515 public website and with coordination with the R-2515 Airspace Management Office. SCE shall also be required to: • Provide annual briefings to EAFB during the construction of the Project,	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to subtransmission line construction and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
• Identify any flight restrictions recommended/required by EAFB, • Avoid No-Fly zones such as the Air Force Research Lab, the Boron mine property, and the Edwards Main Base.			
Mitigation Measure 3.9-6b: EAFB Obstruction Evaluation. Based on information obtained through preparation of the EAFB Communication Plan and any other follow-up coordination with EAFB, SCE shall prepare an obstruction evaluation for Project structures proposed to be within restricted airspace by EAFB. The evaluation shall be provided to EAFB's R-2508 Central Coordinating Facility (CCF) and/or the R 2515 Airspace Management Office for review and input. EAFB may recommend alterations to Project design, including height reduction, the addition of lighting, or the placement of marker balls/wire spans. SCE shall review the EAFB recommendations for reasonableness and feasibility and in accordance with EAFB requirements and make any necessary design alterations.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction
Hydrology and Water Quality			
APM WET-1: Avoid and/or Minimize Impacts to Jurisdictional Waters, Wetlands, and Riparian Habitats. The Proposed Project shall avoid and/or minimize impacts to all state jurisdictional waters, wetlands, and riparian habitat that occur within the Proposed Project area where feasible. All grading, fill, staging of equipment, infrastructure construction or removal, and all other construction activities shall be designed, sited, and conducted outside of state and federally jurisdictional waters, wetlands, and riparian habitat. The implementation of appropriate Best Management Practices (BMPs) (e.g., silt fencing, straw wattles, secondary containment, avoiding fueling within 100 feet of jurisdictional waters, etc.) shall be utilized to ensure that indirect impacts to jurisdictional waters, wetlands, and riparian areas are avoided or minimized. BMPs are also necessary to reduce the risk of an unintended release of sediment or other material into jurisdictional waters. New and upgraded roadways shall use at-grade type stream crossings unless installation or repair of culverts is required. Stockpiled and bermed sediment will be redistributed or removed from the site so as not to alter flows. New poles shall be sited outside stream channels. If permanent impacts to waters, wetlands, and riparian habitats are unavoidable, they shall be mitigated at a minimum of a 1:1 ratio, or at a ratio determined by the applicable Resource Agencies (i.e., U.S. Army Corps of Engineers, the State Water Resources Control Board/Regional Water Quality Control Boards, and California Department of Fish and Wildlife). Temporary impacts to jurisdictional waters shall be returned to pre-existing contours upon completion of the work.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all phases of construction; temporary impacts to jurisdictional waters to be returned to pre-existing contours upon completion of construction.
BMP EC-1 through BMP EC-8, BMP EC-15, BMP EC-16, BMP SE-4, BMP SE-6, BMP SE-7, BMP SE-10, BMP TC-1, BMP TC-2, BMP TC-3 (as described under Geology, Soils, and Paleontology)	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
Mitigation Measure 3.10-1a: Erosion Control Plan. SCE shall develop and submit to CPUC for review and approval a Project-specific Erosion Control Plan at least 60 days prior to the start of construction. The Erosion Control Plan may be part of the Storm Water Pollution Prevention Plan (SWPPP) and WDR permit and shall be kept on-site and be readily available upon request. The Erosion Control Plan shall be in effect for Project sites as determined by the SWPPP and WDR or permit conditions, as applicable, at the discretion of the Regional Water Quality Control Board. Soil disturbance at structure sites and access roads shall be minimized and designed such that long-term soil erosion is prevented. The Erosion Control Plan shall include, but not be limited to, the following:	SCE and its contractors to implement measure as defined	SCE to provide draft and final grading plans and erosion control plans to CPUC prior to construction. SCE to provide CPUC with evidence of NPDES discharge permit prior to initiating soil disturbing (construction) activities. SCE Mitigation Monitor and CPUC	At least 60 days prior to the start of construction and during all phases of the Project

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
• Specific locations for all soil disturbing construction activities including but not limited to new and improved access roads, staging areas, work sites, etc. • Specific locations of all watercourses, ephemeral and perennial drainages (as applicable) that would be directly affected by soil disturbing activities (such as water crossings, and public storm drains by rights-of-way and access roads). • Identify specific BMPs to protect drainage structures such as public storm drains downstream of soil disturbing activities. • Temporary and permanent design features to minimize erosion during construction and (if permanent) during operation of the Project. • Specific location and type of BMPs proposed to be installed to prevent off-site sedimentation and to protect aquatic resources/drainages. • Specifications for the implementation and maintenance of erosion control measures and site specific BMPs, including design, installation, maintenance, and effectiveness monitoring details. • Proposed schedule including intervals for inspection of erosion control/SWPPP measures and schedule for corrective actions/repairs, as necessary. Erosion control/SWPPP inspection reports shall be provided to the CPUC environmental monitor. Inspection and monitoring for erosion control/SWPPP measures shall be performed in compliance with the applicable federal (as required by BLM and/or DoD) and/or the California Construction General Permit and/or WDR conditions, as applicable. The minimum inspection schedule shall be as follows as required by the NPDES Construction General Permit: – Erosion control BMPs shall be inspected at least monthly. BMPs not performing as designed shall be replaced or repaired to restore the BMP function. – BMPs shall be inspected within 72 hours of a forecasted Qualifying Precipitation Event, defined as a rain event that produces 0.5 inch or more of precipitation with a period of 48 hours or more between rain events. BMPs not performing as designed shall be replaced or restored to restore the BMP function. – BMPs shall be inspected within 48 hours after a Qualifying Precipitation Event. BMPs not performing as designed shall be replaced or repaired to restore the BMP function. • The discharger shall use non-structural and/or structural measures to replicate the pre-construction water balance (for the General Permit, this is defined as the volume of rainfall that ends up as runoff) for the smallest storms up to and including the 85th percentile, 24-hour precipitation event (or the smallest precipitation event that generates runoff, whichever is larger). SCE shall provide draft and final grading plans to the CPUC for approval that define the locations of the specific features listed above and in the Erosion Control Plan. SCE shall submit evidence of possession of required permits prior to initiating soil disturbing activities. Permits may include NPDES California General Permit for Storm Water Discharges Associated with Construction Activities (Construction General Permit), Report of Waste Discharge (ROWD), and associated WDR, CDFW Lake and Streambed Alteration Agreement, and potentially others, as applicable to the Project's use of federal and non-federal lands.		Third-Party Compliance Monitor to inspect and report out on compliance.	

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
Noise			
APM NOI-1: SCE shall employ the following noise-control techniques, at a minimum, to reduce construction noise exposure at noise-sensitive receptors during construction: • Construction activities shall be confined to daytime, weekday and weekend hours established by Kern County, San Bernardino County, and the City of California City. In the event construction is required beyond those hours, SCE will notify the appropriate local agency or agencies regarding the description of the work, location, and anticipated construction hours. • Construction equipment shall use noise reduction features (e.g., mufflers and engine shrouds) that are no less effective than those originally installed by the manufacturer. • Stationary noise sources (e.g., generators, pumps) and staging areas shall be shielded by an enclosure, temporary sound walls, acoustic blankets, or other barrier where noise levels are above 80 dBA at sensitive receptor locations. Heights and specifications of noise barriers will be designed to reduce construction noise to below 80 dBA (FTA 2006). • Construction traffic and helicopter flight shall be routed away from residences and schools. • Unnecessary construction vehicle use and idling time shall be minimized. If a vehicle is not required for use immediately or continuously for construction activities, its engine shall be shut off.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction
Mitigation Measure 3.13-1a: Construction Noise Reduction Plan. SCE and/or its contractors shall develop a Construction Noise Reduction Plan for the residence near Borax Bill Park. The Plan shall be submitted to the CPUC for review and approval prior to the commencement of construction activities. The Plan shall include, but not be limited to, the following measures for construction activities: • Provide the residence with a "hotline" telephone number, which shall be attended during active construction working hours in order to register complaints. All complaints shall be logged noting date, time, complainants' name, nature of complaint, and any corrective action taken. • Use construction noise barriers such as temporary sound walls, acoustic blankets, or other barriers to shield construction noise at the residence from activities involving heavy equipment. Heights and specifications of noise barriers shall be designed to ensure that the line of sight is broken between the active construction activities and the residence. • If nighttime construction activities are proposed to occur within 400 feet of the residence, SCE shall offer to provide the residents with temporary relocation for the duration of such activities.	SCE and its contractors to implement measure as defined	SCE to provide construction noise reduction plan to CPUC prior to construction. SCE to make available to CPUC all logged complaints and corrective actions taken. CPUC mitigation monitor to confirm compliance	Prior to and during construction
Mitigation Measure 3.13-1b: Construction Helicopter Flight Restrictions. SCE shall ensure that Project helicopter construction activities do not occur within 3,600 feet of residences in California City or at any location during nighttime hours (i.e., 7:00 a.m. to 7:00 p.m.).	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During construction
Recreational Resources			
APM REC-1: When temporary closures to recreational areas are necessary for construction activities, SCE will coordinate those closures with recreational facility owners.	SCE and its contractors to implement measure as defined	SCE to provide communications to CPUC as applicable. CPUC to confirm compliance	Prior to and during construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
Mitigation Measure 3.1-2c: Treat Surfaces with Appropriate Colors, Finishes, and Textures (see Aesthetics, above, for the text of this mitigation measure)	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during construction
Transportation			
Mitigation Measure 3.17-2a: Traffic Management Plan. SCE shall prepare and implement a Traffic Management Plan in consultation with Caltrans and the applicable local government(s)/entities, including agencies that operate alternative modes of transportation (e.g., Kern Transit, Burlington Northern Santa Fe). The Traffic Management Plan and documentation of agency consultation shall be submitted to the CPUC for review and approval at least 30 days prior to the commencement of construction activities. At a minimum, the plan shall: • Include a discussion of work hours, haul routes, and work area delineation within public road rights-of-way; • Require construction work to utilize traffic control and flagging when construction vehicles are present; • Identify and provide all access and parking restrictions and signage requirements; • Require workers to park personal vehicles at the approved staging area(s) and take only necessary project vehicles to the work sites; • Lay out plans for notifications and a process for communication with adjacent residents and landowners prior to the start of construction. Advance public notification shall include posting of notices and appropriate signage of construction activities. The written notification shall include the construction schedule, the exact location and duration of activities within each street (i.e., which road/lanes and access point/driveways would be blocked on which days and for how long), and a toll-free telephone number for receiving questions or complaints; • Describe coordination of all construction activities with emergency service providers in the area prior to construction to ensure that construction activities and associated lane closures would not substantially affect emergency response vehicles. Emergency services providers shall be notified of the timing, location, and duration of construction activities. The plan shall include verification of its consultation with emergency service providers to the CPUC. • Include the requirement that all roadways shall remain passable to emergency service vehicles at all times. • Identify all roadway locations where special construction techniques (e.g., night construction) would be used to minimize impacts to traffic flow. • Identify alternate or detour paths that would minimize interference with walking or bicycling accessibility.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	At least 30 days prior to construction and during construction
Tribal Cultural Resources			
APM TCR-1: Tribal Monitoring. An archaeological monitor, and tribal monitor that is culturally affiliated with the Project area, may be present for ground-disturbing activities within or directly adjacent to identified tribal cultural resources. The archaeological and tribal monitors will consult the Cultural Resource Management Plan (CRMP; APM CUL-1) to determine when to increase or decrease the monitoring effort should the monitoring results indicate a change is warranted. Monitoring reports shall be prepared and submitted to the CPUC on a monthly basis.	SCE and its contractors to implement measure as defined	SCE to provide monthly monitoring reports to CPUC. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	During ground disturbing project construction activities

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
APM TCR-2: Tribal Engagement Plan. A tribal engagement plan shall be prepared, which will detail how Native American tribes will be engaged and informed throughout the Proposed Project. The tribal engagement plan will be included in the CRMP (APM CUL-1).	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project activities
Mitigation Measure 3.18-1: Public Interpretation Land Acknowledgement. SCE shall, in coordination with Consulting Native American tribes, design and implement a public interpretation land acknowledging that this project is built on indigenous land. The public interpretive land acknowledgement program may include a land acknowledgement, information on local Native Americans, or artwork, preferably by local Native American artists, to be included as part of public outreach and education about the project, such as project notifications sent to the public or project websites. Prior to completion of project construction, SCE shall prepare and implement land acknowledgement interpretation plan in consultation with affiliated local Native American representatives to guide the acknowledgment program. The plan shall be reviewed by CPUC and shall identify, as appropriate, the proposed location or distribution for the acknowledgement program to include project outreach materials such as project webpages or other online project education or notification outreach and the proposed content of the land acknowledgement public interpretation program. The detailed content, media, and other characteristics of such an interpretive program shall be coordinated by the Consulting Native American tribes and the CPUC, and be approved by CPUC. The final components of the public interpretation program shall be distributed following the agreed upon schedule in the public interpretation land acknowledgement plan. Tribal representatives shall be compensated for their work as identified in the agreed-upon scope of work for the plan.	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project activities
Utilities			
BMP SE-4, *Check Dam*; BMP SE-6, *Gravel Bag Berm*; BMP SE-7, *Street Sweeping and Vacuuming*; BMP SE-10, *Storm Drain Inlet Protection*; BMP TC-1, *Stabilized Construction*; and BMP TC-2, *Stabilized Construction Roadway* (as described in Geology/Hydrology and Water Quality)	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	Prior to and during all project construction activities
Mitigation Measure 3.19-5: Construction Solid Waste Management Plan. SCE shall comply with the minimum construction and demolition debris diversion requirements found within the local waste diversion ordinances in effect for the City of California City. In order to document and track such diversions, the applicant shall provide the following to the CPUC: • Prior to construction, SCE will submit to CPUC a properly completed initial Waste Management Plan, on a form as prescribed by the City. The Plan will demonstrate how SCE will satisfy the diversion requirement by diverting specific materials (such as concrete, scrap metals or other salvageable materials) from disposal. • During construction activities, SCE or its authorized agent will evaluate and monitor the Project site to gauge the percentage of materials recycled, salvaged, and disposed from the project. The required diversion of a minimum of the required percentages of the demolition and construction debris will be measured separately with respect to the demolition segment and the construction segment of a project where both demolition and construction are involved.	SCE and its contractors to implement measure as defined	SCE to provide construction solid waste management plan to CPUC prior to construction. CPUC mitigation monitor to inspect compliance	During construction

Applicant Proposed Measures (APMs), Best Management Practices (BMPs), and Mitigation Measures (MMs) Identified in the EIR	Implementing Actions	Monitoring/ Reporting Requirements	Timing
Wildfire			
Mitigation Measure 3.10-1a: Erosion Control Plan (see Hydrology and Water Quality for the text of this mitigation measure)	SCE and its contractors to implement measure as defined	SCE to provide draft and final grading plans and erosion control plans to CPUC prior to construction. SCE to provide CPUC with evidence of NPDES discharge permit prior to initiating soil disturbing (construction) activities. SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	At least 60 days prior to the start of construction and during all phases of the Project
Mitigation Measure 3.17-2a: Traffic Management Plan (see Transportation for the text of this mitigation measure)	SCE and its contractors to implement measure as defined	SCE Mitigation Monitor and CPUC Third-Party Compliance Monitor to inspect and report out on compliance.	At least 30 days prior to construction and during construction

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